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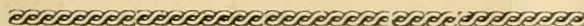
* AMERICAN *

—————* FLORIST.

A WEEKLY JOURNAL FOR THE TRADE.

— VOLUME XL. —

January 25 to July 19, 1913.



CHICAGO:
AMERICAN FLORIST COMPANY
1913.

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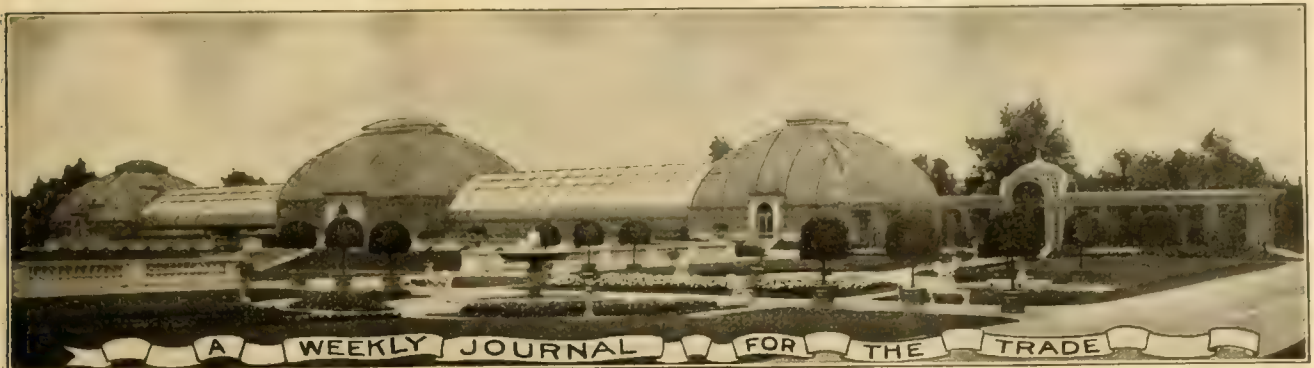
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THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XL

CHICAGO AND NEW YORK, JANUARY 25, 1913.

No. 1286

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Amflo, Chicago.

Subscription, United States and Mexico, \$1.00 a year; Canada, \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from the trade. Volumes half yearly from August 3, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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Third National Flower Show, New York, April 5-12, 1913. JOHN YOUNG, Secretary. 54 West Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at Chicago, November, 1913. CHARLES H. TOTTY, Madison, N. J., President; C. W. JOHNSON, Morgan Park, Ill., Secretary.

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SUGGESTIONS FOR PLANT GROWERS.

Sweet Peas.

A bed or bench of sweet peas sown at this time will produce a nice crop of flowers in spring when the winter blooming plants are nearly through flowering and the blooms beginning to grow small and before any outside can be had. The newer Spencers make splendid varieties to plant at this time, and while they will not bloom as early as the winter blooming varieties, yet will flower before the warm summer weather, and the beautifully formed flowers make a welcome change. Select a bench with plenty of head room, for these easily grow to a height of six or eight feet under favorable conditions. The seed can be sown six inches apart in rows, with about three feet between rows, and lightly covered. It is just as well to sow two or three seeds together and when they begin to grow thin out to one plant. The beds must be watered sparingly until the plants are large enough to twine on the supports, for they damp off easily even when five or six inches high if overwatered. As soon as the tendrils on the vines appear provide some support for them to twine upon and keep the plants growing erect throughout their culture or crooked stems and worthless flowers will be the result. A cool house is far better for these plants than one having a warm temperature. Aphis are often troublesome in growing sweet peas and a spray is far better with these plants than fumigation.

Chrysanthemum Stock.

This is the time to look over the chrysanthemum stock to see how the cuttings are breaking. There may be some varieties that are not throwing as many cuttings as they should or some that are not in good health and there are yet some growers that have stock plants for sale, so where from either cause it looks as if the supply might not be sufficient, new stock should be purchased at once. Where the stock plants are in good health but there are not enough to furnish the requisite number of cuttings, the early cuttings may be taken and rooted and

these grown in flats until it is time to propagate the plants for blooming, and cuttings made from these. There are also some varieties of which good cuttings can be procured at this time, but after the first growths are removed, do not break satisfactorily. These should surely be taken now and grown on in flats, notably as one of this class is Miss Virginia Poehlmann, and some varieties, such as President Roosevelt, are short-jointed and slow in their growth, so early cuttings are preferred. It is a good time now to look the stock over and be sure of good plants and enough of them for another season.

Stocks.

The demand for flowers at Decoration day is in many cases for bunches or sprays to lay upon the graves of the departed relatives and friends, and as much show as can be made is often the object, therefore, the grower must have a quantity of what are called the cheaper flowers, and stocks are one of the best at this time, for they are large and prominent, make up well in bouquets or sprays, and are quickly and easily grown. The seed should be sown by February 1 to be sure to have them in flower by the end of May. The seed germinates quickly and as soon as large enough should be potted. Many grow them in flats but to have them early pot culture is better, for they do not receive such a severe shock when transplanted in the benches. The planting in the benches should be done in the month of March and the plants can be grown in two ways, to the single spike which will produce a much larger, handsome bloom or to eight or ten lateral spikes. The former method allows of planting from three to four inches apart, while in the latter the plants should be set eight to nine inches each way. Growing the latter way, that is to eight or ten spikes, is the culture most often practiced, and in order to cause the plant to branch, as soon as the terminal flower forms it is rubbed out, and the laterals will grow at once. To have these laterals in bloom for Decoration day the terminal bud should

show by the last of April, which will allow about four weeks for the growth of the laterals and the finishing of the bloom. Constant fumigation will be necessary to keep the plants clean of aphids, which very rapidly accumulate on the succulent growth unless kept in check.

Hydrangeas.

The plants of hydrangeas that are to be in bloom for Easter should be started at once, for it is much better to grow them along slowly than to wait and bring them in later and force them much harder. This will give the plants more natural conditions and they will finish with shorter-jointed growths, being not nearly so tall, and well furnished with large heavy foliage completely covering the stems. The plants started at this time should be first placed in a greenhouse having a night temperature of 40 to 45 degrees and if the buds and stems look very dry, frequent syringings of the branches will quickly make the buds fill up. After the first leaves are fully formed the plants can be moved in a warmer house and they should come along nicely for Easter—a house with carnation temperature should bring them in bloom by that time, but if the buds are not well set early in March a still warmer temperature will be required. If grown in a warm temperature keep a sharp lookout for red spiders, which gather on the blooms and quickly ruin them.

Hybrid Roses.

Well grown plants of Hybrid Perpetual roses are always good property at Easter and they are very easily brought into bloom when the date of that festival is in April. Pot grown stock is surer of the best results, but dormant stock of many varieties will produce nice plants if properly handled. The plants should be cut back to two eyes on each growth and started in a cool house, one with a night temperature of 40 to 45 degrees being preferred, from the first to the fifteenth of January. Frequent syringings will swell the wood and cause the breaks to open evenly. When the buds form the plants should be watered with liquid manure at least once a week. They will probably not have to be carried to a warmer house, but if it is found they are not going to be in bloom in time a little warmer temperature will hurry them along. There are a few varieties that make fine pot plants, those most generally known being *Magna Charta*, *Mme. Gabriel Luizet* and *Frau Karl Druschki*.

Asparagus Sprengeri.

ED. AMERICAN FLORIST:

Kindly inform me if it is injurious to the roots of *sprengeri* to pull it, or should it be cut?

Ontario.

F. C.

Sprays of *sprengeri* should be cut, not pulled. By pulling, especially when the plants are young, they are apt to be disturbed and when they are big and strong the labor of pulling would be greater, besides leaving an unsightly stump. C.

LEWISTON, IDAHO.—Thirty students registered at the opening of the 1913 short course of the Lewiston-Clarkston Horticultural School.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Mrs. Wilson's Table.

The accompanying illustration shows the table exhibited by Mrs. Ella Grant Wilson, Cleveland, at the Ohio Horticultural Society's show November 14-16. This table took the second prize in an entry list of seven. The roses were Killarneys, a high vase of them being in the center. Clustered at the base of the vase were three beautiful "hats" of pink chip straw. These were trimmed with clusters of the roses and "feathers" made of tulle and roses with a judicious use of wide satin Killarney ribbon. The candle shades were about the line of vision and were a perfect match in color. The corsage bouquets were of the same with boutonnières to match. The guest cards were a popular feature.

Girdle Shower Corsage Bouquet.

Of all the pretty suggestions recently seen in the way of corsage bouquets the girdle shower is among the most artistic and picturesque, especially for the debutante. It lends to so many ways of arrangement and should be deftly made.

A violet girdle shower made to be worn at a reception recently was made in the following manner: A narrow velvet ribbon, the shade of the lightest tone in the violets was used. On this the violets were sewed as if in a circle. At the left side about fifteen violets were bunched and from this the shower was suspended—tiny strands of the very narrow baby velvet ribbons were used to tie the tiny bunches of violets. An occasional small green leaf of the violets were used to break the monotony of color.

This girdle arrangement was also put into use at a wedding where the bridesmaids all wore the girdle shower made of lily of the valley and pink sweet peas, the girdle part being of sweet peas and the shower of a combination of the two. Pink ribbons were

used. At a New Year's reception the hostess wore a shower girdle of red berries and made a most striking effect. The same arrangement as above described was used and a small bunch of the berries finished the shower at the left side.

This will also look well when used with tiny pink rosebuds and maiden hair for the bridesmaids and flower girls. The girdle shower has been very popular during the holidays and bids fair to become even more so as the season advances. A. E. K.

Memorial Vase.

The basket used for this was about three feet tall and was made the regulation way of the tall affairs of the umbrella-stand variety. As the flowers to be placed in were intended to last for several days they had to be arranged in wet moss and receptacles placed in the basket. Very choice poinsettias were used and made the taller back effect of the arrangement. These tapered in different lengths toward the center, where they were, down to the edge of the basket. In the center, attached to a round branch, an artistic small cross made of red berries was placed. Boxwood was used for greens and a garland made of boxwood interspersed with red berries was draped around the base of the vase. On either side of the vase, which had wicker handles, an immense red satin bow was arranged and fell to the platform on which it was standing.

Another memorial vase was made entirely of American Beauties and asparagus vines. The asparagus vines were interlaced with garlands of rose foliage. In front of the lower half of vase a sort of medallion effect was arranged of lily of the valley and catleya orchids. Six large roses in the center stood up above the others and had an immense bow of American Beauty shade of ribbon attached to them. The ends of this were taken in through the foliage and tied in another bow at the left. A. E. K.



TABLE BY MRS. ELLA GRANT WILSON, CLEVELAND, OHIO.

Winner of Second Prize at Ohio Horticultural Society's Show.

THE CRITIC.

The Rationale of Propagating.

Growing plants and propagating them can never be reduced to an abstract science. Some classes of work can be so standardized and worked out along special lines that a man need have little more brains than a machine to carry them out. But when we come to deal with living plants it is different. When a doctor diagnoses a case his patient can tell him "where he feels the pain," and usually does so free enough. But a doctor of plants, though dealing with a living object, has to form his own conclusions by observation alone as to what is the matter. When healthy he must also be able to keep them healthy. In no branch of the business is this more necessary than in propagating. A noted florist of the old school in England said that "every portion of a live plant contained all the rudiments essential to the formation of a new one." This may be perfectly true, but it does not follow because the rudimentary parts are there that conditions can be so arranged as to insure the metamorphosis into a living, rooting plant of, say, a rose or carnation leaf or stem.

Plant growers know well that certain genera, gloxinias, begonias and others, will root perfectly from a leaf or even a portion of a leaf, but it does not follow that everything else will do so, even if the rudimentary parts are there. This being so, it is up to the propagator to find out just what is the best method of increase for any species which he is called upon to handle. There are many of our hard wooded shrubs that root finely outdoors from cuttings made of ripened wood. Others again need heat, and still another lot cannot be propagated this way at all, and the grower has to catch his wood just in the right stage between the green, undeveloped wood and the ripened, just in fact when the cambium is sufficiently in evidence to granulate or callus. But as deciduous trees are carrying the first leaves at this stage, it becomes necessary to place the cuttings in such an atmosphere that the foliage will not wilt, hence the propagating frame or light.

As a general rule the worst difficulty in propagating is to give sufficient heat and moisture to cause the emission of roots without causing active top growth, and this is the reason why a brisk bottom heat and cool tops are best for the purpose. Some go on the theory that it is impossible to keep cuttings too moist, but this is an error. It is true there are some plants that will root even in water without the aid of soil or sand, but take it as a rule and roots are not caused by water—they are put forth by the plant to look for water. But in order that the cutting has this power some atmosphere as well as soil and water is needed, for without it the leaves and stems wilt, the circulation stops and it is all over with that individual specimen. A safe rule in propagating is never to allow the leaves or stems to wilt or shrivel or to give more moisture than is necessary to prevent this. As to heat, there should always be a balance in favor of the soil end and the wood should be of such consistency that the cambium layers are well de-



TRIBUTE TO WHITE LAW REID, FROM CAPTAIN AND OFFICERS OF H. M. S. "NATAL."

Design by Geo. H. Cooke, Washington, D. C.

veloped, but the heart wood not hardened. These are only a few words on a subject worth much more and we would like to see more about it from those able to speak from experience.

Sins of Omission.

Never a holiday passes but that we see or hear of something that we could have done to further business, some little plant or flower that our neighbor had and we had not, or some other little omission that means the loss of dollars and cents. Why not make a note of some of these and file them away to come up at the proper time for attention? No business man with large interests would think of trusting to his memory for important or unimportant details that have to be attended to several months hence. Four or five months from now the grower will be busy with plants or flowers needed just at that time, and he may not think of the little things that have been impressed upon his mind in the recent holiday rush. "When found make a note on" is as good advice now as when the fictitious old sea captain gave it so truly. Anything written is always more or less indelibly stamped on the memory, and

if the written notes are filed to come up at a certain date then there is a double assurance of attention.

In line with this thought is the need of keeping up your vigorous stock of decorative plants. Every retailer knows the difficulty of obtaining little, showy, neat specimens of anything outside of ferns and palms, yet there is a wondrous variety that may be given and would always secure a good market. Frequently at Christmas there are plenty of large pans and pots of poinsettias, finely grown and with a big price. But a customer comes along and wants a few small dishes or a low table centerpiece of something bright and in keeping with the spirit of Christmas. Little plants of poinsettia rooted late in the season would be just the thing, but they were not rooted, consequently they are not to be had. Again at Easter there are plenty of big Easter lilies and Rambler roses, but how useful would a few dozen small Lady Gay or Dorothy Perkins in 3-inch pots be for the filling in, or a few bits of choice foliage begonias, coleus, fittonia or *Dracena Sanderiana* or *Godseffiana*? The supply men do not forget these things. They have small, natty productions and novelties

in endless variety to suit all tastes, and it is quite time that the grower also got busy and put some variety into his stock. It is not so much in the big cities where this paucity of little things that tell is seen—it is among the large and ever increasing number of small florists and growers in our less important towns, and the first one in any community to see the advantage of catering to this class of business will make money and a home for himself that will quickly set him ahead of his competitors.

CRITIC.

CHRYSANTHEMUMS

Commercial Quality of Chrysanthemums.

ED. AMERICAN FLORIST:

Being desirous to purchase some of the newer chrysanthemums, I would be pleased to learn through your valuable paper regarding the commercial qualities of Wm. Turner, Naomah and Harvard. Kindly state their weak as well as strong points and oblige.

A. P.

We will endeavor to give A. P. the "black and white" of the three varieties mentioned, without permitting the white to cover up the black. A perfect bloom of Wm. Turner is really magnificent. In fact, we do not think there is another white its equal for exhibition use. Its color is very pure, of the largest size, fine incurved, stem and foliage excellent, free and easy to propagate, of dwarf habit and not difficult to grow. If it would produce uniformly perfect flowers it would be an excellent commercial. Unfortunately it has the habit of making one-sided blooms. We grew 100 plants in 8-inch pots the past season for exhibition, giving them every attention, with the result that over 90 per cent were more or less malformed. There may be localities where it will come uniformly good. It may do so on the Pacific coast or it may come perfect grown with several flowers to the plant, as reports from England state, but such a course would greatly reduce the size. However, be this as it may, it is common talk that the percentage of perfect blooms is small.

Naomah was not sent out as a commercial variety, nor do we recommend it for this purpose to the average grower. If not planted early and grown strong, with ample room, full sunlight and without food overly nitrogenous, its stems are liable to be weak. Those who grow it properly appreciate it very much. Its foliage is beautiful, of perfect incurved form, not quite so white or large, nor as free of propagation, as Turner, but it will give 90 per cent or more of perfectly formed blooms whether grown ordinarily or with special care.

Harvard is a new red (or perhaps garnet is more correct), 6½ inches or less, according to conditions under which it is grown. It is reflexed, showing the upper surface, double from any bud, maturing the third week of November, fine stem and foliage, very abundant with cuttings and roots freely, a condition unusual among reds. All the characteristics given are what we consider ideal for the commercial grower.

Since writing the above we have had a similar inquiry regarding Chrysolora and Ramapo, and have taken

the liberty to append our reply, thinking it may be of interest to others. Chrysolora is a medium shade of yellow, fine incurved form, of large size, a very heavy stem with ample foliage, maturing October 10, and easy of propagation. We might say the best commercial yellow for mid-October, which we really believe it is, but such presumptions carry very little weight, and are often humiliating if the grower fails to sustain the endorsements given.

Ramapo is a little darker yellow than Chrysolora, being about the shade of Col. D. Appleton, not as closely incurved as Chrysolora but of a decided globular form. In other respects is good, large in size, free grower, easy of propagation and good stem and foliage. With us it matures between Chrysolora and Appleton and will be an acquisition to fill this gap, but we question its ability to withstand rough handling with the indifference shown by Chrysolora. These two varieties do not conflict, owing to the difference in their flowering season. In fact, both are fine yellows for October.

ELMER D. SMITH.

Propagating Houses and Benches.

As most of the florists doing their own propagating defer this work until after March 1, it is rather early for much thought to be given this subject except by those interested in early delivery of plants and cuttings. Some means of shading the cuttings will have to be provided as the season advances, and as we fasten such material to the underside of the rafters we will find it more convenient to do this while the benches are empty. Star fiber wrapping paper in rolls 30 inches wide that has been treated with linseed oil is the most satisfactory we have used.

This system has some advantages over the old way of covering the cuttings with newspapers. In the first place it saves the labor of covering the cuttings every time the sun appears and the worry lest some one neglect this important detail. There is also less danger from cutting bench fungus, in as much as the air has free circulation to all parts of the house and comes in contact with the cutting and sand, thereby evaporating the surplus moisture, keeping both in the best condition.



EASTER LILY.

Oiled paper is also useful for protecting stock in frames or to keep the cold out of the houses that are getting open. If anyone is interested in this subject, we will be pleased to supply instructions in detail for the construction of an inexpensive home-made machine for applying the oil, with illustration, inquiry to be made to THE AMERICAN FLORIST to this effect.

All benches to be used for cuttings should be thoroughly cleaned and given a coat of whitewash before they are filled with sand. It is advisable to have the bottom of cutting benches so arranged as to afford ample drainage, to prevent stagnation, which is very apt to occur where there are impurities in the sand or water.

The cracks between the boards may be calked with either moss or excelsior to prevent the sand from washing through, or gravel or coal ashes may be placed at the bottom for this purpose. The quality of sand varies greatly in different localities, but this is not important, provided it is fairly clean. We prefer a sand that is moderately coarse as it keeps sweet longer. Benches 4 inches deep should be filled level and, after being thoroughly watered, tamped down until firm, when they will be ready to receive the cuttings.

ELMER D. SMITH.

Easter Plants.

Paper read January 6, 1913, by Julius Luck, before the Montreal Gardeners and Florists' Club.

After Christmas and New Year's commercial greenhouses are fairly empty, and after a business like the one this season they are generally a deplorable sight. Naturally the first thought in restocking them turns to Easter plants. Lilies always will take first place. To have them in on time they should be potted as soon as received. Of all the different varieties *Lilium giganteum* (the black stemmed variety) appears to be the best for Easter. *Lilium Harrisii* has been improved some of late years, but it is a long way from satisfactory yet. *Lilium formosum* is a good one to grow but pays poorly as it produces few flowers. *Lilium multiflorum* responds to about the same treatment as *giganteum*. It arrives about November 1.

I prefer to pot them in six-inch pots at once, for they do not like any disturbance, much less a check during their growth at any time, which they most likely would receive in transplanting. For an early Easter like we shall have this year, both take considerable forcing, but this should not be resorted to until the buds appear, as then they can be sorted and heat applied according to their needs. If necessary 65° to 70° may be had at night, and all the way up to 80° in the day time, with full sun. But do not attempt 80° on dull days. The ideal lily should have from six to ten buds and be about two and a half feet high.

Roses in pots have come to the fore of late years and easily take second place. The variety suitable for forcing is large, but Orleans is the best of the Baby ramblers, all of which are worth while to the grower. Baby Dorothy, Mrs. Cutbush, Tausendschoen, Crimson Rambler, Dorothy Perkins all are good. Of the hybrid perpetual class Magna Charta, Mrs. John Lang and Frau Karl Druschki are the best. In forcing roses they should be started in a cool house until rooted and then gradually



CRIMSON RAMBLER ROSE. HOOP-TRAINED.

brought into higher temperature, but at no time higher than 60° at night with a rise of 10° during the day time.

Hydrangeas, well budded, pot grown plants, force readily for Easter. If started immediately after New Year's there should be no need of heavy forcing to bring them in on time. Their splendid keeping qualities after being in full bloom makes them a favorite house plant. There has been some trouble caused by the foliage turning yellow, but this can be overcome by careful watering. The general impression is that hydrangeas need an abund-

ance of water, as they do, but only after they have a good head of leaves. To my mind the "yellows" are caused by over watering in the early stages before the leaves appear. The above refers to the old Hydrangeas Otaksa only. Of the new varieties I cannot say much. I am growing some for the first year. Avalanche and La Lorraine are said to be the best.

Spirea Japonica Gladstone and Queen Alexandra are two of the best of the spireas. These plants will respond better to forcing if they are subjected to a slight freezing. Start

them in a warm place at once. Like lily of the valley they can be grown cool afterwards if needed. They require plenty of water, but don't place in saucers if you want clean foliage and give them plenty of room to grow well shaped plants.

Azalea Indica in a large number of varieties can be held for Easter. Mme. Van der Cruyssen is one of the best. Azalea Mollis and Pontica rhododendrons are all suitable for Easter. All they require is a proper timing—that is, to have them in bloom at the right time. It is impossible in a paper like this to give the length of time it takes, as a good deal depends upon the condition of the plants and of the date of Easter, but as a rule these plants generally have to be held back and only need a few weeks in the greenhouse to finish them up.

Lilacs are very showy Easter plants. Charles X, pink, and Marie Legray, white, are the best singles. Mme. Lemoine is a good double white. Lilacs take about six weeks, according to condition, to bring into flower. They like a shady place and an ordinary greenhouse temperature to bring out their showy foliage, which is so necessary to a pot plant. Primula obconica and sinensis can easily be grown for Easter but there is only a limited demand for these plants.

There are a number of hardwooded plants which force very well for Easter. Deutzia gracilis, single, and Lemoine, double, staphaelia, wisteria, prunus, thorns in variety and Spirea Van Houttei. Some of our perennials are also adaptable, such as the tree peony, Dialispectabilis, and some of the campanulas.

Dutch bulbs all find a ready sale and are very easy to bring in at that time if kept in a root house or any other place free from frost. From 2 to 3 weeks is sufficient time to bring most of these in. A dozen pips of lily of the valley planted in a 5-inch pot will make a nice pot, and at this time should come along in a warm house in about 25 days. There always is a certain demand for palms and ferns, especially of the latter for the filling of baskets, but these cannot be classed as Easter plants.

INDIANAPOLIS, IND.—Plans for a new greenhouse in Garfield park, to cost \$25,000, were discussed at a recent meeting of the board of park commissioners.

ROCHESTER, N. Y.—The following officers were elected at the annual meeting of the Rochester Florists' Association: John Dunbar, president; George Arnold, vice-president; H. B. Stringer, secretary; W. L. Keller, treasurer. W. H. Dildine, William Price and A. H. Salter were elected directors.

SYRACUSE, N. Y.—Wm. E. Day and Robert C. Bard will represent the Syracuse Florists' Club at the mid-winter meeting of the New York State Federation of Floral Clubs at Cornell University, Ithaca, N. Y., in February. The Syracuse Rose Society will send Congressman John R. Clancy and Geo. E. Thorpe.

INDIANAPOLIS, IND.—The Indiana State Florists' Association elected the following officers at the meeting held here January 14: W. W. Coles, Kokomo, president; John Hartje, Indianapolis, first vice-president; J. V. Vesey, Fort Wayne, second vice-president; O. E. Steinkamp, Indianapolis, secretary; H. L. Wiegand, Indianapolis, treasurer.

British Gardeners' Examination.

The first examination for professional gardeners was held by the British Gardeners' Association Wednesday, April 26, 1911. Twenty-nine candidates entered for the examination, according to the association's journal, and twenty-eight sat in as many different centers in England and Wales. There was one candidate in Scotland but none in Ireland. Three hours were allowed for the examination, and candidates were requested to answer eight questions only from amongst the following twelve:

1.—What kinds of fruit trees would you recommend for walls with a south, north, east and west aspect? Name three varieties in each kind.

2.—What is the object of pruning fruit trees and state which shoots are most likely to bear fruit on the apple, the pear, the plum, the sweet cherry and the black currant.

3.—Describe propagation of the vine and its cultural treatment for the subsequent three years.

4.—How would you grow potatoes in the open air to secure the heaviest crops? Name two good early, two midseason, and two late or maincrop varieties.

5.—Describe the cultivation of twelve kinds of vegetables to be grown from seed. Six kinds to be fit for use in June and six in December.

6.—How and when would you propagate hippeastrums (amaryllis), dracenas, ficus elastica, gooseberries, carnations, apples, roses, seakale and statice latifolia?

7.—Give a list of hardy herbaceous perennials (excluding bulbous and tuberous plants) having (1) white, (2) blue, (3) red and (4) yellow flowers, three distinct kinds of each most useful for cutting.

8.—What dwarf flowering and dot plants would you use to fill a circular bed 15 feet in diameter for summer decoration, and show how you would arrange them in a diagram. Not less than 12 distinct kinds to be used.

9.—What flowering plants would you employ to decorate a greenhouse for a year? Give a list of plants for the purpose and state the flowering period of each.

10.—What are the principal plant foods obtained from the soil and air, and how are they best and most readily secured? Is air essential for the roots of plants, and if so, why? What gases compose the air and of what use are they to plants?

11.—What situation would you select for a kitchen garden of two acres? How would you proceed to lay it out? What fruit trees would you plant on walls? Give aspect in each case.

12.—Mention the insect pests most injurious to the apple, the pear, the black currant, the gooseberry, the vine, the cucumber, the rose, the cabbage, the celery, the onion, and the euonymus, and suggest remedies for the same. What causes "club root" in cabbage crops, and what remedy would you suggest for it?

The whole twelve questions were well patronized. Question 4 seemed to be most popular, as 26 out of 28 candidates answered it. The least popular question was No. 8, which was attempted by only eight candidates. The answers to question 7 were on the whole unsatisfactory.

Drawings and diagrams were conspicuous by their absence. Two or three candidates attempted a diagram to illustrate question 8, but they were

not of such a high order as one would like.

The candidates' work securing the highest marks was in every way superior to that having the lower numbers. The writing in most cases was of a very fair character, the composition was good in some cases, but comparatively poor in others. The punctuation was not so good as it might have been and the singulars and plurals were frequently confused. While the spelling of English was fairly good in most cases, the names of plants were in a number of cases misspelled.

Three hundred marks were allowed as a maximum. Candidates obtaining 200 marks and over were placed in the "First Class," those obtaining 150 to 200 marks in the "Second Class," and those obtaining 100 to 150 marks in the "Third Class."

H. Chandler, having obtained the highest number of marks in the "First Class," was awarded the gold medal of the British Gardeners' Association.

Cincinnati.

RAIN LESSENS TRADE.

Last week's market was not any too strong. Some flowers sold nicely while the small business in other lines kept the week's trade down to only an ordinary one. The warm rainy weather probably had a lot to do with keeping down the demand, for the consumer simply will not come out in rainy weather. He will order only what he needs, or rather only what he thinks he needs, by telephone. In this way the stores lose much of the transient business. The supply of roses is about the same as at last writing. Where some consignors have gone off crop, others came in stronger and thus kept up an even supply. The demand for pink is much larger than that for white roses. American Beauties are adequate for the demands made upon them. Very many carnations are being sold, but the demand only at times catches up with the supply. The balance of the time the latter is too strong. As a result of this condition, only low prices rule. The choice sweet peas sell nicely while the culls and seconds do not find a market except at the lowest prices. Lilium giganteum and callas are proving very good property. Single violets sell well and easily outstrip the doubles as far as the demand is concerned. The Paper White market is very poor. Other offerings include valley, jonquils, daffodils and tulips.

NOTES.

The high water of the past fortnight has caused very heavy damage to many gardeners. It completely flooded their hotbeds and in many cases either carried away or destroyed their frames and sash. Fortunately, the two local florists who were in the way of the rising river suffered little damage, thanks to the warm weather.

L. A. Fennel, the orchid man of Cynthia, Ky., while in the city on Monday reported to C. E. Critchell that he would have a heavy cut of orchids for him in the near future.

J. A. Peterson & Sons have fine lots of cyclamen and primulas. The latter have unusually large flowers and the selection of colors is choice.

E. G. Gillett spent Thursday and Friday of last week in Springfield, where he went to attend the funeral of an uncle.

Fred Backmeier was confined to his home for several days last week with a very severe cold.

The Hill-Heller store has been having some very attractive window displays.

Visitors: Frank Farney, representing the M. Rice Co., Philadelphia, Pa.;

Sam Seligman, representing Wertheimer Bros., New York; Ellis Woodworth of the Sefton Mfg. Co., Chicago; Chas. Steidle, Richmond, Ind.; and A. Miller of Henderson & Co., Chicago. H.

Indiana Florists' Association.

The annual meeting of the Indiana Florists' Association was held January 15, at Indianapolis, and was one of the best attended meetings for several seasons. Over forty members were present. The younger generation was especially conspicuous. The exhibits were numerous and of very fine quality. The judges, W. J. Vesey, Jr., Paul Tauer and W. W. Coles, reported as follows:

Robt. Ellis, Indianapolis; Len Elder, Indianapolis; Robt. Glaubke, Indianapolis; John Hartje, Indianapolis; Herman Junge, Indianapolis; Al Kempke, Indianapolis; Wm. Langstaff, Indianapolis; John Grande, Jr., Indianapolis; Al Schreiber, Indianapolis; Al Marshall, Indianapolis; Charles Pahud, Indianapolis; Albert Pettit, Indianapolis; H. W. Riemann, Indianapolis; A. W. Warren, Indianapolis; Earl Mann, Richmond; Fred Lemon, Richmond; Morris Marer, Indianapolis; M. F. Morris, Bloomington; Warren Huckleberry, North Vernon; Theodore Dorner, North Vernon; B. F. Hensley, Knightstown; H. L. Wiegand, Indianapolis; Paul Tauer, Lebanon; Thomas Woodward, Edinburg; R. A. McKeand, Marion; M. A. Barick, Seymour; H. A. Maxiner, Alexandria; A. F. J. Baur, Indianapolis; W. W. Coles, Kokomo; George R. Gause, Richmond; O. E. Steinkamp, Indianapolis; W. J. Vesey, Jr., Ft. Wayne; J. A. Evans, Richmond; J. A. E. Haugh, Anderson; J. S. Stuart, Anderson; Paul Hoffman, Indianapolis; Lynn Barnaby, Columbus; C. S. Barnaby, Columbus; F. L. Lemeke, Chicago; — Martin, Chicago Carnation Co.

The judges' report was as follows: Stuart & Haugh, Anderson—Merry-Go-Round, white carnation, fair flower; stem and calyx similar to White Enchantress. Winter Cheer, rose pink carnation; excellent color and stem; flowers good size.

The E. G. Hill Co., Richmond—Commodore, red carnation, color and stem very good; flowers appeared to be picked prematurely.

Baur & Steinkamp, Indianapolis—St. Nicholas, color, size and stem excellent. Radiance, color and size extra good. Flowers are held up by an exceedingly good stem. Would say it is good commercially. Also some good vases of Rose Pink Enchantress, Enchantress and Dorothy Gordon were shown by this firm. Shasta, good fringed, white.

Scott Bros., Elmsford, N. Y.—British Triumph, no comment; arrived in poor condition. Lady Northcliffe, pink; color and stem good; flower small. Wm. Eccles, red, flowers arrived in poor condition, although from appearance it must be a good carnation. It has an extra strong stem, good calyx and size.

Hartje & Elder, Indianapolis—The best displayed carnations were staged by this firm, consisting of some exceedingly fine White Enchantress.

Chicago Carnation Co.—Herald, deep red, good stem and color.

F. Dorner & Sons, Lafayette—Seedling 271; a flesh pink of excellent texture; stem, calyx and form ideal; has the appearance of a good commercial variety. Yellow Prince, an exceedingly good yellow carnation; Seedling 31, the best cerise pink that has come under our notice. Seedling 138, Yellow Stone, good color, calyx and stem; a deep flesh color, extra large in size; we consider it the best carnation we have noticed in that color; an exceedingly good exhibition

carnation, 4 inches, strong. 254, an exceedingly good red and an exceptional stem; extra large size, looks like a winner in the red class. 251, a rose pink in color, honorable mention. 111, very good red. 42, a good light pink. A vase of good mixed seedlings was shown by this firm, some of which colors will be heard from later. F. Dorner & Son's seedlings are an advancement in the right direction, and have created comment among all the members present.

W. W. Coles of Kokomo, showed several vases of good commercial carnations.

Traendley & Schenck, New York, showed Salmon Beauty, a beautiful salmon color, but arrived in poor condition. Rose Queen, a beautiful sweet pea, one of the finest pink peas



The Late B. Suzuki.

to be found on the market wherever you go. We certainly give it an exceedingly good recommendation.

Two other vases of peas were shown by A. G. Pittit, Indianapolis, both showing good culture.

Collection of plants were shown by Vaughan's Seed Store, Chicago.

H. J.

Philadelphia Notes.

The growers hereabouts are disappointed with the mid-winter actions of the Mrs. Ward rose which is not producing flowers in paying quantities at this time. The Mrs. Taft is also a little shy just now, but all agree that this is one of the good things in roses and worth while growing in moderate quantities.

Greenhouse builders are satisfied that this city is a good field for them. The Lord & Burnham Co. has had a great year. Dennis Connor is back again with his old love and predicts the best season ever. Hitchings & Co. are also about to open an office in this city.

We are glad to see that S. S. Skidelsky has landed the best pink carnation up to date and that he honors his home city by christening it Philadelphia.

At the Leo Niessen Co.'s busy market they have offered the past week something very choice in sweet peas. American Beauties are also a feature.

Spring flowers, with lilacs leading, are leaders at Berger Bros.' central market. Sweet peas are also a feature.

The M. Rice Co. is working on new Easter stock that they say will be worth any retail merchant's time to see. It will soon be on the market.

There was a great demand for boxwood trees the past fall and the market is entirely cleaned up, there being no stock of any sizes in this city.

Reid's Kianstead establishment is showing extra fine carnations. The Wards, both pink and white, are the best seen here.

K.

OBITUARY.

Francis A. Friedly.

Francis Asbury Friedly of Rocky River, O., died at his home Thursday afternoon, January 16, at the age of 67 years. A blood vessel which burst in his head was the cause of his death. He was busy in the greenhouses in the morning, when he took sick; he became dizzy and was carried to his home, where he became unconscious and died shortly after. He was buried Sunday afternoon in the Rockport cemetery. A large concourse of his many friends with floral tributes were present. He was a member of the Cleveland Florists' Club and well known and liked by all who knew him. He was "one of the boys" in many of their games and pleasures. He was the father of Frank Friedly, who is secretary of the Cleveland Florists' Club and foreman of the J. M. Gasser Co.'s range of greenhouses at Rocky River. The sympathy of the trade is extended to the son and daughter in their bereavement.

C. F. B.

Mrs. E. D. Badgley.

Mrs. E. D. Badgley, mother of W. G. Badgley, of Badgley, Riedel & Meyer, died at her home in Murray Hill, N. J., January 15, aged 67 years. She was the mother of fourteen children, eleven of whom, with her husband E. D. Badgley, a well known florist, survive her. The funeral was held January 18 at the Presbyterian church of New Providence, N. J., Mrs. Badgley having been for many years a member of the Presbyterian denomination. The Badgley family is well known both in this city and the neighboring towns and cities of New Jersey and have the sympathy of a host of friends in this affliction.

A. F. F.

Bunzo Suzuki.

Bunzo Suzuki, well known in America through his connection with the Yokohama Nursery Co., died at Yokohama, Japan, December 13. Mr. Suzuki was born in Yokohama November 27, 1869, and first came to this country in 1891. He was employed at San Francisco about 18 months and then went to the establishment of Henry A. Dreer, Inc., at Riverton, N. J. In 1893 his father attended the World's Fair at Chicago and the junior Mr. Suzuki acted as his guide. For a number of years he made regular trips for the Yokohama Nursery Co. between Japan and this country.

FALLS CREEK, PA.—Goss & Goss, growers of geranium plants, will grow a general line of cut flowers this year. They now have 5,000 carnations and 3,500 chrysanthemum plants.

NEW YORK.—Judge Holt in the United States District Court has granted a discharge from bankruptcy to Joseph Fleischman, formerly president of the Fleischman Floral Co., Broadway and Twenty-fifth street.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 ■
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from those in the trade.

When sending us change of address always send
the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has
accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier
if possible), as we go to press Wednesday.

We do not assume any responsibility for the
opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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RENEW subscriptions promptly so
that no copies of the paper may be
missed.

LILIES will need careful watching
from this time to insure a good Easter
crop, March 23 being the early date
of the feast this year.

THE United States Department of
Agriculture is reported to be not only
furnishing funds to soil and crop clubs
in certain states but is also paying
as high as \$100 per month on account
of salary for soil expert to work with
such organizations. The plan is put
through under some theory of naming
such associations experiment stations.
This looks dangerously like unfair dis-
tribution of government funds.

Personal.

Fritz Bahr and wife, of Chicago,
have arrived at the Golden Gate in
their California trip and report an
enjoyable time.

Inquiry For A. Loemel.

The present whereabouts of A.
Loemel, a florist who has worked in
several cities of the United States, and
for the firm of Gude Bros. Co., 1214 F
street, N. W., Washington, D. C., is
very much desired by that firm. Any-
one knowing his address will confer
a favor by communicating it to them.
GUDE BROS. Co.

Gladiolus Bulletin.

Bulletin number six of the American
Gladiolus Society, containing an ac-
count of the meeting in Chicago, Au-
gust 22, 1912, has been issued. It con-
tains, among other interesting mate-
rial, an account of the election of of-
ficers, the address of President Isaac
S. Hendrickson, the treasurer's and
secretary's reports, financial secre-
tary's report, list of awards, a list of
the members, and some valuable com-
ments on the gladiolus, etc. A copy
may be had of the corresponding sec-
retary, L. Merton Gage, South Natick,
Mass.

French Exports of Artificial Flowers.

French customs statistics do not sepa-
rately state the exports of artificial
flowers from that republic, but include
them under the heading "Artificial
flowers, leaves, and fruit"—the last-
mentioned being made of papier-mache
and forming a more or less important
article of commerce. The total ship-
ments of this class of goods from
France to all countries in 1911 were
valued at \$3,497,700, the United States
taking \$681,300 worth; by far the
greater portion of these exports were
from the Paris consular district, re-
ports Consul General Frank H. Mason.

Publicity.

I have read with interest the re-
port of the meeting of the Philadel-
phia Florists' Club, issue of January
18, page 1502. From the fact that
I have personal acquaintance with
every man with but one exception,
whose views are reported, I may say
that I was pleased to learn their views.
They are all excellent men and de-
serve credit for their outspoken state-
ments. I may be pardoned for mak-
ing a few remarks.

This publicity movement will never
travel very far while the wholesalers
are blaming the retailers and vice
versa, the retailers are blaming the
wholesalers, for all the unfortunate
accidents and incidents that occur in
the business. The truth and the
trouble at the present time is that
the public, meaning a large majority
of all the people, knows quite enough
already about certain phases of the
flower business. Having carefully sur-
veyed the situation, I am prepared to
state that the best form of publicity
is to give the public a square deal.

At Thanksgiving, Christmas and
Easter in nearly every city, attempts
are made to push up prices on all
stock, even when there is more stock
than can possibly be sold. If any
wholesaler or retailer, and I will add,
any grower, thinks that this can go
on from year to year and the pub-
lic be kept in the dark, he is very
much mistaken. With the enormous
increase in the supply of cut flowers
during the past few years, even now,
but few of the "plain people" can af-
ford them, and I know what I am
writing about. If the business is to
continue prosperous, we must have a
new deal. JOHN DAN DELION.

National Association of Gardeners.

The National Association of Garden-
ers has selected the Murray Hill Hotel,
Forty-first street and Park avenue,
New York city, as its headquarters
during the International Flower Show.
The hotel is conveniently situated to
the Grand Central Palace, being only
five short blocks from the hall and
the same distance from Broadway, so
that it is also easy of access to the
city's amusement center.

The management has set a rate of
\$2 per day for a single person and \$3
for two persons in a room, including
privilege of bath. The men's dining
hall will be set aside as the rendez-
vous for members to congregate morn-
ing, noon and night. Breakfast, lunch-
con and dinner will be served in this
hall at a reasonable price. The hotel
management promises to provide every
facility to make the hotel a hospitable
hostelry for the gardeners during their
stay.

Members can communicate direct
with the hotel for reservations of
rooms. Those who intend to attend
the International Flower Show will
do well to reserve their rooms at an
early date, as a big crowd is looked
for and as the National Association
of Gardeners' headquarters will be a
popular place, those that apply late
may find that they cannot be accom-
modated. M. C. EBEL, Sec'y.

Boston Parks.

The thirty-seventh annual report of
the board of park commissioners of
Boston, Mass., for the year ending
January 31, 1912, shows a commend-
able increase in park improvements.
The total amount of money expended
was \$404,974.71. Of this \$49,914.72
was for construction work and \$355,059.99
for maintenance. Trees have been
planted in many places, adding much
to the beauty of the city's public
pleasure grounds. Governor's Island,
the use of which was tendered by the
government to the people for a park,
was improved by new trees, etc. The
surplus oaks in Franklin park were
root pruned and later transplanted.
The trees were well grown specimens,
15 to 20 feet in height. They were
moved several miles. Annual pruning
is commended in the report as a great
benefit to the plantations. The her-
baceous garden of Franklin park and
the shrubberies are noted as fully re-
paying the care expended on them.
The ginkgo, a tree of Japanese or Chi-
nese origin, was to be planted in a
lot of nurse trees for shelter until it
reached a size where it was capable of
caring for itself. European elms, lind-
dens, etc., were also to be used to beau-
tify the city streets and avenues as
well as the parks.

Ladies' Society of American Florists.

Mrs. Frank H. Traendly, president
Ladies' S. A. F., has appointed three
directors to serve two years, as fol-
lows: Mrs. W. N. Rudd, Illinois; Mrs.
C. C. Pollworth, Wisconsin; Mrs. Chas.
H. Totty, New Jersey. Also three
committees to serve at New York city
and Minneapolis as follows: Recep-
tion committee—Miss A. M. O'Mara,
New Jersey, chairman; Miss Matilda
Meinhardt, Missouri; Mrs. J. C.
Vaughan, Illinois; Mrs. James W.
Boone, Maryland; Mrs. Chas. Critchell,
Ohio. Theater committee—Mrs. Chas.
H. Maynard, Michigan, chairman;
Mrs. U. J. Virgin, Louisiana; Mrs. B.
Hammond Tracy, Massachusetts; Mrs.
Walter Sheridan, New York; Mrs.
Julius Roehrs, Jr., New Jersey. Work-
ing committee—Mrs. J. Manda, New
Jersey, chairman; Mrs. E. M. Bullock,
Indiana; Mrs. J. S. Wilson, Iowa;
Mrs. Geo. Cooke, District of Columbia;
Mrs. John Donaldson, New Jersey.

Meetings Next Week.

Baltimore, Md., January 27, 8 p. m.—Gardeners and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.
Cleveland, O., January 27, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Lake Forest, Ill., January 29, 8 p. m.—Horticultural Society of Lake Forest, Council Chamber, City Hall.

Lake Geneva, Wis., February 1, 8 p. m.—Lake Geneva Gardeners and Foremen's Association, Horticultural hall.

Lenox, Mass., February 1, Lenox Horticultural Society.

San Francisco, Calif., February 1.—Pacific Coast Horticultural Society.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted.—By sober man; good grower of cut flowers and plants; very good in carnations; can take charge. Key 771, care American Florist.

Situation Wanted.—By a widely experienced florist; age, twenty-six; single. Kindly state full particulars in first letter. Address, E. P. ADAMS, Poughkeepsie, N. Y.

Situation Wanted.—English man (married), 18 years practical experience in leading English nurseries. Experienced in all branches inside and out, including growing and exhibiting Sweet Peas, Dahlias, etc. Last situation: 9 years; 12 months in this country. Excellent reference. Address, Key 772, care American Florist.

Situation Wanted.—An up-to-date floral artist, young married man; 30; desires a permanent position with a first-class concern where activity, ability, etc., will eventually bring promotion. 10 years experience in every detail of the retail trade with A1 people. Would locate in any large city. Address Key 760 care American Florist.

Help Wanted.—About February 15, a vegetable gardener, married man preferred, house furnished. FRANK AIKIN, Decatur, Ill.

Help Wanted.—Good rose grower to take charge of section. Kindly state age, experience and wages expected. Key 768 care American Florist.

Help Wanted.—Young woman to manage retail store; one of experience and an enthusiastic sale lady; state salary. Buffalo N. Y.
Address Key 770, care American Florist.

Help Wanted.—A competent grower of general stock on commercial place in Texas. Must be good designer, well up on Carnations, Roses and Mums, not afraid of work, honest and reliable, to start January or February 1st. Wages \$50.00 and Room. THE NUSSBAUMER FLORAL CO., San Angelo, Texas.

For Rent.—55 East Chicago Avenue, Chicago, half of store. Suitable for florist. In fine neighborhood. Apply 750 Rush Street.

For Sale or Lease.—Greenhouse and florist's store; about 2000 feet of glass and 50 by 125 feet of ground. Established trade. Wish to retire.
1749 W. Huron St., Chicago.

For Sale.—New Greenhouse with 11 acres of land located in a rich farming country and in county seat. Inquire of FRANK A. WERBACH, Cambridge, Ill.

For Sale.—Half interest in a good paying Florist business, must be sold by March 1st. Other business cause of selling. Write immediately for particulars. Address, Key 765, care American Florist.

For Sale.—An exceptional opportunity is offered to a man to purchase a paying, well equipped retail flower business; last year \$25,000 business; daily running expenses \$15.00 including help. Additional information can be had by addressing Key 767 care American Florist.

For Sale.—Greenhouses and interest in florist business. Place has 27,000 feet of glass; well stocked; located in state of Pennsylvania. Good chance for a young florist who can take charge. For particulars address Key 774 care American Florist.

For Sale.—A good paying florist business, established over 15 years ago by present owner. 9,000 feet of glass with retail store. A good location in Chicago. Fine chance for the right party. Death in the family reason for selling. For further particulars, address, Key 766, care American Florist.

Partner Wanted.—Competent grower and landscape gardener, 17 years experience, with several diplomas and medals, wants energetic and experienced partner to start business in Oregon (Portland). Some capital required. Address, HORTICULTURIST, 846 Jackson St., San Francisco, Cal.

Wanted.—Active partner in established wholesale business on Pacific Coast. Exceptional opportunity for development. Energy and push necessary; also sober; must invest \$1,000. Address, giving experience and for further information, Key 775, care American Florist.

Wanted: After Easter, 150 Rubber Plants to sell at 40c to 65c. Need not all be perfect—some with leaves off; some crooked; but low price. Cash.

Robt. M. McFarland, 7030 Lawnview Ave., Cleveland, Ohio.

HIGH CLASS MAN.

One capable of taking charge.
Reference required.

Hoffman, Boston.

Catalogs Wanted.

Catalogs and price lists of all sorts of flowers, bulbs and plants used in landscape gardening.

John Kilgour, Hyde Park, Cincinnati, Ohio.

Grower Wanted

A good all around cut flower man to take charge of a plant near Chicago. Give full particulars and state salary wanted in first letter.

Key 773 care American Florist.

Help Wanted.

A good experienced decorator. Must be strictly temperate and of good habits. In application state where last employed. Pittsburgh firm.

Key 769, care American Florist

Seedsman Wanted.

\$3,500 to \$5,000 a year to the right man who can take full management of a large branch Seed House to be opened at some central jobbing point, probably Chicago. Should be experienced on the road, know the general Seed Trade, be able to handle traveling men and all correspondence, and take entire charge; prefer man now with some good company, but who is free of any contract. All correspondence strictly confidential, and if you are not the man we want your application will be immediately destroyed. Address,

Key 776, care American Florist.

Seedsman Wanted.

Young men who have had experience in the retail seed business. Give age, experience and salary expected in own hand writing.

The J. M. McCullough's Sons Co., Cincinnati, Ohio

Help Wanted.

A No. 1 Designer who can sell to first class trade in large city. Give full particulars in application.

Address, Key 759, care American Florist.

Assistant Horticulturist (Male)

The United States Civil Service Commission will hold an open competitive examination for assistant horticulturist, for men only, on February 5, 1913, in the different states and territories. An educational training equivalent to that required for the degree of bachelor of arts is a prerequisite. Applicants must be between the ages of 25 and 45 years. Apply to UNITED STATES CIVIL SERVICE COMMISSION, Washington, D. C., for application and examination Form 1312, using exact title as given at head of this announcement.

Mention the American Florist when writing

OFFICIAL S. A. F.

Shipping Labels

Actual size of leaf 2 3/4 x 5 1/4 inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.

440 Dearborn St., CHICAGO.

Mention the American Florist when writing

Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. **PRICE, \$1.50.**

Greenhouse Management

By the same author. Covers the subject completely. 382 pages. **PRICE, \$1.50.**

AMERICAN FLORIST CO.,

440 S. Dearborn St.

Chicago

The American Florist Company's Directory of Florists, Nurserymen and Seedsmen of the United States and Canada.

(Copyrighted and Title Trade-Mark Registered.)

Directory Revision

We are revising our **Trade Directory** of the **Florists, Nurserymen, Seedsmen**, etc., of the United States and Canada, and as there have been many changes in firm names and considerable extension of the area under glass, nursery grounds, etc., you would greatly oblige by supplying the following information with reference to your business:

In all cases state (1) Name of firm or proprietor, with the officers of corporations; (2) Name of manager; (3) Address, giving street and number or rural route; (4) City or town; (5) State; (6) When business was established; and (7) Whom present owner succeeded.

If Florists, state whether (1) Grower; (2) Retail, having store only, (3) Wholesale; or (4) Commission. If a grower state acreage of ground operated and give number of square feet of glass.

To ascertain the number of feet under glass in a given house, 12x145 feet 145
multiply the length (145 feet) by the width (12 feet) and you have in 12
that house 1,740 feet under glass, thus,.....1,740

If Nurserymen, state whether (1) Wholesale; (2) Retail; (3) Acreage of ground operated, and area under glass as in the case of florists above.

If Seedsmen, state whether (1) Dealer; (2) Grower; (3) What your specialties are; (4) If a grower, state acreage operated and area under glass, as in the case of florists above.

Inclose your printed letterhead or business card with above details of the business.

Please send the names and addresses of new firms in your vicinity.

Horticultural Supply Concerns

We also list all lines of **Horticultural Supply Concerns**, such as manufacturers of **Greenhouse Building Materials, Boilers, Ventilators, Glass, Insecticides, Pots, Labels, Seed Bags, Fertilizers, Wire Designs, Tinfoil, Vases, Machinery, Implements, Sprayers, Seed Cases, Flower Pots, Florists' Boxes, Ribbons, Etc.** The specialties are also listed under these heads in the case of advertisers.

Advertising Rates:

Including Copy of New Edition.

Page (3½ x 6½ inches).....	\$25.00
Half page (3½ x 3¼ inches).....	15.00
One-fourth page (3½ x 1½ inches).....	9.00

The Price of the Book is \$3.00 Per Copy, Postpaid.

SEND YOUR ADVERTISEMENT NOW.

AMERICAN FLORIST COMPANY,
Directory Department. 440 S. Dearborn Street, CHICAGO.

Dennison
QUALITY



Clark
FLORIST
COR. BOYLSTON AND BERKELEY STS.
BOSTON

Dennison's
Tags
for Florists

Give the Final
Touch to an
Attractive
Box

This
is the
Season of
Debutantes'
Dinners
and Dances

Busy Florists

Will ship box after box of beautiful flowers. Of all the accessories to the flowers, the tag is the most important. It should be attractively printed with crest or monogram on clean white stock. The Tag is the Business Card of the florist on his goods. It must represent him in quality.

Write for samples of Dennison Tags

Dennison Manufacturing Co.

THE TAG MAKERS

BOSTON
26 Franklin St.

NEW YORK
15 John St.

NEW YORK
5th Av. & 26th St.

PHILADELPHIA
1007 Chestnut St.

CHICAGO
62 E. Randolph St.

ST. LOUIS
305 Locust St.

Sales Offices in
Thirty-three Leading Cities



CARNATIONS!

BIG CROP NOW ON.

Red, per 100, \$3.00.

Fancy Pink and White, per 100, \$3.00. Medium stems, Pink and White, per 100, \$2.00.

ALSO A FINE CROP OF LONG BEAUTIES.

Our roses are all carefully sorted and packed and cut especially for the shipping trade. Buy your flowers direct from a large grower. You get a more even run of stock and much fresher cut. We send our stock from the greenhouses three and four times per day.

CURRENT PRICE LIST.

Subject to change in market.

American Beauties

	Per doz.
Specials, extra long stems.....	\$ 6 00
36-inch stems.....	5 00
30-inch stems.....	4 00
20 to 24 inch stems.....	3 50
12-inch stems.....	1 50

Carnations

	Per 100
Fancy Pink, White and red.....	\$3 00
Medium Pink and White.....	2 00
Short and splits, white and pink for funeral work.....	1 00

Rhea Reid, Ward, Richmond, White and Pink Killarneys

	Per 100
Extra select.....	\$10 00 to \$12 00
Medium.....	8 00
Short.....	5 00 to 6 00
Short Wards.....	6 00

Miscellaneous

	Per 100
Harrisii Lilies, per doz.....	\$2 00: 16 00
Jonquils.....	\$3 00 to 4 00
Narcissus Paper White.....	2 00 to 3 00
Lily of the Valley.....	3 00 to 4 00
Tulips, \$2.00, \$3.00 and \$4.00; all colors.....	
Asparagus Sprays.....	3 00 to 4 00
Sprengeri.....	2 00 to 3 00
Ferns, per 1000.....	2 50
Smilax, per doz.....	1 50 to 2 00
Adiantum.....	1 00 to 1 50
Galax, bronze, per 1000.....	1 00

BASSETT & WASHBURN

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.
LONG DISTANCE PHONE, CENTRAL 1457.

Chicago.

ROSES SCARCE.

Henry E. Williams, assistant chief of the weather bureau at Washington, D. C., said last Saturday, January 18, that the "atmospheric conditions over the American continent may be likened to nothing so aptly as a bubbling caldron, which soon is to boil over, and when it does it will mean a change in the weather conditions in every part of the country." It seems as if the caldron has started to boil over a trifle, especially in this vicinity, for on the Monday following Mr. Williams' predictions, the thermometer dropped considerably and the temperature was much colder. Everyone is hoping that the cold bright weather will continue, for the flowers that are now arriving on the market clearly show the effects of the mild weather of the past week, especially carnations, which in some instances are very soft and not fit for shipping any great distance. The supply of stock in general is none too large, but trade is very quiet and the only shortage is in roses, especially is this true in the shorter grades. Long stemmed American Beauty roses are in good supply, but the better grades find immediate sale. Carnations are in oversupply everywhere and are being sold for very low prices which is something unusual at this time of the year. The average price asked for carnations is \$2 and \$3 per hundred, but the price is likely to advance almost any moment if trade improves at all. Orchids are plentiful and are being made a great feature by nearly all the large retail stores, beautiful baskets and vases being shown in the windows and on the counters, and are also being largely used for personal decoration in corsages. The growers have been sending them in good quantities and

some exceptionally low prices are being quoted for larger quantities. Violets are very plentiful and are being offered at very low prices and the quality is steadily improving. The demand for lilies has been fair, but the supply is not very large. Home-grown gardenias are scarce, but large shipments of these flowers are now arriving from the east. Bulbous stock is increasing rapidly and the quality is also improving. Tulips of white, pink, red and yellow are offered in quantities and the stems are much longer and the flowers much better. Trumpet Major narcissi are also to be had in quantity and the flowers are now of better substance. There is a great supply of Paper White narcissi and Roman hyacinths. Lily of the valley is having a fair call and the supply is adequate. Freesia is now in good supply and some blooms of excellent quality are obtainable. Sweet peas are of splendid quality and the receipts are much larger, so that all the colors are obtainable. Greens of all kinds are very plentiful. On Wednesday noon, January 22, there was no change whatever in the market conditions. The wholesale dealers are receiving telegrams from all parts of the country for roses, but in nearly all cases they return the following answer, "Impossible to fill." The retailer has a splendid opportunity to have a special sale on carnations and bulbous flowers now, for the local market is completely glutted and the stock can be had at very reasonable prices.

NOTES.

Last year at this time the growers in this vicinity, due to a car shortage, experienced a great deal of trouble in receiving enough coal to properly heat their greenhouses but now it is just the opposite and the dealers are actually urging them to buy.

Today the storage space of the dealers is taxed to the limit because the mild weather has not compelled householders to burn the average amount of coal, consequently the demand has fallen far below the average. In a good many cases the supply of coal is such, both in this city and the territory to the west, that it will take a protracted spell of cold weather to clean up the stock.

James Psenicka and V. Bezdek, proprietors of the Northwestern Floral Co., will dissolve partnership on May 1, as stated in these columns before and at which time the Northwestern Floral Co. will cease to exist. There will be an equal division of the property and each one of the proprietors will build several new houses so each of the individual ranges will be about as large as the present Northwestern Floral Co.'s plant.

H. Lowe is at the hospital with scarlet fever which followed an attack of heart failure and congestion of the lungs. Mrs. Lowe, who is a very industrious woman, is also under the doctor's care, her illness being due to overwork. The fireman took sick in November and for eight weeks Mrs. Lowe did the firing. The first of the year the greenhouses took fire, but little damage was done.

John Poehlmann's home was again robbed on Sunday, January 19, when \$100 in cash and jewelry valued at \$40 were stolen while the family were visiting relatives at Morton Grove. Mr. Poehlmann firmly believes in the old saying that experience is a good teacher, so he is not the loser this time as he took out burglar insurance immediately after the first robbery.

Michael F. Dziadul, 1514 West Chicago avenue, says that wedding orders were never so plentiful with him as they were this week.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

CATTLEYAS

Dendrobiums, Valley, Violets, Tulips, Jonquils, Sweet Peas and All
Other Seasonable Stock in Big Supply. Also Large Quantities of

CARNATIONS for McKINLEY DAY

Wednesday, January 29

Current Price List.

SUBJECT TO CHANGE WITHOUT NOTICE.

AMERICAN BEAUTIES	Per Doz.
Specials.....	\$5.00
39 to 36-inch.....	3.00 to 4.00
24 to 28 inch.....	2.00 to 2.50
18 to 20-inch.....	1.50
Short stem.....	Per 100 6.00 to 10.00

PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.	Per 100
Long.....	\$12.00 to \$15.00
Medium.....	8.00 to 10.00
Short.....	4.00 to 6.00

MELODY, long.	12.00 to 15.00
Medium.....	8.00 to 10.00
Short.....	4.00 to 6.00

MRS. AARON WARD.	12.00 to 15.00
Long.....	8.00 to 10.00
Medium.....	4.00 to 6.00
Short.....	4.00 to 6.00

LADY HILLINGDON.	12.00 to 15.00
Long.....	8.00 to 10.00
Medium.....	4.00 to 6.00
Short.....	4.00 to 6.00

RICHMOND.	Per 100
Long.....	\$12.00 to \$15.00
Medium.....	8.00 to 10.00
Good short.....	4.00 to 6.00

KILLARNEY.	\$12.00 to \$15.00
Long.....	8.00 to 10.00
Medium.....	4.00 to 6.00
Good short.....	4.00 to 6.00

WHITE KILLARNEY.	\$12.00 to \$15.00
Long.....	8.00 to 10.00
Medium.....	4.00 to 6.00
Good short.....	4.00 to 6.00
Extra special Roses, charged accordingly.	

VIOLETS, Princess of Wales.....	.75
Double, New York.....	.75
Double, Glencoe, home-grown.....	1.00

ROMANS.....	\$3.00 to 4.00
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SWEET PEAS.....	1.00
Long Fancy.....	1.50

VALLEY.....	\$3.00 to \$4.00
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NARCISSUS, Paper White.....	3.00 to 4.00
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CARNATIONS—	Per 100
Fancy.....	\$3.00 to \$4.00
Medium.....	2.00
Splits and Shorts.....	1.00

ORCHIDS,	
PERCIVILLIANA.....	per doz., 3.00 to 4.00

TRIANAE.....	per doz., 4.00 to 6.00
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ONCIDIUMS.....	5.00
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DENDROBIUM FORMOSUM, doz.	3.00 to 4.00
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EASTER LILIES.....	15.00
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JONQUILS.....	3.00 to 4.00
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TULIPS.....	3.00 to 4.00
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ADIANTUM CROWEANUM.....	1.00
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MEXICAN IVY.....	per 1000, \$6.00 .75
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SMILAX.....	16.00
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SPRENGERI, PLUMOSUS SPRAYS.....	3.00 to 4.00
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PLUMOSUS STRINGS, extra long and heavy.....	each, .60
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FERNs.....	per 1,000, 2.00 .25
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GALAX.....	per 1,000, 1.25
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LEUCOTHOE.....	per 100, .75
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BOXWOOD, fine bright green (no wood).....per bunch, 25c; per 50-lb. case, 7.50

WILD SMILAX, in 50-lb. cases, (no small cases).....per case, 5.00

SUPPLY DEPARTMENT VALENTINE BOXES

Something New and Unique. Sample Orders Now Ready.
Can be sent by Parcels Post.

Also Corsage Shields, Ties and Pins

Order some of Waters' Latest Corsage Ties, the Butterfly Bow, in all colors, ready to attach, \$2.00 per dozen. Ask us about them.

Place your order now for an assortment of pretty Red Baskets for Valentine Day.

Fancy Cut Flower Boxes and a full line of accessories for the coming season. Give us a trial order now and be convinced that our stock is new and that all orders are shipped promptly. We have a habit of giving satisfaction.

AMERICAN BEAUTIES

Extra Large Supply of Long Stemmed Flowers of Unsurpassed Quality at Very Reasonable Prices. Good Color, Foliage and Stem.

ALSO A GOOD SUPPLY OF KILLARNEY

White Killarney, Richmond, Maryland, Melody and Mrs. Aaron Ward Roses and Carnations

Current Price List.

Subject to change without notice.

AMERICAN BEAUTIES		Per doz.			Per 100			Per 100
Extra long.....		\$ 4 00	White Killarney, Special.....		10 00	Valley.....	3 00 to	4 00
36-inch stems.....		3 50	Medium.....	6 00 to	8 00	Violets.....	75 to	1 00
30-inch stems.....		3 00	Short.....		4 00	Sweet Peas.....	1 00 to	1 25
24-inch stems.....		2 50	My Maryland, Special.....		10 00	Paper Whites.....	2 00 to	3 00
20-inch stems.....		2 00	Medium.....	6 00 to	8 00	Romans.....	2 00 to	3 00
18-inch stems.....		1 50	Short.....		4 00	Asparagus, bunch.....	2 00 to	3 00
12 to 15-inch stems.....		1 00	Sunrise, Select.....		10 00	“ strings, 60c to 75c ea.		
Shorts.....	\$ 50 to	75	Medium.....	6 00 to	8 00	Sprengeri.....	2 00 to	3 00
Richmonds.....	Per 100		Short.....		4 00	Smilax.....		1 50
Select.....	\$10 00		Roses our Selection.....		5 00	Mexican Ivy.....		75
Medium.....	6 00 to	8 00	Carnations, Fancy.....		3 00	Galax, bronze and green	per 1000,	\$1 25
Shorts.....	4 00		Select.....	1 50 to	2 00	Leucothoe Sprays.....		75
Killarney, Special.....	10 00		Harrisii Lilies.....	per doz.,	\$1 50	Boxwood, per bunch.....	25	
Medium.....	6 00 to	8 00				Ferns, per 1000.....	\$2 00	
Short.....	4 00							

Peter Reinberg

30 East Randolph Street

L. D. Phone, Central 2846

CHICAGO

The George Wittbold Co.'s retail department never seems to be idle, for the force is always busy with something or other. Most of the time it is with decorations of some sort but this week it is with funeral work. Their trade extends to all parts of the city and the orders were so widely scattered on January 20 that 14 men were needed on the delivery service that day.

Poehlman Bros. Co.'s fancy sweet peas in all colors are the leaders at the store this week and measure fully 12 inches in stem. The supply of orchids at this house was never larger than at present and the average daily cut is 600 blooms. The supply department is now headlining Waters' butterfly corsage tie which is something new and bound to be a winner.

Wietor Bros. are having a big demand for American Beauty roses, which are now just coming in crop. N. J. Wietor and party, who are enjoying a visit in the southland have just reached Ocean Springs, Miss., after a delightful stop at Chattanooga, Tenn., and New Orleans, La.

Peter Reinberg is cutting from a new crop of American Beauty roses which are now seen at his store in quantity. The supply of other roses is fair and just about large enough to go around.

At Kenniteott Bros. Co.'s store bulbous stock of all kinds is seen in

large quantities with a fancy grade of tulips the principal offering. Another delayed shipment of boxwood, intended for the holidays, has just been delivered to their store.

Harry Manheim says that Hoerber Bros.' stock is sold at an early hour each day, carnations included. Hoerber's have every reason to feel proud of their Killarney roses for the stock that they are now cutting is of the best quality.

Bassett & Washburn's American Beauty roses are now of very good quality and no trouble is being experienced in disposing of the cut. Lilies, tulips and other bulbous flowers are also seen in large supply here.

Miss Martha Gunterberg and Gus Alles, Tim Matchen, Chas. Drissler and wives attended the Bald-Griffin wedding which was held at Our Lady of Lourdes Church on Wednesday, January 15.

Percy Jones is displaying a fine line of corsage accessories especially adapted for St. Valentine's day. His cut flower department is on deck as usual with all the desired stock in season.

The J. B. Deamud Co.'s tables are filled with "good things" each morning after the shipments of stock have been unpacked, especially with bulbous flowers and carnations.

"Sprinkleproof Sam," Wertheimer Bros.' human bundle of happiness, is

PERCY

Wholesalers of

**CUT FLOWERS and
FLORISTS' SUPPLIES**

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

with us again this week. He is the same young Mr. Seligman but is getting prettier each day.

Phil Schupp reports a good demand for lily of the valley at J. A. Budlong's store, and adds that trade is quite brisk, all things considered.

Sam Seligman, representing Wertheimer Bros., New York; Ellis Woodworth of the Sefton Mfg. Co., Chicago; Chas. Steidle, Richmond, Ind.; and A. Miller of Henderson & Co., Chicago.

Indiana Florists' Association.

The annual meeting of the Indiana Florists' Association was held January 15, at Indianapolis, and was one of the best attended meetings for several seasons. Over forty members were present. The younger generation was especially conspicuous. The exhibits were numerous and of very fine quality. The judges, W. J. Vesey, Jr., Paul Tauer and W. W. Coles, reported as follows:

Robt. Ellis, Indianapolis; Len Elder, Indianapolis; Robt. Glaubke, Indianapolis; John Hartje, Indianapolis; Herman Junge, Indianapolis; Al Kempke, Indianapolis; Wm. Langstaff, Indianapolis; John Grande, Jr., Indianapolis; Al Schreiber, Indianapolis; Al Marshall, Indianapolis; Charles Paduh, Indianapolis; Albert Pettit, Indianapolis; H. W. Rieman, Indianapolis; A. W. Warren, Indianapolis; Earl Mann, Richmond; Fred Lemon, Richmond; Morris Marer, Indianapolis; M. F. Morris, Bloomington; Warren Huckleberry, North Vernon; Theodore Dörner, North Vernon; B. F. Hensley, Knightstown; H. L. Wiegand, Indianapolis; Paul Tauer, Lebanon; Thomas Woodward, Edinburg; R. A. McKeand, Marion; M. A. Barick, Seymour; H. A. Maxiner, Alexandria; A. F. J. Baur, Indianapolis; W. W. Coles, Kokomo; George R. Gause, Richmond; O. E. Steinkamp, Indianapolis; W. J. Vesey, Jr., Ft. Wayne; J. A. Evans, Richmond; J. A. E. Haugh, Anderson; J. S. Stuart, Anderson; Paul Hoffman, Indianapolis; Lynn Barnaby, Columbus; C. S. Barnaby, Columbus; F. L. Lemeke, Chicago; — Martin, Chicago Carnation Co.

The judges' report was as follows: Stuart & Haugh, Anderson—Merry-Go-Round, white carnation, fair flower; stem and calyx similar to White Enchantress. Winter Cheer, rose pink carnation; excellent color and stem; flowers good size.

The E. G. Hill Co., Richmond—Commodore, red carnation, color and stem very good; flowers appeared to be picked prematurely.

Baur & Steinkamp, Indianapolis—St. Nicholas, color, size and stem excellent. Radiance, color and size extra good. Flowers are held up by an exceedingly good stem. Would say it is good commercially. Also some good vases of Rose Pink Enchantress, Enchantress and Dorothy Gordon were shown by this firm. Shasta, good fringed, white.

Scott Bros., Elmsford, N. Y.—British Triumph, no comment; arrived in poor condition. Lady Northcliffe, pink; color and stem good; flower small. Wm. Eccles, red, flowers arrived in poor condition, although from appearance it must be a good carnation. It has an extra strong stem, good calyx and size.

Hartje & Elder, Indianapolis—The best displayed carnations were staged by this firm, consisting of some exceedingly fine White Enchantress.

Chicago Carnation Co.—Herald, deep red, good stem and color.

F. Dörner & Sons, Lafayette—Seedling 271; a flesh pink of excellent texture; stem, calyx and form ideal; has the appearance of a good commercial variety. Yellow Prince, an exceedingly good yellow carnation; Seedling 31, the best cerise pink that has come under our notice. Seedling 138, Yellow Stone, good color, calyx and stem; a deep flesh color, extra large in size; we consider it the best carnation we have noticed in that color; an exceedingly good exhibition

carnation, 4 inches, strong. 254, an exceedingly good red and an exceptional stem; extra large size, looks like a winner in the red class. 251, a rose pink in color, honorable mention. 111, very good red. 42, a good light pink. A vase of good mixed seedlings was shown by this firm, some of which colors will be heard from later. F. Dörner & Son's seedlings are an advancement in the right direction, and have created comment among all the members present.

W. W. Coles of Kokomo, showed several vases of good commercial carnations.

Traendley & Schenck, New York, showed Salmon Beauty, a beautiful salmon color, but arrived in poor condition. Rose Queen, a beautiful sweet pea, one of the finest pink peas



The Late B. Suzuki.

to be found on the market wherever you go. We certainly give it an exceedingly good recommendation.

Two other vases of peas were shown by A. G. Pittit, Indianapolis, both showing good culture.

Collection of plants were shown by Vaughan's Seed Store, Chicago.

H. J.

Philadelphia Notes.

The growers hereabouts are disappointed with the mid-winter actions of the Mrs. Ward rose which is not producing flowers in paying quantities at this time. The Mrs. Taft is also a little shy just now, but all agree that this is one of the good things in roses and worth while growing in moderate quantities.

Greenhouse builders are satisfied that this city is a good field for them. The Lord & Burnham Co. has had a great year. Dennis Connor is back again with his old love and predicts the best season ever. Hitchings & Co. are also about to open an office in this city.

We are glad to see that S. S. Skidel-sky has landed the best pink carnation up to date and that he honors his home city by christening it Philadelphia.

At the Leo Niessen Co.'s busy market they have offered the past week something very choice in sweet peas. American Beauties are also a feature.

Spring flowers, with lilacs leading, are leaders at Berger Bros.' central market. Sweet peas are also a feature.

The M. Rice Co. is working on new Easter stock that they say will be worth any retail merchant's time to see. It will soon be on the market.

There was a great demand for boxwood trees the past fall and the market is entirely cleaned up, there being no stock of any sizes in this city.

Reid's Ranstead establishment is showing extra fine carnations. The Wards, both pink and white, are the best seen here.

K.

OBITUARY.

Francis A. Friedly.

Francis Asbury Friedly of Rocky River, O., died at his home Thursday afternoon, January 16, at the age of 67 years. A blood vessel which burst in his head was the cause of his death. He was busy in the greenhouses in the morning, when he took sick; he became dizzy and was carried to his home, where he became unconscious and died shortly after. He was buried Sunday afternoon in the Rockport cemetery. A large concourse of his many friends with floral tributes were present. He was a member of the Cleveland Florists' Club and well known and liked by all who knew him. He was "one of the boys" in many of their games and pleasures. He was the father of Frank Friedly, who is secretary of the Cleveland Florists' Club and foreman of the J. M. Gasser Co.'s range of greenhouses at Rocky River. The sympathy of the trade is extended to the son and daughter in their bereavement.

C. F. B.

Mrs. E. D. Badgley.

Mrs. E. D. Badgley, mother of W. G. Badgley, of Badgley, Riedel & Meyer, died at her home in Murray Hill, N. J., January 15, aged 67 years. She was the mother of fourteen children, eleven of whom, with her husband E. D. Badgley, a well known florist, survive her. The funeral was held January 18 at the Presbyterian church of New Providence, N. J. Mrs. Badgley having been for many years a member of the Presbyterian denomination. The Badgley family is well known both in this city and the neighboring towns and cities of New Jersey and have the sympathy of a host of friends in this affliction.

A. F. F.

Bunzo Suzuki.

Bunzo Suzuki, well known in America through his connection with the Yokohama Nursery Co., died at Yokohama, Japan, December 13. Mr. Suzuki was born in Yokohama November 27, 1869, and first came to this country in 1891. He was employed at San Francisco about 18 months and then went to the establishment of Henry A. Dreer, Inc., at Riverton, N. J. In 1893 his father attended the World's Fair at Chicago and the junior Mr. Suzuki acted as his guide. For a number of years he made regular trips for the Yokohama Nursery Co. between Japan and this country.

FALLS CREEK, PA.—Goss & Goss, growers of geranium plants, will grow a general line of cut flowers this year. They now have 5,000 carnations and 3,500 chrysanthemum plants.

NEW YORK.—Judge Holt in the United States District Court has granted a discharge from bankruptcy to Joseph Fleischman, formerly president of the Fleischman Floral Co., Broadway and Twenty-fifth street.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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RENEW subscriptions promptly so that no copies of the paper may be missed.

LILIES will need careful watching from this time to insure a good Easter crop, March 23 being the early date of the feast this year.

THE United States Department of Agriculture is reported to be not only furnishing funds to soil and crop clubs in certain states but is also paying as high as \$100 per month on account of salary for soil expert to work with such organizations. The plan is put through under some theory of naming such associations experiment stations. This looks dangerously like unfair distribution of government funds.

Personal.

Fritz Bahr and wife, of Chicago, have arrived at the Golden Gate in their California trip and report an enjoyable time.

Inquiry For A. Loemel.

The present whereabouts of A. Loemel, a florist who has worked in several cities of the United States, and for the firm of Gude Bros. Co., 1214 F street, N. W., Washington, D. C., is very much desired by that firm. Anyone knowing his address will confer a favor by communicating it to them.

GUDE BROS. CO.

Gladiolus Bulletin.

Bulletin number six of the American Gladiolus Society, containing an account of the meeting in Chicago, August 22, 1912, has been issued. It contains, among other interesting material, an account of the election of officers, the address of President Isaac S. Hendrickson, the treasurer's and secretary's reports, financial secretary's report, list of awards, a list of the members, and some valuable comments on the gladiolus, etc. A copy may be had of the corresponding secretary, L. Merton Gage, South Natick, Mass.

French Exports of Artificial Flowers.

French customs statistics do not separately state the exports of artificial flowers from that republic, but include them under the heading "Artificial flowers, leaves, and fruit"—the last-mentioned being made of papier-mache and forming a more or less important article of commerce. The total shipments of this class of goods from France to all countries in 1911 were valued at \$3,497,700, the United States taking \$681,300 worth; by far the greater portion of these exports were from the Paris consular district, reports Consul General Frank H. Mason.

Publicity.

I have read with interest the report of the meeting of the Philadelphia Florists' Club, issue of January 18, page 1502. From the fact that I have personal acquaintance with every man with but one exception, whose views are reported, I may say that I was pleased to learn their views. They are all excellent men and deserve credit for their outspoken statements. I may be pardoned for making a few remarks.

This publicity movement will never travel very far while the wholesalers are blaming the retailers and vice versa, the retailers are blaming the wholesalers, for all the unfortunate accidents and incidents that occur in the business. The truth and the trouble at the present time is that the public, meaning a large majority of all the people, knows quite enough already about certain phases of the flower business. Having carefully surveyed the situation, I am prepared to state that the best form of publicity is to give the public a square deal.

At Thanksgiving, Christmas and Easter in nearly every city, attempts are made to push up prices on all stock, even when there is more stock than can possibly be sold. If any wholesaler or retailer, and I will add, any grower, thinks that this can go on from year to year and the public be kept in the dark, he is very much mistaken. With the enormous increase in the supply of cut flowers during the past few years, even now, but few of the "plain people" can afford them, and I know what I am writing about. If the business is to continue prosperous, we must have a new deal.

JOHN DAN DELION.

National Association of Gardeners.

The National Association of Gardeners has selected the Murray Hill Hotel, Forty-first street and Park avenue, New York city, as its headquarters during the International Flower Show. The hotel is conveniently situated to the Grand Central Palace, being only five short blocks from the hall and the same distance from Broadway, so that it is also easy of access to the city's amusement center.

The management has set a rate of \$2 per day for a single person and \$3 for two persons in a room, including privilege of bath. The men's dining hall will be set aside as the rendezvous for members to congregate morning, noon and night. Breakfast, luncheon and dinner will be served in this hall at a reasonable price. The hotel management promises to provide every facility to make the hotel a hospitable hostelry for the gardeners during their stay.

Members can communicate direct with the hotel for reservations of rooms. Those who intend to attend the International Flower Show will do well to reserve their rooms at an early date, as a big crowd is looked for and as the National Association of Gardeners' headquarters will be a popular place, those that apply late may find that they cannot be accommodated.

M. C. EBEL, Sec'y.

Boston Parks.

The thirty-seventh annual report of the board of park commissioners of Boston, Mass., for the year ending January 31, 1912, shows a commendable increase in park improvements. The total amount of money expended was \$404,974.71. Of this \$49,914.72 was for construction work and \$355,059.99 for maintenance. Trees have been planted in many places, adding much to the beauty of the city's public pleasure grounds. Governor's Island, the use of which was tendered by the government to the people for a park, was improved by new trees, etc. The surplus oaks in Franklin park were root pruned and later transplanted. The trees were well grown specimens, 15 to 20 feet in height. They were moved several miles. Annual pruning is commended in the report as a great benefit to the plantations. The herbaceous garden of Franklin park and the shrubberies are noted as fully repaying the care expended on them. The ginkgo, a tree of Japanese or Chinese origin, was to be planted in a lot of nurse trees for shelter until it reached a size where it was capable of caring for itself. European elms, lindens, etc., were also to be used to beautify the city streets and avenues as well as the parks.

Ladies' Society of American Florists.

Mrs. Frank H. Traendly, president Ladies' S. A. F., has appointed three directors to serve two years, as follows: Mrs. W. N. Rudd, Illinois; Mrs. C. C. Pollworth, Wisconsin; Mrs. Chas. H. Totty, New Jersey. Also three committees to serve at New York city and Minneapolis as follows: Reception committee—Miss A. M. O'Mara, New Jersey, chairman; Miss Matilda Meinhardt, Missouri; Mrs. J. C. Vaughan, Illinois; Mrs. James W. Boone, Maryland; Mrs. Chas. Critchell, Ohio. Theater committee—Mrs. Chas. H. Maynard, Michigan, chairman; Mrs. U. J. Virgin, Louisiana; Mrs. B. Hammond Tracy, Massachusetts; Mrs. Walter Sheridan, New York; Mrs. Julius Roehrs, Jr., New Jersey. Working committee—Mrs. J. Manda, New Jersey, chairman; Mrs. E. M. Bullock, Indiana; Mrs. J. S. Wilson, Iowa; Mrs. Geo. Cooke, District of Columbia; Mrs. John Donaldson, New Jersey.

Meetings Next Week.

Baltimore, Md., January 27, 8 p. m.—Gardeners and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.
Cleveland, O., January 27, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Lake Forest, Ill., January 29, 8 p. m.—Horticultural Society of Lake Forest, Council Chamber, City Hall.

Lake Geneva, Wis., February 1, 8 p. m.—Lake Geneva Gardeners and Foremen's Association, Horticultural hall.

Lenox, Mass., February 1.—Lenox Horticultural Society.

San Francisco, Calif., February 1.—Pacific Coast Horticultural Society.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted.—By sober man: good grower of cut flowers and plants; very good in carnations; can take charge. Key 771, care American Florist.

Situation Wanted.—By a widely experienced florist: age, twenty-six; single. Kindly state full particulars in first letter. Address, E. P. ADAMS, Poughkeepsie, N. Y.

Situation Wanted.—Englishman (married), 18 years practical experience in leading English nurseries. Experienced in all branches inside and out, including growing and exhibiting Sweet Peas, Dahlias, etc. Last situation: 9 years, 12 months in this country. Excellent reference. Address, Key 772, care American Florist.

Situation Wanted.—An up-to-date floral artist, young married man; 30; desires a permanent position with a first-class concern where activity, ability, etc., will eventually bring promotion. 10 years experience in every detail of the retail trade with A1 people. Would locate in any large city. Address Key 760 care American Florist.

Help Wanted.—About February 15, a vegetable gardener, married man preferred, house furnished. FRANK AIKIN, Decatur, Ill.

Help Wanted.—Good rose grower to take charge of section. Kindly state age, experience and wages expected. Key 768 care American Florist.

Help Wanted.—Young woman to manage retail store; one of experience and an enthusiastic sale lady; state salary. Buffalo, N. Y.
Address Key 770, care American Florist.

Help Wanted.—A competent grower of general stock on commercial place in Texas. Must be good designer, well up on Carnations, Roses and Mums, not afraid of work, honest and reliable, to start January or February 1st. Wages \$50.00 and Room. THE NUSSBAUMER FLORAL CO.,
San Angelo, Texas.

For Rent.—55 East Chicago Avenue, Chicago, half of store. Suitable for florist. In fine neighborhood. Apply 750 Rush Street.

For Sale or Lease.—Greenhouse and florist's store; about 2000 feet of glass and 50 by 125 feet of ground. Established trade. Wish to retire.
1749 W. Huron St., Chicago.

For Sale.—New Greenhouse with 11 acres of land located in a rich farming country and in county seat. Inquire of FRANK A. WERBACH,
Cambridge, Ill.

For Sale.—Half interest in a good paying Florist business, must be sold by March 1st. Other business cause of selling. Write immediately for particulars. Address, Key 765, care American Florist.

For Sale.—An exceptional opportunity is offered to a man to purchase a paying, well equipped retail flower business; last year \$25,000 business; daily running expenses \$15.00 including help. Additional information can be had by addressing Key 767 care American Florist.

For Sale.—Greenhouses and interest in florist business. Place has 27,000 feet of glass; well stocked; located in state of Pennsylvania. Good chance for a young florist who can take charge. For particulars address Key 774 care American Florist.

For Sale. A good paying florist business, established over 15 years ago by present owner. 9,000 feet of glass with retail store. A good location in Chicago. Fine chance for the right party. Death in the family reason for selling. For further particulars, address, Key 766, care American Florist.

Partner Wanted.—Competent grower and landscape gardener, 17 years experience, with several diplomas and medals, wants energetic and experienced partner to start business in Oregon (Portland). Some capital required. Address,
Horticulturist, 846 Jackson St.,
San Francisco, Cal.

Wanted.—Active partner in established wholesale business on Pacific Coast. Exceptional opportunity for development. Energy and push necessary; also sober; must invest \$1,000. Address, giving experience and for further information, Key 775, care American Florist.

Wanted: After Easter, 150 Rubber Plants to sell at 40c to 65c. Need not all be perfect—some with leaves off; some crooked; but low price. Cash.
Robt. M. McFarland, 7030 Lawnview Ave.,
Cleveland, Ohio.

HIGH CLASS MAN.

One capable of taking charge.
Reference required.

Hoffman, Boston.

Catalogs Wanted.

Catalogs and price lists of all sorts of flowers, bulbs and plants used in landscape gardening.

John Kilgour, Hyde Park,
Cincinnati, Ohio.

Grower Wanted

A good all around cut flower man to take charge of a plant near Chicago. Give full particulars and state salary wanted in first letter.

Key 773 care American Florist.

Help Wanted.

A good experienced decorator. Must be strictly temperate and of good habits. In application state where last employed. Pittsburgh firm.

Key 769, care American Florist

Seedsman Wanted.

\$3,500 to \$5,000 a year to the right man who can take full management of a large branch Seed House to be opened at some central jobbing point, probably Chicago. Should be experienced on the road, know the general Seed Trade, be able to handle traveling men and all correspondence, and take entire charge: prefer man now with some good company, but who is free of any contract. All correspondence strictly confidential, and if you are not the man we want, your application will be immediately destroyed. Address,
Key 776, care American Florist.

Seedsman Wanted.

Young men who have had experience in the retail seed business. Give age, experience and salary expected in own hand writing.

The J. M. McCullough's Sons Co.,
Cincinnati, Ohio

Help Wanted.

A No. 1 Designer who can sell to first class trade in large city. Give full particulars in application.

Address, Key 759,
care American Florist.

Assistant Horticulturist (Male)

The United States Civil Service Commission will hold an open competitive examination for assistant horticulturist, for men only, on February 5, 1913, in the different states and territories. An educational training equivalent to that required for the degree of bachelor of arts is a prerequisite. Applicants must be between the ages of 25 and 45 years. Apply to UNITED STATES CIVIL SERVICE COMMISSION, Washington, D. C., for application and examination Form 1312, using exact title as given at head of this announcement.

Mention the American Florist when writing

OFFICIAL S. A. F.

Shipping Labels

Actual size of leaf 2 3/4 x 5 1/4 inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.

440 Dearborn St., CHICAGO.

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BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. PRICE, \$1.50.

Greenhouse Management

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AMERICAN FLORIST CO.,

440 S. Dearborn St.

Chicago

The American Florist Company's Directory of
Florists, Nurserymen and Seedsmen of the United States and Canada.

(Copyrighted and Title Trade-Mark Registered.)

Directory Revision

We are revising our **Trade Directory** of the **Florists, Nurserymen, Seedsmen, etc.**, of the United States and Canada, and as there have been many changes in firm names and considerable extension of the area under glass, nursery grounds, etc., you would greatly oblige by supplying the following information with reference to your business:

In all cases state (1) Name of firm or proprietor, with the officers of corporations; (2) Name of manager; (3) Address, giving street and number or rural route; (4) City or town; (5) State; (6) When business was established; and (7) Whom present owner succeeded.

If Florists, state whether (1) Grower; (2) Retail, having store only, (3) Wholesale; or (4) Commission. If a grower state acreage of ground operated and give number of square feet of glass.

To ascertain the number of feet under glass in a given house, 12x145 feet 145
multiply the length (145 feet) by the width (12 feet) and you have in 12
that house 1,740 feet under glass, thus,.....1,740

If Nurserymen, state whether (1) Wholesale; (2) Retail; (3) Acreage of ground operated, and area under glass as in the case of florists above.

If Seedsmen, state whether (1) Dealer; (2) Grower; (3) What your specialties are; (4) If a grower, state acreage operated and area under glass, as in the case of florists above.

Inclose your printed letterhead or business card with above details of the business.

Please send the names and addresses of new firms in your vicinity.

Horticultural Supply Concerns

We also list all lines of **Horticultural Supply Concerns**, such as manufacturers of **Greenhouse Building Materials, Boilers, Ventilators, Glass, Insecticides, Pots, Labels, Seed Bags, Fertilizers, Wire Designs, Tinfoil, Vases, Machinery, Implements, Sprayers, Seed Cases, Flower Pots, Florists' Boxes, Ribbons, Etc.** The specialties are also listed under these heads in the case of advertisers.

Advertising Rates:

Including Copy of New Edition.

Page (3½ x 6½ inches).....	\$25.00
Half page (3½ x 3¼ inches).....	15.00
One-fourth page (3½ x 1½ inches).....	9.00

The Price of the Book is \$3.00 Per Copy, Postpaid.

SEND YOUR ADVERTISEMENT NOW.

AMERICAN FLORIST COMPANY,
Directory Department. 440 S. Dearborn Street, CHICAGO.

Dennison
QUALITY



Dennison's
TRADE MARK

Tags for Florists

Give the Final
Touch to an
Attractive
Box

This
is the
Season of
Debutantes'
Dinners
and Dances

Busy Florists

Will ship box after box of beautiful flowers. Of all the accessories to the flowers, the tag is the most important. It should be attractively printed with crest or monogram on clean white stock. The Tag is the Business Card of the florist on his goods. It must represent him in quality.

Write for samples of Dennison Tags

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305 Locust St.

Sales Offices in
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CARNATIONS!

BIG CROP NOW ON. Red, per 100, \$3.00.

Fancy Pink and White, per 100, \$3.00. Medium stems, Pink and White, per 100, \$2.00.

ALSO A FINE CROP OF LONG BEAUTIES.

Our roses are all carefully sorted and packed and cut especially for the shipping trade. Buy your flowers direct from a large grower. You get a more even run of stock and much fresher cut. We send our stock from the greenhouses three and four times per day.

CURRENT PRICE LIST. Subject to change in market.

American Beauties

	Per doz.
Specials, extra long stems.....	\$ 6 00
36-inch stems.....	5 00
30-inch stems.....	4 00
20 to 24-inch stems.....	3 50
12-inch stems.....	1 50

Carnations

	Per 100
Fancy Pink, White and red.....	\$3 00
Medium Pink and White.....	2 00
Short and splits, white and pink for funeral work.....	1 00

Rhea Reid, Ward, Richmond, White and Pink Killarneys

	Per 100
Extra select.....	\$10 00 to \$12 00
Medium.....	8 00
Short.....	5 00 to 6 00
Short Wards.....	6 00

Miscellaneous

	Per 100
Harrisii Lilies, per doz....\$2 00:	16 00
Jonquils.....	\$3 00 to 4 00
Narcissus Paper White.....	2 00 to 3 00
Lily of the Valley.....	3 00 to 4 00
Tulips, \$2.00, \$3.00 and \$4.00; all colors.	
Asparagus Sprays.....	3 00 to 4 00
Sprenger.....	2 00 to 3 00
Ferns, per 1000.....	2 50
Smilax, per doz.....	1 50 to 2 00
Adiantum.....	1 00 to 1 50
Galax, bronze, per 1000.....	1 00

BASSETT & WASHBURN

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.
LONG DISTANCE PHONE, CENTRAL 1457.

Chicago.

ROSES SCARCE.

Henry E. Williams, assistant chief of the weather bureau at Washington, D. C., said last Saturday, January 18, that the "atmospheric conditions over the American continent may be likened to nothing so aptly as a bubbling caldron, which soon is to boil over, and when it does it will mean a change in the weather conditions in every part of the country." It seems as if the caldron has started to boil over a trifle, especially in this vicinity, for on the Monday following Mr. Williams' predictions, the thermometer dropped considerably and the temperature was much colder. Everyone is hoping that the cold bright weather will continue, for the flowers that are now arriving on the market clearly show the effects of the mild weather of the past week, especially carnations, which in some instances are very soft and not fit for shipping any great distance. The supply of stock in general is none too large, but trade is very quiet and the only shortage is in roses, especially is this true in the shorter grades. Long stemmed American Beauty roses are in good supply, but the better grades find immediate sale. Carnations are in oversupply everywhere and are being sold for very low prices which is something unusual at this time of the year. The average price asked for carnations is \$2 and \$3 per hundred, but the price is likely to advance almost any moment if trade improves at all. Orchids are plentiful and are being made a great feature by nearly all the large retail stores, beautiful baskets and vases being shown in the windows and on the counters, and are also being largely used for personal decoration in corsages. The growers have been sending them in good quantities and

some exceptionally low prices are being quoted for larger quantities. Violets are very plentiful and are being offered at very low prices and the quality is steadily improving. The demand for lilies has been fair, but the supply is not very large. Home-grown gardenias are scarce, but large shipments of these flowers are now arriving from the east. Bulbous stock is increasing rapidly and the quality is also improving. Tulips of white, pink, red and yellow are offered in quantities and the stems are much longer and the flowers much better. Trumpet Major narcissi are also to be had in quantity and the flowers are now of better substance. There is a great supply of Paper White narcissi and Roman hyacinths. Lily of the valley is having a fair call and the supply is adequate. Freesia is now in good supply and some blooms of excellent quality are obtainable. Sweet peas are of splendid quality and the receipts are much larger, so that all the colors are obtainable. Greens of all kinds are very plentiful. On Wednesday noon, January 22, there was no change whatever in the market conditions. The wholesale dealers are receiving telegrams from all parts of the country for roses, but in nearly all cases they return the following answer, "Impossible to fill." The retailer has a splendid opportunity to have a special sale on carnations and bulbous flowers now, for the local market is completely glutted and the stock can be had at very reasonable prices.

NOTES.

Last year at this time the growers in this vicinity, due to a car shortage, experienced a great deal of trouble in receiving enough coal to properly heat their greenhouses but now it is just the opposite and the dealers are actually urging them to buy.

Today the storage space of the dealers is taxed to the limit because the mild weather has not compelled householders to burn the average amount of coal, consequently the demand has fallen far below the average. In a good many cases the supply of coal is such, both in this city and the territory to the west, that it will take a protracted spell of cold weather to clean up the stock.

James Psenicka and V. Bezdek, proprietors of the Northwestern Floral Co., will dissolve partnership on May 1, as stated in these columns before and at which time the Northwestern Floral Co. will cease to exist. There will be an equal division of the property and each one of the proprietors will build several new houses so each of the individual ranges will be about as large as the present Northwestern Floral Co.'s plant.

H. Lowe is at the hospital with scarlet fever which followed an attack of heart failure and congestion of the lungs. Mrs. Lowe, who is a very industrious woman, is also under the doctor's care, her illness being due to overwork. The fireman took sick in November and for eight weeks Mrs. Lowe did the firing. The first of the year the greenhouses took fire, but little damage was done.

John Poehlmann's home was again robbed on Sunday, January 19, when \$100 in cash and jewelry valued at \$40 were stolen while the family were visiting relatives at Morton Grove. Mr. Poehlmann firmly believes in the old saying that experience is a good teacher, so he is not the loser this time as he took out burglar insurance immediately after the first robbery.

Michael F. Dziadul, 1514 West Chicago avenue, says that wedding orders were never so plentiful with him as they were this week.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

CATTLEYAS

Dendrobiums, Valley, Violets, Tulips, Jonquils, Sweet Peas and All
Other Seasonable Stock in Big Supply. Also Large Quantities of

CARNATIONS for McKINLEY DAY

Wednesday, January 29

Current Price List.

SUBJECT TO CHANGE WITHOUT NOTICE.

AMERICAN BEAUTIES	Per Doz.
Specials.....	\$5.00
30 to 36-inch.....	3.00 to 4.00
24 to 28 inch.....	2.00 to 2.50
18 to 20-inch.....	1.50
Short stem.....	Per 100 6.00 to 10.00

PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.	Per 100
Long.....	\$12.00 to \$15.00
Medium.....	8.00 to 10.00
Short.....	4.00 to 6.00

MELODY, long.	12.00 to 15.00
Medium.....	8.00 to 10.00
Short.....	4.00 to 6.00

MRS. AARON WARD.	
Long.....	12.00 to 15.00
Medium.....	8.00 to 10.00
Short.....	4.00 to 6.00

LADY HILLINGDON.	
Long.....	12.00 to 15.00
Medium.....	8.00 to 10.00
Short.....	4.00 to 6.00

RICHMOND.	Per 100
Long.....	\$12.00 to \$15.00
Medium.....	8.00 to 10.00
Good short.....	4.00 to 6.00

KILLARNEY.	
Long.....	\$12.00 to \$15.00
Medium.....	8.00 to 10.00
Good short.....	4.00 to 6.00

WHITE KILLARNEY.	
Long.....	\$12.00 to \$15.00
Medium.....	8.00 to 10.00
Good short.....	4.00 to 6.00
Extra special Roses, charged accordingly.	

VIOLETS, Princess of Wales.....	\$.75
Double, New York.....	.75
Double, Glencoe, home-grown.....	1.00

ROMANS.....	\$3.00 to 4.00
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SWEET PEAS.....	1.00
Long Fancy.....	1.50

VALLEY.....	\$3.00 to \$4.00
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NARCISSUS, Paper White.....	3.00 to 4.00
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CARNATIONS—	Per 100
Fancy.....	\$3.00 to \$4.00
Medium.....	2.00
Splits and Shorts.....	1.00

ORCHIDS,

PERCIVILLIANA.....	per doz., 3.00 to 4.00
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TRIANAE.....	per doz., 4.00 to 6.00
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ONCIDIUMS.....	5.00
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DENDROBIUM FORMOSUM, doz.	3.00 to 4.00
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EASTER LILIES.....	15.00
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JONQUILS.....	3.00 to 4.00
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TULIPS.....	3.00 to 4.00
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ADIANTUM CROWEANUM.....	1.00
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MEXICAN IVY.....	per 1000, \$6.00 .75
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SMILAX.....	16.00
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SPRENGER, PLUMOSUS SPRAYS	\$3.00 to 4.00
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PLUMOSUS STRINGS, extra long and heavy.....	each, .60
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FERNS.....	per 1,000, 2.00 .25
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GALAX.....	per 1,000, 1.25
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LEUCOTHOE.....	per 100, .75
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BOXWOOD, fine bright green (no wood).....per bunch, 25c; per 50-lb. case, 7.50

WILD SMILAX, in 50-lb. cases, (no small cases).....per case, 5.00

SUPPLY DEPARTMENT VALENTINE BOXES

Something New and Unique. Sample Orders Now Ready.
Can be sent by Parcels Post.

Also Corsage Shields, Ties and Pins

Order some of **Waters' Latest Corsage Ties**, the **Butterfly Bow**, in all colors, ready to attach, \$2.00 per dozen. Ask us about them.

Place your order now for an assortment of pretty **Red Baskets** for Valentine Day.

Fancy Cut Flower Boxes and a full line of accessories for the coming season. Give us a trial order now and be convinced that our stock is new and that all orders are shipped promptly. We have a habit of giving satisfaction.

AMERICAN BEAUTIES

Extra Large Supply of Long Stemmed Flowers of Unsurpassed Quality at Very Reasonable Prices. Good Color, Foliage and Stem.

ALSO A GOOD SUPPLY OF KILLARNEY

White Killarney, Richmond, Maryland, Melody and Mrs. Aaron Ward Roses and Carnations

Current Price List.

Subject to change without notice.

AMERICAN BEAUTIES	Per doz.
Extra long.....	\$ 4 00
36-inch stems.....	3 50
30-inch stems.....	3 00
24-inch stems.....	2 50
20-inch stems.....	2 00
18-inch stems.....	1 50
12 to 15-inch stems.....	1 00
Shorts.....	\$ 50 to 75
Richmonds	Per 100
Select.....	\$10 00
Medium.....	6 00 to 8 00
Shorts.....	4 00
Killarney, Special	Per 100
Medium.....	6 00 to 8 00
Short.....	4 00

	Per 100
White Killarney, Special	Per 100
Medium.....	6 00 to 8 00
Short.....	4 00
My Maryland, Special	Per 100
Medium.....	6 00 to 8 00
Short.....	4 00
Sunrise, Select	Per 100
Medium.....	6 00 to 8 00
Short.....	4 00
Roses our Selection	Per 100
Carnations, Fancy.....	3 00
Select.....	1 50 to 2 00
Harrisii Lilies...per doz..	\$1 50

	Per 100
Valley	Per 100
Violets.....	3 00 to 4 00
Sweet Peas.....	75 to 1 00
Paper Whites.....	1 00 to 1 25
Romans.....	2 00 to 3 00
Asparagus, bunch.....	2 00 to 3 00
“ strings, 60c to 75c ea.	
Sprenger.....	2 00 to 3 00
Smilax	Per 100
Mexican Ivy.....	1 50
Galax, bronze and green	75
per 1000, \$1 25	
Leucothoe Sprays	Per 100
Boxwood, per bunch.....	25
Ferns, per 1000.....	\$2 00

Peter Reinberg

30 East Randolph Street

L. D. Phone, Central 2846

CHICAGO

The George Wittbold Co.'s retail department never seems to be idle, for the force is always busy with something or other. Most of the time it is with decorations of some sort but this week it is with funeral work. Their trade extends to all parts of the city and the orders were so widely scattered on January 20 that 14 men were needed on the delivery service that day.

Poehlmann Bros. Co.'s fancy sweet peas in all colors are the leaders at the store this week and measure fully 12 inches in stem. The supply of orchids at this house was never larger than at present and the average daily cut is 600 blooms. The supply department is now headlining Waters' butterfly corsage tie which is something new and bound to be a winner.

Wietor Bros. are having a big demand for American Beauty roses, which are now just coming in crop. N. J. Wietor and party, who are enjoying a visit in the southland have just reached Ocean Springs, Miss., after a delightful stop at Chattanooga, Tenn., and New Orleans, La.

Peter Reinberg is cutting from a new crop of American Beauty roses which are now seen at his store in quantity. The supply of other roses is fair and just about large enough to go around.

At Kennitcott Bros. Co.'s store bulbous stock of all kinds is seen in

large quantities with a fancy grade of tulips the principal offering. Another delayed shipment of boxwood, intended for the holidays, has just been delivered to their store.

Harry Manheim says that Hoerber Bros.' stock is sold at an early hour each day, carnations included. Hoerber's have every reason to feel proud of their Killarney roses for the stock that they are now cutting is of the best quality.

Bassett & Washburn's American Beauty roses are now of very good quality and no trouble is being experienced in disposing of the cut. Lilies, tulips and other bulbous flowers are also seen in large supply here.

Miss Martha Gunterberg and Gus Alles, Tim Matchen, Chas. Drissler and wives attended the Bald-Griffin wedding which was held at Our Lady of Lourdes Church on Wednesday, January 15.

Percy Jones is displaying a fine line of corsage accessories especially adapted for St. Valentine's day. His cut flower department is on deck as usual with all the desired stock in season.

The J. B. Deamud Co.'s tables are filled with "good things" each morning after the shipments of stock have been unpacked, especially with bulbous flowers and carnations.

"Sprinkleproof Sam." Wertheimer Bros.' human bundle of happiness, is

PERCY

Wholesalers of

CUT FLOWERS and FLORISTS' SUPPLIES

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

with us again this week. He is the same young Mr. Seligman but is getting prettier each day.

Phil Schupp reports a good demand for lily of the valley at J. A. Budlong's store, and adds that trade is quite brisk, all things considered.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.

**Siebrecht & Siebrecht, Inc.**

WHOLESALE FLORISTS,

109 West 28th St., NEW YORK.

Phones 608-609 Madison Square.

Lily of the Valley, Gardenias, Orchids, Violets, a Specialty.

Florists and Gardeners' Club

OF HOLYOKE AND NORTHAMPTON.

A well attended meeting of the above society was held on the evening of Tuesday, January 14, at the conservatories of Smith College. The meeting opened at eight o'clock. After the reading of minutes of the previous meeting, two were admitted to membership and three others were nominated. The question of having a banquet was next discussed. It was decided to have one in Northampton on a date to be fixed at our February meeting. At this point of the meeting, G. H. Sinclair at the close of a graceful speech presented on behalf of the members a handsome pair of cuff links to the retiring secretary, F. G. Bartlett, for faithful and efficient service. This was followed by the reading and discussing of essays.

The subjects chosen were "The Retail Trade," by D. J. Gallivan of Holyoke, and "Heating," by Prof. Whiting of Amherst Agricultural College. Mr. Whiting spoke of the advantages and disadvantages of steam and hot water, but personally felt that the method of heating by steam was by far the best and most economical. —Radcliffe of Elmwood told an interesting story of the culture of the aster. After plowing the land, he harrows in a dressing of lime and at planting time he places a handful of finely broken tobacco stems under each plant, stimulating later with a slight application of nitrate of soda, if he thinks necessary. No other fertilizers are used. Francis Canning and Frank Barnard were highly complimented by the members for the very fine specimen of the Staghorn fern exhibited by them, which received the society's highest award. The members were also very interested to see one of the true rubber plants, *Castilleja elastica*. The next meeting will be at the greenhouses of the Amherst Agricultural College, Tuesday evening, February 11.

FRANK BARNARD, Sec'y.

Columbus, O.

PRICES ARE CUT.

In spite of the inclement weather the cut flower supply does not seem to be affected. There are plenty of flowers of all kinds. There has been a severe cut in prices. Carnations were moved last week at a much lower figure. Roses were selling well and were more in demand than carnations.

NOTES.

Governor Cox's inaugural festivities, held the week of January 13, furnished an outlet for a part of the large amount of stock on hand. Sweet peas for corsage work and white carnations for decorations were especially in demand.

The Riverside Floral Co. had a big rush for white carnations on January 17, which was Mother's Day. At the revival services held here by "Billy" Sunday.

Wilson's Seed Store held its first special sale January 19. Enormous quantities of carnations and roses were disposed of.

The trade extends its sympathy to Miss Howard of Howard & Co., in the recent death of her mother.

Joe Hellenthal says funeral work has been very heavy for the past week.

Wholesale Flower Markets

NEW YORK, Jan. 22.		Per 100
Roses, Beauty, special.	50 00	75 00
.. extra and fancy	30 00	40 00
.. No. 1 and No. 2	2 00	10 00
Bride, Bridesmaid special.	5 00	6 00
.. extra and fancy	3 00	5 00
.. No. 1 and No. 2	1 00	3 00
Killarney, My Maryland..	6 00	10 00
.. special	4 00	6 00
.. extra	4 00	6 00
.. No. 1 and No. 2	1 00	3 00
Hillingdon, Aaron Ward	12 00	15 00
.. Richmond	5 00	15 00
Sunburst, special.	6 00	10 00
Taft, special.	15 30	20 00
Mrs. Geo. Shawyer, special	15 00	25 00
Carnations	1 00	3 00
Jonquils	2 00	4 00
Cattleyas	25 00	50 00
Gardenias	10 00	25 00
Rubrams	10 00	10 00
Tulips	2 00	4 00
Lilies, Longiflorum and Harrisii	6 00	8 00
Lily of the Valley	2 00	4 00
Narcissus, Paper White	1 00	1 50
Sweet Peas, per doz, bunches,	50	1 00
Violets	35	40
Adiantum Croweanum	15	50
Asparagus Plumosus, doz, bchs,	1 50	3 00
Smilax	1 00	1 50

Wm. Brust, the West Side florist, has been very busy with bouquet work for the last week. L. S. B.

Buffalo.

TRADE NOT BRISK.

The last week has been more like the breaking up of winter than what we had in January last year. Trade conditions are not what could be called brisk. The supply of stock is equal to all demands. American Beauties and Richmond roses are somewhat scarce.

NOTES.

The florist that has a greenhouse at the present time with any degree of good management, can keep his store well filled with flowering plants and when prettily trimmed together with the ability of the salesman, can sell them in preference to roses, carnations and many other cut flowers to be used for certain purposes. Lilies, azaleas, cyclamens and primrose plants are good and can be found in almost all the stores. "Bargains in rubber plants" was the way a sign in one of the local flower stores read recently.

Stephen Greene, representing H. Bayersdorfer & Co., Philadelphia, Pa., called last week and got acquainted with Buffalo live ones.

Bargain sales in violets for Saturday will be the attraction for the next four weeks.

We are sorry to report the illness of Edward Slattery, manager for W. J. Palmer.

S. A. Anderson and family sailed on Saturday for Bermuda.

W. F. Kasting has returned from a western trip. BISON.

Albany, N. Y.

Some fine red hyacinths, rather early for this market, are being put out in the local trade by James G. Barrett of Troy. The stock is on display in a number of the windows of the principal retailers.

Local florists are commenting upon Albany as a flower trade center and say that the visits of the traveling salesmen from the big cities are much

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 28th Street,

Telephone No. 756
Madison Square.

NEW YORK

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

N. Y. Cut Flower ExchangeCoogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.**HORACE E. FROMENT**

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St., NEW YORK.

CUT FLOWERS

WHOLESALE PLANTS MEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.**Paul Meconi**

Wholesale Florist

55-57 West 26th Street

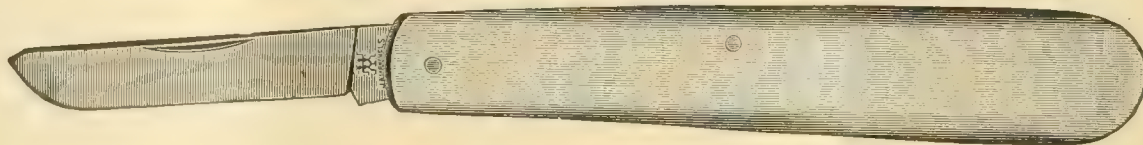
NEW YORK CITY

Telephone: 3864 Madison Square

more frequent than four or five years ago. Men who came here about twice a year now call every month or every other month. R. D.

NEWPORT, R. I.—Special prizes will be offered by members of the Newport summer colony as a feature of the joint flower show of the Newport Horticultural Society and the Garden Association in June. The Horticultural Society is comprised principally of gardeners from the estates of summer residents, while the Garden Association was organized last summer by members of the summer colony itself.

This Budding Knife Free



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employees. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employees) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.

Rice's Record Goods Have the "Selling Punch"

We Have Anything You Want in Red.

M. RICE CO.

THE LEADING FLORISTS' SUPPLY HOUSE AND
RIBBON SPECIALISTS.

1220 Race Street

PHILADELPHIA, PA.

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

We are now filling orders for

Southern Wild Smilax

Natural and
Perpetuated Sheet

MOSSES

E. A. BEAVEN, Evergreen, Ala.

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50

A most pleasing substitute for Green Wild Smilax
New crop Fancy and Dagger Ferns now ready.
Write, wire or phone.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN, ALABAMA.

CUT FERNS, Best Quality

1,000 at \$1.25,

2,000 at \$2.40,

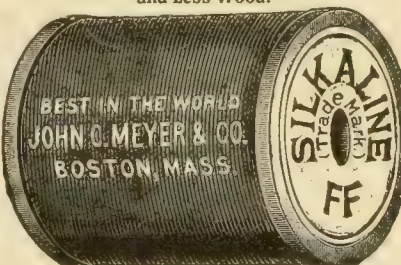
5,000 or over \$1.10 per 1000

Robert Groves, 127 Commercial St.
ADAMS, MASS.

SOUTHERN WILD SMILAX

New crop now ready Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

Do Not Take Any Fake Green Thread. Use the
Genuine Silkline and Get More Thread
and Less Wood.



JOHN C. MEYER & CO.,

Lowell Thread Mills,
1495 Middlesex St.,

Lowell, Mass.

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes

The MEYER Green

SILKLINE

Used by Retail Florists for mossing funeral
designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it
will not fade or rot in the greenhouse. The Meyer
Silkline was the first green thread to be introduced
among Florists and Growers. It is handled by the
best houses everywhere, but it should be ordered by
name—Meyer's Silkline—to be sure of getting the
genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the
manufacturers. Price for any size or color, \$1.25 per
lb. Sizes "F" fine, "FF" medium, and "FFF" coarse.



FANCY FERNS, \$1.75 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

ATTENTION RETAILERS! No Jobbers' Profit Added to These Prices.

Direct from the
Mountains to YOU.

	Per 1000	Per case		Per 1000	Per case
Green and Bronze Galax.....	50c	\$4.00..(10,000)	Green Leucothoe (Long)....	\$2.00	3.50..(2,000)
Dagger Fern.....	70c	3.25..(5,000)	Green Leucothoe (Short)...	1.00	1.75..(2,000)
Fancy Fern.....	65c	3.00..(5,000)	Rhododendron Leaves.....	50c	2.00..(5,000)

ELK GALAX & FERN COMPANY.

Terms Cash. Prompt Shipment. No orders
too small to have our attention.

BEST REFERENCES. BANNERS ELK, N. C.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

DULUTH, MINN. ➔

2 STORES 2

➔ SUPERIOR, WIS.

J. J. LEBORIUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave., Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.

Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Terre Haute, Ind.

John G. Heint & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail,
Telephone, Telegraph and Cable orders with
best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.

623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

January 23.

FROM PORTLAND, Corinthian, Allan,
La Provence, French, 10 a. m., Pier 57, North
River.

Battle, White Star, 12 noon.
K. Auguste Victoria, Ham.-Amer., 9 a. m.
C. F. Tietgen, Scand.-American, 2 p. m.

January 24.

FROM ST. JOHN, Tunisian, Allan.
FROM ST. JOHN, Steamship, Can. Pacific, 12
noon.

January 25.

FROM HALIFAX, Tunisian, Allan.
Caledonia, Anchor, 10 a. m., Pier 64, North
River.

FROM PHILADELPHIA, Merion, American, 10
a. m.
Majestic, White Star, 12 noon.
Czar, Russian-American, 12 noon.
Asiatic Prince, Prince.
Glenetive, Norton.

January 26.

FROM PHILADELPHIA, Prinz Oskar, Ham-
Amer., 11 a. m.

January 28.

Noordam, Holland-American, 10 a. m.

January 30.

Caronia, Cunard.
Pennsylvania, Ham.-Amer., 1 p. m.
Prinz Friedrich Wilhelm, North Ger. Lloyd,
10 a. m.

January 31.

FROM ST. JOHN, Hesperian, Allan.
Kasama, Norton.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to
any part of the United States, Canada
and all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Reference or Cash must accompany all orders
from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater
orders. Prompt delivery and best
stock in the market.

Dallas, Texas.

The Texas Seed and
Floral Company

Orders for cut flowers and designs solicited to
delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and I Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.
Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery
Mention the American Florist when writing

Kansas City, Mo.

**WILLIAM L. ROCK
Flower Co.**

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Boston, Mass.

**"Penn, The Telegraph Florist"**

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Omaha, Neb.

**Hess & Swoboda
FLORISTS,**1415 Farnum St. **TELEPHONES**
1501 and L 1582

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Carbone, Phillip L., Boston.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Hoffman, 59 Mass Ave., Boston.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Ostertag Bros., St. Louis.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Parker, John L., Birmingham, Ala.
Pelicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Snakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Williams, Mrs. E. A., Pittsburg.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

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Mention the American Florist when writing

**WASHINGTON
D. C.****Gude's**

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Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Indianapolis, Ind.

**Bertermann Bros. Co.
FLORISTS**

241 Massachusetts Avenue.

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Mention the American Florist when writing

Denver, Colo.

**The Park
J. A. VALENTINE, President.
Floral Co.**

Members Florists' Telegraph Delivery.

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

**PELICANO, ROSSI & CO.,
123 KEARNY ST.**

Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Mention the American Florist when writing

M. C. Bowe

IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones.

Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE



Montreal

McKenna

Cor. St. Catherine and Gay Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists'
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Birmingham, Ala.—John L. Parker.
Boston—Phillip L. Carbone.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City.—Geo. M. Kellogg, F. & P. Co.
Kansas City.—Samuel Murray.
Kansas City.—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles.—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio.—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schilling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburg—Mrs. E. A. Williams.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schnectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—Ostertag Bros.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pelicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Heini & Son.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Blackstone.
Washington—Geo. H. Cooke, Conn. Ave. and I.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to
orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main, 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**
66 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Schiller The Florist
222-2223 W. Madison St.
CHICAGO

All orders carefully filled under the supervision of
GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Reim)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

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L.W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave
Phone 5297 Plaza.

Max Schling

NEW YORK
No. 22 West 59th Street
Adjoining Plaza Hotel

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.

Jefferson and Washington Ave.

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Kansas City, Mo.

**Geo. M. Kellogg
Flower & Plant Co.**

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Newark, Ohio.

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

Omaha, Neb.

The Christmas trade, according to Hess & Swoboda, was 40 per cent greater than in 1911. The fine weather is credited with much of the increase. Very little wrapping was necessary. Flowers were plentiful, of good quality and everything sold. Potted plants, especially poinsettias, went well. Plant baskets sold readily as did holly and boxwood. Palms, ferns and araucarias sold better than ever before. New Year's day was fully as good as a year ago.

NOTES.

We have been having some real winter. Coal seems to advance in price every year. Two years ago we paid \$2.40 a ton for coal, last year \$2.85 to \$3.00 and this year \$3.45 to \$3.65. Flowers remain at the same price, however.

The department stores sold carnations for 15 cents a dozen January 4. Such prices are suicidal for the grower. They may be all right before the plants are thrown out of the houses in June or July, but not in January.

J. J. Hess has been sick with grippe, but is much improved. The Hess & Swoboda Co. cut 4,800 carnations December 23, 3,000 the next day and 2,000 on Christmas. All were sold.

Business since New Year's has been good. Stock seems plentiful but prices are firm. Violets are coming in more freely but find a ready market.

J. J. H.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Mention the American Florist when writing

Louisville, Ky.

**F. Walker & Co.,
FLORISTS**

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

Mention the American Florist when writing

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838—CANAL ST.

Mention the American Florist when writing

Washington, D. C.

Blackstone

14th and H. Street.

Mention the American Florist when writing

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.

Mention the American Florist when writing

Boston, Mass.

Philip L. Carbone

IMPORTER, FLORIST, AND DECORATOR

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

J. C. VAUGHAN, Pres.

L. H. VAUGHAN, Vice-Pres.

CARL CROPP, Sec'y-Treas.

VAUGHAN'S BOOK FOR FLORISTS

Spring 1913 Ready

The most complete right-priced list of all
Seeds, Bulbs, Plants and Supplies
 needed or profitably handled by Florists.

☐ Mail us a postal card; we want to put this Book in your hands now.
 Read it, hang it up for weekly reference; then read it some more.

Vaughan's Seed Store, P. O. Drawer V, CHICAGO.
 25 Barclay St., NEW YORK.

Better Understanding

Of our firm, its products, and its methods of doing business means to you, the buyer, Better Service, Better Goods, and Better Satisfaction. Our aim is to produce quality in quantity at reasonable prices.

Better business to us means better employes and to them a better living. We guarantee that you get 100 per cent of what you order in a quality that will be satisfactory to you as a buyer and to us as producers.

Selling job lots at low prices is not a business and there is no standard of quality in job lot buying. From us you get a guaranteed quality at a price fair to the buyer and at which there is a reasonable profit and an insurance against damage in transit. Our goods are insured to you against loss. Producing young stock is a business and job lots at low prices are left-overs and culls.

**Our Catalogue of ROSES, CARNATIONS, CHRYSANTHEMUMS
 and BEDDING STOCK is yours for the asking.**

A. N. PIERSON CO., Inc.
CROMWELL, CONN.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

FRENCH bulb growers complain January 6 of lack of rain up to that date.

ALBERT DICKINSON and wife, of Chicago, will make a trip to Europe in March.

THE recent freezing weather in California will, it is thought, cut short the supply of California Asparagus plumosus nanus seed.

VENTURA, CALIF., January 18.—We have had two and one-half inches of rain which insures a good crop of most of the products of this vicinity.

ROCKY FORD, COLO.—Local seedsmen are favorably impressed with the parcels post and expect to use that means of delivery in preference to the express.

ALEX. FORBES, for many years identified with Peter Henderson & Co., New York, has secured the controlling interest in J. F. Noll & Co., Newark, N. J.

PALO ALTO, CALIF., January 18.—We have just had two inches of rain here, with promise of more, which will materially improve seed crop prospects if followed by warm growing weather.

TOPEKA, KANS.—F. W. Barteldes, of Lawrence, J. G. Peppard, of Kansas City, and other representative seedsmen to the number of about a dozen were here January 18 in the interest of the seed trade to consult with the committee in charge of the new state seed law.

THE low price of California onion bulbs grown on contract caused the seed growers who owned these to put most of these onions into the ground to grow seed instead of selling same on the market as they sometimes do. The result of this may make some overstock of flat varieties for next year.

ALPENA, MICH.—The Sioux City Seed & Nursery Co. has filed suit against the Detroit & Mackinac Railway Co. for \$10,000 damages it alleges was done to its interests by the building of a new station. The seed firm is located just west of the new building, which the complaint sets forth prevents vehicles from reaching the factory directly.

Visited Chicago: L. W. Wheeler, of the Pieters-Wheeler Seed Co., Palo Alto, Calif.; J. C. Bodger, of John Bodger & Sons Co., Los Angeles, Calif.; A. B. Haven, of the Haven Seed Co., Santa Ana, Calif.; A. J. Brown, Grand Rapids, Mich.; Chas. N. Page, Des Moines, Ia.; Chas. P. Guelf, representing the Jerome B. Rice Seed Co., Cambridge, N. Y.; E. O. Pieper, representing the Braslan Seed Growers' Co., San Jose, Calif.; C. Kimberlin, of the Kimberlin Seed Co., Santa Clara, Calif.; W. J. Fosgate, Santa Clara, Calif.; J. W. Edmundson, of the California Seed Growers' Association, San Jose, Calif.; J. S. Michael, of the Sioux City Seed & Nursery Co., Sioux City, Ia.

American Seed Trade Association.

A meeting of the executive committee of the American Seed Trade Association was held at the Hotel Ponchartrain, Detroit, Mich., January 20. The following were in attendance: President Chas. N. Page, Des Moines, Ia.; Kirby B. White, Detroit, Mich.; Chas. D. Boyles, Chicago; W. D. Ross, Worcester, Mass.; C. N. Keeney, Le Roy, N. Y.; and Secretary C. E. Kendel, Cleveland, O. Cleveland was chosen as the place for the annual convention next June.

New Postal Regulations.

Third assistant postmaster general. James J. Britt, issued the following affecting seeds, bulbs, plants, etc., January 17:

"Fourth class matter inclosed in boxes to which the lids are nailed or screwed may be accepted for mailing at the fourth-class rates of postage if, with reasonable effort, the lids can be removed for the purpose of permitting examination of the contents. It would appear that in cases where the lids of boxes are fastened in the manner indicated, they may be easily removed by the use of a chisel, screwdriver, or other suitable instrument, and as easily replaced. Postmasters are cautioned to exercise care in replacing the covers or wrappers of parcels which have been opened for inspection, so that the contents of the parcels may not be injured or lost in transit.

"Seeds, cuttings, bulbs, roots, scions and plants, although chargeable with the special rate of one cent for each two ounces or fraction of two ounces, regardless of distance, are fourth-class matter, and postage on them must be prepaid by parcel post stamps. Samples of grain, potatoes, beans, peas, etc., sent for purposes other than planting, are chargeable with the regular fourth-class rates of postage, which are set forth in Section 3, Parcel Post Regulations.

"When it is desired to send merchandise as first-class matter, under ordinary postage stamps, the packages should be sealed or otherwise closed against inspection, in order to avoid any confusion in the mails as to their proper classification.

"Hereafter ordinary postage stamps must be used in payment of postage

on parcels and other mail matter addressed to foreign countries, including Canada, Cuba, Mexico and the republic of Panama. Parcel post stamps must not be affixed to mail matter of any kind whatever addressed to any foreign country."

Disclaimer Again Holds Good.

In a suit brought against the Page Seed Co., Greene, N. Y., the New York supreme court holds that though the stock delivered was not true to name, the seller was not responsible. The action was brought on an alleged breach of warranty in the sale of peas. According to the evidence, Peter H. Platts bought of the Page firm fifteen bushels of peas of the Duke of Albany variety in February, 1911, and again in June, 1911, five more bushels of the same variety. It developed that the peas were purchased for Faye E. Van Voorhis, who brought the suit.

The crop did not prove satisfactory and the contention of the plaintiff was that the seeds were not of the variety claimed. The company attempted to settle out of court to avoid suit, but was unsuccessful. It then decided to stand trial on the non-warranty or disclaimer clause and its contention was upheld. It was claimed that Platts, who acted as agent for Van Voorhis, was aware of the non-warranty clause under which the peas were sold and that Van Voorhis was therefore chargeable with the same knowledge.

CHICAGO.—Prices on the Board of Trade January 22, for grass seed were noted as follows: Timothy, \$3 to \$4.25 per 100 pounds.

Established 1810.

Denaiffe & Son,
CARIGNAN, NORTHERN FRANCE,

Growers on Contract
Highest Grade Seeds.

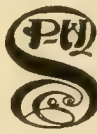
Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Peas and Beans
GROWERS
Importers and Exporters
Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers
SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS

Quality in Young Stock

NEW ROSES.

MILADY and MRS. GEO. SHAWYER

Grafted per 100, \$30.00 Per 1000, \$250.00
Own Root " " 30.00 " " 250.00

KILLARNEY QUEEN and DOUBLE WHITE KILLARNEY

Two new Roses of last season.

Grafted per 100, \$20.00 Per 1000, \$150.00
Own Root " " 12.00 " " 100.00

CARNATION CUTTINGS.

ROSETTE, ST. NICHOLAS, BENORA

Rooted Cuttings per 100, \$6.00 Per 1000, \$50.00

BEACON

Rooted Cuttings per 100, \$3.50 Per 1000, \$30.00

MRS. CHAS. RUSSELL

Grafted per 100, \$35.00 Per 1000, \$300.00
Own Root " " 30.00 " " 250.00

KILLARNEY, WHITE KILLARNEY, MY MARYLAND, DOUBLE PINK KILLARNEY, MRS. TAFT (Rivoire) RADIANCE, MRS. AARON WARD, LADY HILLINGDON, RICHMOND

Grafted per 100, \$15.00 Per 1000, \$120.00
Own Root " " 7.50 " " 60.00

CHRYSA nth EMUMS.

The Best Commercial Varieties in Existence.

CHRYSO LORA, UNAKA, CHADWICK SUPREME, DECEMBER GEM, CHAS. RAZER, W. R. BROCK

Rooted Cuttings, \$4.00 per 100, \$30.00 per 1000. 250 of a variety at the 1000 rate.

New varieties and a list of the best commercials given in full in our catalogue.

POMPONS

FAIRY QUEEN, the best pink; HELEN NEWBERRY, the best late white, from 2¼-inch pots, \$6.00 per 100, \$50.00 per 1000

TO COVER THE SEASON CONSIDER THE LIST BELOW AND SEND IN YOUR ORDER.

WHITE—Nio, Baby Margaret, Diana. YELLOW—Overbrook, Mertsham Tints, Baby, Quinola, Souvenir d'Or (Mrs. Frank Ben). PINK—Eleganta, Alena, Minta, Alma. BRONZE YELLOW—Miss Julia, Allentown. RED—Rufus, Lyndhurst, Julia Lagravere. From 2-in. pots, \$3 per 100, \$25 per 1000. 5 varieties at the 100 rate; 250 at the 1000 rate

SINGLES. A collection of the twelve best varieties for cut sprays.

BEDDING STOCK—COLEUS in quantity, SALVIA, ALTERNANTHERA, HELIOTROPE, AGERATUM, ACHYRANTHES.

No order too large for our wholesale department. Use printed stationery or enclose your card. Wholesale prices to the trade only.

A. N. PIERSON, Inc., Cromwell, Conn.

...NEW ROSE...

"Mrs. Charles Russell"

OWING to the great demand for plants, our root stock is all sold out until later in the season, but grafted plants may still be had in quantity, as we have 12000 growing in our houses from which to make stock. Orders will be filled strictly in rotation.

Prices on Grafted Stock:

12	100	250	500	1000	2500	5000
\$7.50	\$35.00	\$82.50	\$150.00	\$300.00	\$687.50	\$1250.00

WABAN ROSE CONSERVATORIES, Natick, Mass.

Miscellaneous Plants

Smilax, 2-in., per 100, \$1.00. Dracaena Indivisa 2-in., per 100, \$2.00. New Double Daisy, Mrs. F. Sander, 2-in., per 100, \$2.00. Cryptomeria Japonica, 2-in., per 100, \$5.00. Asparagus Plumosus, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

ROOTED CUTTINGS.

	Per 100	Per 1000
Verbenas.....	\$0.70	\$ 6.00
Ageratums.....	.60	5.00
Heliotrope, Daisies, Salvias..	1.00	8.00
Feverfew, Petunias.....	1.25	10.00
Coleus.....	.70	6.00
Alyssum, Double.....	1.00	8.00
Cash with orders. Express Paid. Write		

S. D. Brant, Clay Center, Kans.

Mention the American Florist when writing

T^BR^eO^sE^tS^s

THE LEEDLE FLORAL COMPANY.
SPRINGFIELD, OHIO.

Mention the American Florist when writing

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelities my Specialty

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100. Boston and Whitman Ferns, 3-in., 10c; 4-in., 15c; 5 in., 25c. Dracaena Ind., 3-in., \$5.00; 4-in., \$4.00; 5-in., \$25.00 per 100. Vinca Var., 2-in., 2c. Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus Plumosus, 2-in., \$3.00 per 100. Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

The Early Advertisement Gets There.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

WICHITA, KANS.—W. F. Schell, of the Wichita Nursery Co., will increase his nursery stock at Winfield to two million trees.

TROY, O.—David Wood, a local nurseryman, died suddenly of apoplexy at Beaver Falls, Pa., a few days ago. He was 40 years old and is survived by a widow.

NEW ORLEANS, LA.—The Metairie Ridge Nursery Co., Harry Papworth, president, has secured the contract of improving the grounds of the state capitol.

Alabama State Horticultural Society.

The Alabama State Horticultural Society meets in tenth annual convention at Bay Minette January 23-25. The guests will be welcomed by Judge J. H. H. Smith, after which there will be an address by President J. H. McCary, Birmingham. The annual report of the state vice-presidents, the appointment of committees and the secretary's report will follow.

The programme on Thursday includes the following papers: "Citrus Insects and Control," Dew, Auburn; "Commercial Possibilities of the Satsuma," Dr. H. E. Scott, Battles; "Kinds of Fruit Trees to Buy," Henry Chase, Huntsville; "Important Features in Peach Growing," J. R. Hilton, Knoxville, Tenn.; "Pecans," Mrs. Thos. A. Banning, Robertsedale; "Sand Pears," R. S. Scott, Citronelle. Thursday evening there will be an illustrated lecture by Dew.

Friday's session will be marked by a number of papers of unusual interest, the complete list being as follows: "Marketing Vegetables," Geo. A. Maloney, Mobile; "Some Controlling Factors in Fruitfulness," Dr. E. P. Sandsten, Auburn; "Truck Diseases," Dr. F. A. Wolfe, Auburn; "Trucking on New Lands," L. T. Rhodes, Bay Minette; "Fertilizer Experiments with Sweet Potatoes," Prof. J. F. Dugger, Auburn; "Alabama as a Horticultural State," Capt. R. F. Kolb, Montgomery; "The Country Home," H. M. Conolly, Auburn; "Bulb Growing," L. H. Read, Deer Park; "Insects on Ornamentals," H. P. Loding, Mobile; "Citrus Trifoliata as a Hedge Plant," I. C. Beatty, Birmingham; "Spraying and Spray Machinery," Prof. J. C. C. Price, Auburn; "Budding and Grafting," J. M. Stover, Bay Minette; "Business Principles in Marketing," Frank L. Fesler, Foley; "Association's Method in Selling Produce," Chas. A. Boller, Foley; "Fruit and Truck Packages," J. H. McCary, Birmingham.

There will be pruning and spraying demonstrations Saturday.

—For the Best New and Standard—
DAHLIAS

—Address—

Peacock Dahlia Farms.

P. O. Berlin, N. J. Williamstown Junc., N. J.



Tuberous Rooted Begonias

	Doz.	100	1000
Single sorts—white, scarlet, yellow, pink			
Single sorts—mixed	.40	\$2.50	\$22.00
Double "—white, scarlet, yellow, pink	.35	2.25	20.00
Double sorts—mixed	.65	\$4.50	\$40.00
	.60	4.00	37.50

Gloxinias

Grassifolia Grandiflora

All the spotted and Tigred variations in sound bulbs.

	Doz.	100	1000
Separate colors	.60	\$3.50	\$30.00
Choice mixture	.50	3.20	28.00

Spiraea Clumps

	Per 100
Gladstone	\$ 8.00
Floribunda	6.00
Japonica	5.00

Lilies

	Per 1000
Giganteum, 7-9	\$35.00
" 9-10	90.00
Multiflorum, 7-9	45.00

Vaughan's Seed Store

CHICAGO

NEW YORK

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

MANETTI STOCKS.

Well rooted. English Crown Manetti Rose stocks, especially selected for Florist's grafting.

5 to 8 m-m.....\$12.00 per 1,000 3 to 5 m-m.....\$10.00 per 1,000

Duty paid. We are filling orders NOW; can take care of a few more late buyers. Are YOU supplied? Send us your order. Shall we ship by freight or express?

JACKSON & PERKINS CO., Newark, New York

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids. Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Robert Craig Co...

High Class PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

GODFREY ASCHMANN,

1012 W. Ontario Street,
PHILADELPHIA, PA.

I HAVE TO OFFER YOU:

Araucaria Excelsa. Our Specialty, in fine condition, 5, 5½, 6-inch pots, 14 to 30 inches high, 40c, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50. **Azaleas**, in bloom now, Vervaneana and other colors, 75c, \$1.00, \$1.25 to \$1.50. For Easter blooming, assorted colors, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. **Kentia Forsteriana**, single, 25 to 50 inches high, 75c, \$1.00, \$1.50, \$2.00, \$2.50; made-up of 4, center plant 50 inches, 3 smaller around, \$2.50, \$3.00 and \$4.00. **Belmoreana**, 6-inch, 50c to 75c; 4-inch, 25c. **Draecena Terminalis**, 4 and 5½-inch, 25c, 35c, 40c. **Ficus Elastica**, 5½ and 6-inch, 30c, 40c and 50c. **Ferns**, Scotti, Whitmani, Scholzei, Boston, Giatrasi, 5½, 5½, 6 and 7-inch, 30c, 40c, 50c, 60c, 75c to \$1.00. **Begonias**, Gloire de Lorraine and Cincinnati, in bloom, 5½ and 6-inch, 40c, 50c, 60c, 75c to \$1.00. **Cyclamen**, 4 and 5½-inch, 25c 30c, 40c and 50c. **Primulas**, Obconica grandiflora and Chinese in bloom, 5½-inch \$2.00 to \$2.50 per doz.; 4-inch Obconica, 10c and 15c. **Jerusalem Cherries**, 6-inch, 25c to 35c. **Cocos Weddelliana**, 3-in., 15c, 18c, 20c. **Cyr. Falcatum** or Holly fern, 4-inch, 20c and 25c; assorted, 2½-inch Dish Ferns, \$4.00 per 100. **Asparagus Sprengeri** and **Plumosus**, 4-inch, 10c; 2½-inch, 4c; 3-inch, 6c. **Aspidistras**, green and variegated, 6-inch, 75c, \$1.00 and \$1.25. **Hydrangea Otaksa**, for Easter forcing, 6-inch, 25c, 35c, 50c. The genuine **Lilium Multiflorum**, raised from selected bulbs, 4-inch readyto shift, 20c and 25c. **Cash with order please.**

"Get them at Dreer's" PALMS FOR DECORATING.

Our stock of Kentias, both for retailing as well as for decorating, is exceptionally complete for this season of the year and we particularly wish to call your attention to the sizes listed below, with the values of which we are certain you will be well pleased.

Kentia Forsteriana—Bushy Made up Plants.

5-inch pots.	4 plants in a pot.	20 to 24 inches high.	Each.	\$.75
7- " "	3 " "	36 " "	" "	2.50
7- " "	3 " "	33 " "	" "	3.00
8- " "	3 " "	40 to 42 " "	" "	4.00
8- " "	3 " "	4 to 4½ feet high.	" "	6.00
9- " "	3 " "	4½ to 5 " "	" "	8.00
10- " "	3 " "	5 to 5½ " "	" "	10.00
12- " "	3 " "	5½ to 6 " "	" "	15.00
13- " "	4 " "	6½ to 7 " "	" "	20.00
15- " "	4 " "	7 " "	" "	25.00

Kentia Forsteriana—Single Plants.

5-inch pots.	6 leaves.	22 to 24 inches high.	Each.	\$.75
6- " "	6 " "	28 to 30 " "	" "	1.00
6- " "	6 " "	34 to 35 " "	" "	1.50
7- " "	6 to 7 " "	36 to 40 " "	" "	2.00
7- " "	6 to 7 " "	40 to 42 " "	" "	3.00
8- " "	6 to 7 " "	45 to 48 " "	" "	4.00
8- " "	6 to 7 " "	4 feet high.	" "	5.00
11- " "	7 to 8 " "	5 to 5½ " "	" "	8.00
11- " "	7 to 8 " "	5½ to 6 " "	" "	10.00
12- " "	7 to 8 " "	6 " "	" "	15.00

Kentia Belmoreana—Single Plants.

5-inch pots.	6 to 7 leaves.	18 to 20 inches high.	Each.	\$.75
6- " "	6 to 7 " "	24 " "	" "	1.00
6- " "	6 to 7 " "	28 to 30 " "	" "	1.50
7- " "	6 to 7 " "	30 to 36 " "	" "	2.50
8- " "	6 to 7 " "	45 to 48 " "	" "	5.00
11- " "	7 to 8 " "	4½ feet high.	" "	8.00
12- " "	8 to 10 " "	5½ " "	" "	10.00

For the most complete list of other Palms, as well as for a full line of all seasonable stock, see our current wholesale list, a copy of which will be sent on application if you have failed to receive one.



HENRY A. DREER, Inc.

714 Chestnut Street,

PHILADELPHIA, PA.

The above prices are intended for the trade only.

Hydrangeas

Pot Grown for Forcing.

ALL IN 6-INCH POTS

Otaksa, with 5 and 6 branches.	\$20 00
Otaksa, with 4 branches.	15 00
Otaksa, with 3 branches.	12 00
Otaksa, with 2 branches.	10 00
Thos. Hogg, with 5 and 6 branches	20 00
Souvenir de Claire, with 7 and 10 branches.	25 00

Now Ready for Delivery

Shall we send by freight or express?

Jackson & Perkins Co.

WHOLESALE ONLY

Florists and Nurserymen

Newark, - New York

**Budding Knife
Free
See Page 24.**

Rooted Carnation Cuttings

BIG VALUE AT THE PRICES QUOTED:

Beacon, White Enchantress, Enchantress, Rose Pink Enchantress and White Perfection, \$2.50 per 100; \$17.50 per 1,000.

Rooted Rose Cuttings

White and Pink Killarneys, \$3.00 per 100; \$27.50 per 1000. Richmond, \$1.75 per 100; \$15.00 per 1000. Mrs. Aaron Ward, \$4.00 per 100; \$35.00 per 1000.

PETER REINBERG

30 East Randolph Street

CHICAGO, ILL.

DAHLIAS

Standard and New Cut Flower Varieties

Lindhurst Farm
Hammonton, N. J.

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Mention the American Florist when writing

Pittsburg.

ROSE SUPPLY SHORT.

The bad weather is still with us, but it doesn't seem to have much effect on the supply of cut flowers, except roses, which are running very short. American Beauties are another scarce article, but there is not much call for them anyway. Lilies are coming in very strong and are also of fine quality. Roman hyacinths have become a drug on the market, as nobody seems to care for them. Sweet peas continue to be the leaders here. Some of the finest ever seen in the city are arriving by the thousands. There is the usual good supply of violets, daisies, mignonette, white lilac, daffodils and valley. A little freezia is seen, but does not amount to much.

NOTES.

We had a very strong windstorm Saturday, which played havoc with windows and everything else not nailed or screwed down. It reached a velocity of 56 miles an hour for a short period and took the plate glass in one of the McCallum Co.'s doors along with it.

The A. T. Lorch Co., the carnation specialists of De Haven, are consigning some fine carnations, especially White Lawson, to the McCallum Co.

Jos. Thomas of Greensburg was in town last week, and reports a very heavy run on funeral work, cleaning up every flower he had in sight.

A. F. Morrison, the chrysanthemum grower of Mars, was in town Friday, talking over plans for next season.

The Pittsburg Florists' Exchange has temporarily discontinued the handling of cut flowers.

The Empire Floral Co. has opened a store on Sandusky (formerly Seventh) street.

Mrs. E. M. Niggel, who has been sick, is now regaining her former health.

Chas. Puhlman reports that his winter crop of sweet peas will be on soon.

Miss Tillie Kyle is visiting friends in Cleveland.

J.

Nashville, Tenn.

TRADE VERY QUIET.

The trade has been more quiet the last few days than at any time since the holidays, only funeral work serving to keep the florists busy. The supply has been fine and all kinds of stock very good. Roses are a little off crop, but carnations are unusually good and plentiful. The florists' windows are full of blooming potted plants. Violets are plentiful and of very fine quality, and there seems to be plenty of lily of the valley. Easter lilies are also plentiful. Narcissi and Romans are in fine condition and abundant enough to supply all demands.

NOTES.

Geny Bros. are making a fine cut of carnations and their roses are just beginning to come in again after a rest.

McIntyre Bros. have some fine sweet peas. Their new store has proved very successful.

L. Haury & Sons also have sweet peas and violets as well as fine potted plants.

The Joy Floral Co. has a fine lot of orchids.

M. C. D.

ORANGE, N. J.—The eighteenth annual dinner and dance of the New Jersey Floricultural Society was held here January 15. The entertainment committee was composed of John Der- van, chairman; Wm. Reid, Frank Drews, George B. Wilson, Geo. H. Wright and Geo. Strange.

Vaughan's Choice Forcing Stock

AZALEAS MOLLIS.

Each	Doz.	100
Bushy, full of buds.....	\$0.50	\$5.50 \$36.00

DEUTZIA GRACILIS.

8-in. pots, 70-80 flowering branches.....	Each	Doz.	100
	\$0.30	\$3.00	\$20.00
6-in. pots, smaller stock, good value.....		.20	2.00 15.00

HYDRANGEAS FOR FORCING.

Imported pot-grown stock, 6 to 7-in. pots.

The four new varieties here are the best on the market. A trial will convince.

Avalanche. Pure white.

Mme. Emile Mouilliere. White crimped flowers.

Mme. Maurice Hamar. Flesh pink.

Any above, 3-4 flowering shoots, each, 75c; doz. \$8.00.

Souv. de Mme. Chantard. Early dark pink. 3-4 flowering shoots, each, 85c; doz. \$9.00; per 100, \$70.00.

RHODODENDRONS.

Best named varieties, all colors.

Each	Doz.
Bushy plants, 8 to 12 buds	\$1.00 \$ 9.00
Bushy plants, 12 to 18 buds.....	1.25 12.00
Bushy plants, 18 to 24 buds.....	2.00 20.00

Also a few Pink and White Pearl at a 50 per cent increase on these prices.

CHICAGO

31-33 W. Randolph St. **Vaughan's Seed Store,**

Greenhouses and Nurseries, Western Springs, Ill.

BABY RAMBLERS.

Dormant, Field-Grown Budded Stock.

Erna Teschendorf, the New Crimson Baby Rambler that does not fade.

2 year, doz. \$5.00; per 100, \$30.00.

CRIMSON BABY.

Each	Doz.	100
2-year.....	\$0.20	\$2.00 \$14.00
3 year.....	.25	2.50 16.00

JESSIE.

2-year.....	.25	2.50 18.00
3 year.....	.30	3.00 20.00

PHYLLIS.

2-year.....	.20	2.00 16.00
3-year.....	.25	2.50 18.00

CLIMBING ROSES.

Each, 30c; Doz., \$3.00; 100, \$20.00.

American Pillar, single pink. **Hiawatha,** single red. **White Dorothy Perkins,** double.

Each, 25c; Doz., \$2.50; 100, \$18.00.

Flower of Fairfield, double red.

Tausendschon, single pink.

Each	Doz.	100
Crimson Rambler, 2-year....	\$0.20	\$2.00 \$15.00
3-year....	.25	2.50 18.00

Dorothy Perkins, same as above.

Excelsa, New 2-year.....	.50	4.50 35.00
Lady Gay, 2-year.....	.25	2.50 18.00
3-year.....	.30	3.00 20.00

NEW YORK

25 Barclay St.

Mention the American Florist when writing

CHRYSANTHEMUMS

The Latest Novelties and
the Best Standard Kinds.

WE HAVE THEM SUITABLE FOR ANY PURPOSE.

Ask for our 1913 Catalogue.

ELMER D. SMITH & CO., ADRIAN, MICH.

Mention the American Florist when writing

New American Beauty GERANIUM

We take great pleasure in introducing to our many customers for 1913 our **New American Beauty Geranium** for the first time. After working on it for nearly three years, we are offering it for sale.

Our Claim for American Beauty Geranium is that it surpasses all other Geraniums in its real American Beauty color. The individual blooms measure 2 3/4 inches across. It is semi-double, medium dwarf, of stately shape. It has come to stay as a **money maker**. Prices to the trade, 2 1/2-in. pots, 50c each; \$5.00 per doz. 3-in. pots, \$1.00 each; \$10.00 per doz. cash. Write for circulars in natural colors and prices on large lots.

JOHN BAUSCHER, Arcade Addition Freeport, Ill.

Mention the American Florist when writing

J. D. Thompson Carnation Co

Carnation Specialists

JOLIET,

ILL

Mention the American Florist when writing

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISH KILL New York

"History Repeats Itself"

Some Roses are like men—they have to be transplanted to bring out their best qualities. American Beauty never attained the importance in its native France as "Mme. Ferdinand Jamain," that it has in America. The same was true of "Katherine Mermet," from which we got the two sports Bride and Bridesmaid. Liberty and Killarney never developed under the weepy skies of Ireland as they did in America.

The latest aspirant, "**MRS. GEO. SHAWYER**," we predict will find its way to the front just as have the varieties mentioned. Come and see it growing and convince yourself. \$30.00 per hundred; \$250.00 per thousand. Grafted or own root.

"MILADY" The New Crimson, per hundred, - \$ 30.00
per thousand, - 250.00

CARNATIONS

Enchantress Supreme and Salmon Beauty, two fine sports from Enchantress. } \$12 per 100
Commodore, the freest Xmas blooming scarlet we have. } \$100 per 1000
Northport, the leader in the dark pink section.

Rosette, St. Nicholas and Benora, - - \$6.00 per 100; \$50.00 per 1000

Also All the Standard Varieties of Carnations.

Chas. H. Totty, Madison, N. J.

CARNATIONS

Rooted Cuttings, Season 1913.

January delivery.

	Per 100	Per 1000
Rosette.....	\$6 00	\$50 00
St. Nicholas	6 00	50 00
Benora.....	6 00	50 00
Gloriosa	4 00	30 00
White Wonder.....	3 00	25 00
White Perfection.....	3 00	25 00
White Enchantress.....	3 00	25 00
Enchantress.....	3 00	25 00
Rose Pink Enchantress.....	3 00	25 00
Scarlet Glow.....	3 00	25 00
Mrs. C. W. Ward.....	3 00	25 00
Bonfire.....	3 00	25 00

Rooted Cuttings Our Specialty. Fine stock: even size; well rooted cuttings.

F. DORNER & SONS CO.
LA FAYETTE, IND.

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N Y

SEASONABLE STOCK

Pandanus Utilis, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.
Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.
Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.
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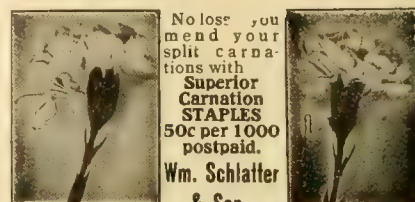
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Princess Charming, flesh pink	3.00	25.00
May day, deep flesh	3.00	25.00
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Washington, dark pink	3.00	25.00
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Victory, scarlet	3.00	25.00
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30 E. Randolph Street, Chicago, Ill.

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White Lawson	1.50	12.50
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White Enchantress	3.00	25.00
Enchantress	3.00	25.00
Beacon	3.00	25.00
Rose Pink Enchantress	2.50	20.00

J. D. THOMPSON CARNATION CO.
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Carnations, C. W. Ward, White Enchantress, Beacon, \$2.25 per 100; \$20 per 1,000. F. F. Scheel, Shermerville, Ill.

Carnations, chrysanthemums, S. S. Skidel-sky & Co., 1215 Betz Bldg., Philadelphia.

Comfort carnation cuttings, \$4 per 100; \$30 per 1,000. S. M. Merwarth & Bros., Easton, Pa.

Carnations, Wood Bros., Fishkill, N. Y.

Carnations, J. L. Dilloo, Bloomsburg, Pa.

CHRYSANTHEMUMS.

Chrysanthemums, all the leading varieties. For prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums, all the leading varieties, Elmer D. Smith & Co., Adrian, Mich.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus. A. N. Pierson, Inc., Cromwell, Conn.

Coleus. A. M. Herr, Lancaster, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEA, in bud and bloom. Best strain of large, strong plants, for size of pots, 4-in., \$2 per doz.; 4½-in., \$3 per doz. August seedlings, 12 best varieties, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Cyclamen, in bloom, 5-in., 50c each; \$5 per doz.; 6-in., 75c each; \$7.50 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Cyclamen, 4 and 5½-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

DAHLIAS. Undivided Field Clumps.
Snowflake \$1.00 per doz. \$6.00 per 100
Snowclad 75 " " 4.00 " 100
J. H. Roach 75 " " 4.00 " 100
Olympia 75 " " 4.00 " 100
Countess of Lonsdale, 1.00 " " 6.00 " 100
C. W. Brutton 75 " " 4.00 " 100
Earl of Pembroke 50 " " 3.00 " 100
Penelope 75 " " 4.00 " 100
Eclipse 75 " " 4.00 " 100
Arabella 75 " " 4.00 " 100
Black Beauty 50 " " 3.00 " 100
Mixed 50 " " 3.00 " 100

WAGNER PARK CONSERVATORIES, Sidney, O.

Dahlias, 100,000 field-clumps; 100 varieties of cream. Get list. Benj. Connell, Florist, Merchantville, N. J.

Dahlias, standard and new cut flower varieties. Lyndhurst Farm, Hammonton, N. J.

Dahlias, named sorts, \$1.25 per 100; list free. C. W. Hoffman, route 13, Dayton, O.

DAISIES.

Daisies, Mrs. F. Sander, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

DEUTZIAS.

Deutzia Gracilis, 8-in., 70 to 80 flowering branches, 30c each; \$3 per doz.; \$20 per 100; 6-in., smaller stock, 20c each; \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracaena terminalis, 4 and 5½-in., 25c to 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Massangeana, \$1.25 to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

EUONYMUS.

EUONYMUS VARIEGATA RADICANS JAPONICA.

2½-in. pots, 5c.
3 and 4-in. pots, 10c.
CONARD & JONES CO.

WEST GROVE, PENNSYLVANIA.

FERNS.

DWARF FERNS FOR FERN DISHES.

These dwarf ferns are used by the hundreds of thousands to fill dishes for table decorations. Our sales each year exceed fifty thousand plants. Our stock is in prime condition, ready to use at once. We offer 9 choice varieties, 50c per doz.; \$3.50 per 100; \$30 per 1,000.

Pteris cretica Victoria,
albo-lineata, Aspidium tsussimense,
Wilsoni Sieboldii,
Mayi Wimssetti.

Pteris multiceps

Cyrtomium falcatum or holly fern.

Our catalogue of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

Largest rose growers in the world.

Box 18, SPRINGFIELD, O.

Ferns, Boston, 6-in., 50c each; \$6 per doz.; 7-in., 75c each; \$7.50 per doz.; 8-in., \$1 each; \$10 per doz.; 10-in., \$2.50 each; 12-in., \$3.50 each. Whitman, prices and sizes same as above. Boston, 2½-in., \$3.50 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

ROOSEVELT FERNS.

2½-in., \$6.00 per 100.

CONARD & JONES CO.,

WEST GROVE, PENNSYLVANIA.

Table ferns, 10 varieties, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$6 per 100; \$55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns, Scotti, Whitman, Schozell, Boston, Glatra, 5½ to 7-in., 30c to \$1 each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

Pteris Wimssetti, 10,000 extra strong 2-in., \$3 per 100; \$25 per 1,000. J. F. Kidwell & Brother, 3806 Wentworth Avenue, Chicago, Ill.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston. For sizes and prices see advertisement on front cover page. Vaughan's Seed Store, Chicago and New York.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus Pandurata, 6-in., 2½ to 3 ft., extra plants, \$3.50 each; 7-in., 5 to 6 feet tall, \$4.50 to \$5 each. Rubber plants, 6-in., 75c to \$1 each. Poehlmann Bros. Co., Morton Grove, Ill.

Ficus elastica, 5½ and 6-in., 30c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

Geraniums—Good, healthy, fall rooted plants from 2½-in. pots at \$3 per 100; \$27.50 per 1,000 except where noted: Beaute Poitevine, Maro, de Castelle, S. A. Nutt, Jean Viand, La Favorite, A. Ricard, Mme. Landry, Mrs. E. G. Hill, Albion (single white) Mme. Barney, Heteranthe, E. H. Trego, M. Janlin, Red Wing, 6c each. Our new catalogue will be ready January 1st. Send for a copy of same. THE GOOD & REESE CO., Box 18, Springfield, O.

ROOTED GERANIUM CUTTINGS.

The "BIG FOUR" bedders for immediate delivery. S. A. Nutt (dark red), Gen. Grant (bright red), Mme. Buckner (white), A. No. 1 stock, \$1.50 per 100; \$14.00 per 1,000. Beaute Poitevine (salmon), \$1.75 per 100; \$16.00 per 1,000. CASH. THE W. T. BUCKLEY CO., Springfield, Ill.

NEW AMERICAN BEAUTY.

For the first time we are offering this wonderful new geranium to our many customers. Write for colored cut and prices on large lots, 2½-in. pots, 50c; \$5 per doz.

JOHN BAUSCHER, JR.

Arcade Addition, Freeport, Ill.

GERANIUMS.

Mme. Sallerol, Mme. Buchner, S. A. Nutt, 2-inch, \$2 per 100; \$18 per 1,000.

EDW. DOEGE CO.,

4344 N. Springfield Ave., Chicago, Ill.

Mme. Sallerol, 2-in., \$2 per 100; \$18 per 1,000. Orders booked now for 2½-in. geraniums, January and February delivery. Write for prices. ROBER & RADKE, Maywood, Ill.

Geraniums, S. A. Nutt, Poitevine, 2½-in., \$3 per 100; \$25 per 1,000. Buchner, \$2.50 per 100; \$20 per 1,000. Jos. H. Cunningham, Delaware, O.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, rooted cuttings, Ricard and Poitevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, rooted cuttings, S. A. Nutt, double, Clifton, single, same color as Nutt, \$15 per 1,000. H. P. Gerhardt, Wilmette, Ill.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Greens, palm and magnolia leaves, Florida moss, etc. Reduced prices to dealers. Est. 25 years. Victor Schmelz & Son, R. 2, Sanford, Fla.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens. For prices, see advertisement elsewhere in this issue. Elk Galax and Fern Co., Banners Elk, N. C.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Fancy and dagger ferns, \$1.10 per 1,000; 5,000 or over \$1 per 1,000. Robert Groves, 127 Commercial St., Adams, Mass.

Palm leaves, ferns and mosses. Friedrich Kohlschreiber, Hamburg 24.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

HYDRANGEAS.

New forcing HYDRANGEA ARBORESCENS GRANDIFLORA ALBA or Hills of Snow. For forcing or immediate sales: 1-yr., field-grown, 12 to 18 inches, 2 canes, \$1.25 per doz.; \$8 per 100; \$75 per 1,000. Select, 2 to 3 canes, \$1.50 per doz.; \$10 per 100; \$90 per 1,000. 2-yr., field-grown, 18 to 24 inches, 2 to 3 canes, \$2 per doz.; \$14 per 100; \$120 per 1,000. Our catalogue of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

Largest rose growers in the world.

Box 18, SPRINGFIELD, O.

Hydrangeas for forcing, 6 to 7-in., Avalanche, Mme. Emile Mouliere, Mme. Maurice Hamar, 3 to 4 flowering shoots, 75c each; \$8 per doz. Souv. de Mme. Chantard, 3 to 4 flowering shoots, 85c each; \$9 per doz.; \$70 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, pot-grown for forcing, in 6-in. pots. Otaksa, 5 and 6 branches, \$20 per 100; 4 branches, \$15; 3 branches, \$12; 2 branches, \$10. Thos. Hogg, 5 and 6 branches, \$20; Souv. de Claire, 7 and 10 branches, \$25. Jackson & Perkins Co., Newark, N. York.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, for Easter forcing, 6-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangea Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Quality in Young Stock

NEW ROSES.

MILADY and MRS. GEO. SHAWYER

Grafted per 100, \$30.00 Per 1000, \$250.00
Own Root " " 30.00 " " 250.00

KILLARNEY QUEEN and DOUBLE WHITE KILLARNEY

Two new Roses of last season.

Grafted per 100, \$20.00 Per 1000, \$150.00
Own Root " " 12.00 " " 100.00

MRS. CHAS. RUSSELL

Grafted per 100, \$35.00 Per 1000, \$300.00
Own Root " " 30.00 " " 250.00

KILLARNEY, WHITE KILLARNEY, MY MARYLAND,
DOUBLE PINK KILLARNEY, MRS. TAFT (Rivoire)
RADIANCE, MRS. AARON WARD, LADY
HILLINGDON, RICHMOND

Grafted per 100, \$15.00 Per 1000, \$120.00
Own Root " " 7.50 " " 60.00

CARNATION CUTTINGS.

ROSETTE, ST. NICHOLAS, BENORA

Rooted Cuttings per 100, \$6.00 Per 1000, \$50.00

BEACON

Rooted Cuttings per 100, \$3.50 Per 1000, \$30.00

WHITE WONDER, WHITE ENCHANTRESS, WHITE
PERFECTION, MRS. C. W. WARD, ENCHANTRESS,
MAY DAY

Rooted Cuttings per 100, \$3.00 Per 1000, \$25.00

CHRYSANTHEMUMS.

The Best Commercial Varieties in Existence.

CHRYSOLORA, UNAKA, CHADWICK SUPREME, DECEMBER GEM, CHAS. RAZER, W. R. BROCK

Rooted Cuttings, \$4.00 per 100, \$30.00 per 1000. 250 of a variety at the 1000 rate.

New varieties and a list of the best commercials given in full in our catalogue.

POMPONS

FAIRY QUEEN, the best pink; HELEN NEWBERRY, the best late white, from 2 1/4-inch pots, \$6.00 per 100, \$50.00 per 1000

TO COVER THE SEASON CONSIDER THE LIST BELOW AND SEND IN YOUR ORDER.

WHITE—Nio, Baby Margaret, Diana. YELLOW—Overbrook, Mertsham Tints, Baby, Quinola, Souvenir d'Or (Mrs. Frank Beu). PINK—Eleganta, Alena, Minta, Alma. BRONZE YELLOW—Miss Julia, Allentown. RED—Rufus, Lyndhurst, Julia Lagraver. From 2-in. pots, \$3 per 100, \$25 per 1000. 5 varieties at the 100 rate; 250 at the 1000 rate

SINGLES. A collection of the twelve best varieties for cut sprays.

BEDDING STOCK—COLEUS in quantity, SALVIA, ALTERNANTHERA, HELIOTROPE, AGERATUM, ACHYRANTHES.

No order too large for our wholesale department. Use printed stationery or enclose your card. Wholesale prices to the trade only.

A. N. PIERSON, Inc., Cromwell, Conn.

...NEW ROSE...

"Mrs. Charles Russell"

OWING to the great demand for plants, our root stock is all sold out until later in the season, but grafted plants may still be had in quantity, as we have 12000 growing in our houses from which to make stock. Orders will be filled strictly in rotation.

Prices on Grafted Stock:

12	100	250	500	1000	2500	5000
\$7.50	\$35.00	\$82.50	\$150.00	\$300.00	\$687.50	\$1250.00

WABAN ROSE CONSERVATORIES,

Natick, Mass.

Miscellaneous Plants

Smilax, 2-in., per 100, \$1.00. Dracaena Indivisa 2-in., per 100, \$2.00. New Double Daisy, Mrs. F. Sander, 2-in., per 100, \$2.00. Cryptomeria Japonica, 2-in., per 100, \$5.00. Asparagus Plumosus, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

ROOTED CUTTINGS.

	Per 100.	Per 1000
Verbenas.....	\$0.70	\$ 6.00
Ageratums.....	.60	5.00
Heliotrope, Daisies, Salvias..	1.00	8.00
Feverfew, Petunias.....	1.25	10.00
Coleus.....	.70	6.00
Alyssum, Double.....	1.00	8.00

Cash with orders. Express Paid. Write

S. D. Brant, Clay Center, Kans.

Mention the American Florist when writing

T^BR^hOⁱS^eS^tS^s

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

Mention the American Florist when writing

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelities my Specialty

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins Poitevine, 2-in., \$2.00 per 100; 3-in., \$5.00 per 100. Boston and Whitman Ferns, 3-in., 10c; 4-in., 15c; 5 in., 25c. Dracaena Ind., 3-in., \$5.00; 4-in., \$4.00; 5-in., \$25.00 per 100. Vinca Var., 2-in., 2c. Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus Plumosus, 2-in., \$3.00 per 100. Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

The Early Advertisement Gets There.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

WICHITA, KANS.—W. F. Schell, of the Wichita Nursery Co., will increase his nursery stock at Winfield to two million trees.

TROY, O.—David Wood, a local nurseryman, died suddenly of apoplexy at Beaver Falls, Pa., a few days ago. He was 40 years old and is survived by a widow.

NEW ORLEANS, LA.—The Metairie Ridge Nursery Co., Harry Papworth, president, has secured the contract of improving the grounds of the state capitol.

Alabama State Horticultural Society.

The Alabama State Horticultural Society meets in tenth annual convention at Bay Minette January 23-25. The guests will be welcomed by Judge J. H. H. Smith, after which there will be an address by President J. H. McCary, Birmingham. The annual report of the state vice-presidents, the appointment of committees and the secretary's report will follow.

The programme on Thursday includes the following papers: "Citrus Insects and Control," Dew, Auburn; "Commercial Possibilities of the Satsuma," Dr. H. E. Scott, Battles; "Kinds of Fruit Trees to Buy," Henry Chase, Huntsville; "Important Features in Peach Growing," J. R. Hilton, Knoxville, Tenn.; "Pecans," Mrs. Thos. A. Banning, Robertsdale; "Sand Pears," R. S. Scott, Citronelle. Thursday evening there will be an illustrated lecture by Dew.

Friday's session will be marked by a number of papers of unusual interest, the complete list being as follows: "Marketing Vegetables," Geo. A. Maloney, Mobile; "Some Controlling Factors in Fruitfulness," Dr. E. P. Sandsten, Auburn; "Truck Diseases," Dr. F. A. Wolfe, Auburn; "Trucking on New Lands," L. T. Rhodes, Bay Minette; "Fertilizer Experiments with Sweet Potatoes," Prof. J. F. Duggar, Auburn; "Alabama as a Horticultural State," Capt. R. F. Kolb, Montgomery; "The Country Home," H. M. Conolly, Auburn; "Bulb Growing," L. H. Read, Deer Park; "Insects on Ornamentals," H. P. Loding, Mobile; "Citrus Trifoliata as a Hedge Plant," I. C. Beatty, Birmingham; "Spraying and Spray Machinery," Prof. J. C. C. Price, Auburn; "Budding and Grafting," J. M. Stover, Bay Minette; "Business Principles in Marketing," Frank L. Fesler, Foley; "Association's Method in Selling Produce," Chas. A. Boller, Foley; "Fruit and Truck Packages," J. H. McCary, Birmingham.

There will be pruning and spraying demonstrations Saturday.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms.

P. O. Berlin, N. J. Williamstown Junc., N. J.



Tuberous Rooted Begonias

	Doz.	100	1000
Single sorts—white, scarlet, yellow, pink	\$.40	\$2.50	\$22.00
Single sorts—mixed	.35	2.25	20.00
Double "—white, scarlet, yellow, pink	.65	\$4.50	\$40.00
Double sorts—mixed	.60	4.00	37.50

Gloxinias

Grassifolia Grandiflora

All the spotted and Tigered variations in sound bulbs.

	Doz.	100	1000
Separate colors	\$.60	\$3.50	\$30.00
Choice mixture	.50	3.20	28.00

Spiraea Clumps

	Per 100
Gladstone	\$ 8.00
Floribunda	6.00
Japonica	5.00

Lilies

	Per 1000
Giganteum, 7-9	\$55.00
" 9-10	90.00
Multiflorum, 7-9	45.00

Vaughan's Seed Store

CHICAGO NEW YORK

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City: Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

MANETTI STOCKS.

5 to 8 m-m.....\$12.00 per 1,000 3 to 5 m-m.....\$10.00 per 1,000

Duty paid. We are filling orders NOW; can take care of a few more late buyers. Are YOU supplied? Send us your order. Shall we ship by freight or express?

JACKSON & PERKINS CO., Newark, New York

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Robert Craig Co...

High Class PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

GODFREY ASCHMANN,

1012 W. Ontario Street,
PHILADELPHIA, PA.

I HAVE TO OFFER YOU:

Araucaria Excelsa, Our Specialty, in fine condition, 5, 5½, 6-inch pots, 14 to 30 inches high. 40c, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50. **Azaleas**, in bloom now, Vervaneana and other colors, 75c, \$1.00, \$1.25 to \$1.50. For Easter blooming, assorted colors, 50c, 60c, 75c, \$1.00, \$1.25 to \$2.00. **Kentia Forsteriana**, single, 25 to 50 inches high, 75c, \$1.00, \$1.50, \$2.00, \$2.50; made up of 4, center plant 50 inches, 3 smaller around. \$2.50, \$3.00 and \$4.00. **Belmoreana**, 6-inch, 50c to 75c; 4-inch, 25c. **Draecena Terminalis**, 4 and 5½-inch, 25c, 35c, 40c. **Ficus Elastic**, 5½ and 6-inch, 30c, 40c and 50c. **Ferns**, Scotti, Whitmani, Scholzei, Boston, Giatrasi, 5½, 6 and 7-inch, 30c, 40c, 50c, 60c, 75c to \$1.00. **Begonias**, Gloire de Lorraine and Cincinnati, in bloom, 5½ and 6-inch, 40c, 50c, 60c, 75c to \$1.00. **Cyclamen**, 4 and 5½-inch, 25c, 30c, 40c and 50c. **Primulas**, Obconica grandiflora and Chinese in bloom, 5½-inch \$2.00 to \$2.50 per doz.; 4-inch Obconica, 10c and 15c. **Jerusalem Cherries**, 6-inch, 25c to 35c. **Cocos Weddelliana**, 3-in., 15c, 18c, 20c. **Cyr. Falcatum** or Holly fern, 4-inch, 20c and 25c; assorted, 2½-inch Dish Ferns, \$4.00 per 100. **Asparagus Sprengeri** and **Plumosus**, 4-inch, 10c; 2½ inch, 4c; 3-inch, 6c. **Aspidistras**, green and variegated, 6-inch, 75c, \$1.00 and \$1.25. **Hydrangea Otaksa**, for Easter forcing, 6-inch, 25c, 35c, 50c. The genuine **Lilium Multiflorum**, raised from selected bulbs 4-inch ready-to-shift, 20c and 25c. **Cash with order please.**

"Get them at Dreer's" PALMS FOR DECORATING.

Our stock of Kentias, both for retailing as well as for decorating, is exceptionally complete for this season of the year and we particularly wish to call your attention to the sizes listed below, with the values of which we are certain you will be well pleased.

Kentia Forsteriana—Bushy Made up Plants.

5-inch pots.	4 plants in a pot.	20 to 24 inches high.....	Each.	\$.75
7- " "	3 " "	36 " "	" "	2.50
7- " "	3 " "	33 " "	" "	3.00
8- " "	3 " "	40 to 42 " "	" "	4.00
8- " "	3 " "	4 to 4½ feet high.....	" "	6.00
9- " "	3 " "	4½ to 5 " "	" "	8.00
10- " "	3 " "	5 to 5½ " "	" "	10.00
12- " "	3 " "	5½ to 6 " "	" "	15.00
13- " "	4 " "	6½ to 7 " "	" "	20.00
15- " "	4 " "	7 " "	" "	25.00

Kentia Forsteriana—Single Plants.

5-inch pots.	6 leaves.	22 to 24 inches high.....	Each.	\$.75
6- " "	6 " "	28 to 30 " "	" "	1.00
6- " "	6 " "	34 to 35 " "	" "	1.50
7- " "	6 to 7 " "	36 to 40 " "	" "	2.00
7- " "	6 to 7 " "	40 to 42 " "	" "	3.00
8- " "	6 to 7 " "	45 to 48 " "	" "	4.00
8- " "	6 to 7 " "	4 feet high.....	" "	5.00
11- " "	7 to 8 " "	5 to 5½ " "	" "	8.00
11- " "	7 to 8 " "	5½ to 6 " "	" "	10.00
12- " "	7 to 8 " "	6 " "	" "	15.00

Kentia Belmoreana—Single Plants.

5-inch pots.	6 to 7 leaves.	18 to 20 inches high.....	Each.	\$.75
6- " "	6 to 7 " "	24 " "	" "	1.00
6- " "	6 to 7 " "	28 to 30 " "	" "	1.50
7- " "	6 to 7 " "	30 to 36 " "	" "	2.50
8- " "	6 to 7 " "	45 to 48 " "	" "	5.00
11- " "	7 to 8 " "	4½ feet high.....	" "	8.00
12- " "	8 to 10 " "	5 " "	" "	10.00

For the most complete list of other Palms, as well as for a full line of all seasonable stock, see our current wholesale list, a copy of which will be sent on application if you have failed to receive one.



HENRY A. DREER, Inc.

714 Chestnut Street,

PHILADELPHIA, PA.

The above prices are intended for the trade only.

Hydrangeas

Pot Grown for Forcing.

ALL IN 6-INCH POTS

Otaksa, with 5 and 6 branches.....	\$20 00
Otaksa, with 4 branches.....	15 00
Otaksa, with 3 branches.....	12 00
Otaksa, with 2 branches.....	10 00
Thos. Hogg, with 5 and 6 branches	20 00
Souvenir de Claire, with 7 and 10 branches.....	25 00

Now Ready for Delivery

Shall we send by freight or express?

Jackson & Perkins Co.

WHOLESALE ONLY

Florists and Nurserymen

Newark, - New York

Budding Knife Free

See Page 24.

Rooted Carnation Cuttings

BIG VALUE AT THE PRICES QUOTED:

Beacon, White Enchantress, Enchantress, Rose Pink Enchantress and White Perfection, \$2.50 per 100; \$17.50 per 1,000.

Rooted Rose Cuttings

White and Pink Killarneys, \$3.00 per 100; \$27.50 per 1000. Richmond, \$1.75 per 100; \$15.00 per 1000. Mrs. Aaron Ward, \$4.00 per 100; \$35.00 per 1000.

PETER REINBERG

30 East Randolph Street

CHICAGO, ILL.

DAHLIAS

Standard and New Cut Flower Varieties

Lindhurst Farm

Hammonton, N. J.

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Mention the American Florist when writing

Pittsburg.

ROSE SUPPLY SHORT.

The bad weather is still with us, but it doesn't seem to have much effect on the supply of cut flowers, except roses, which are running very short. American Beauties are another scarce article, but there is not much call for them anyway. Lilies are coming in very strong and are also of fine quality. Roman hyacinths have become a drug on the market, as nobody seems to care for them. Sweet peas continue to be the leaders here. Some of the finest ever seen in the city are arriving by the thousands. There is the usual good supply of violets, daisies, mignonette, white lilac, daffodils and valley. A little freezia is seen, but does not amount to much.

NOTES.

We had a very strong windstorm Saturday, which played havoc with windows and everything else not nailed or screwed down. It reached a velocity of 56 miles an hour for a short period and took the plate glass in one of the McCallum Co.'s doors along with it.

The A. T. Lorch Co., the carnation specialists of De Haven, are consigning some fine carnations, especially White Lawson, to the McCallum Co.

Jos. Thomas of Greensburg was in town last week, and reports a very heavy run on funeral work, cleaning up every flower he had in sight.

A. F. Morrison, the chrysanthemum grower of Mars, was in town Friday, talking over plans for next season.

The Pittsburg Florists' Exchange has temporarily discontinued the handling of cut flowers.

The Empire Floral Co. has opened a store on Sandusky (formerly Seventh) street.

Mrs. E. M. Niggel, who has been sick, is now regaining her former health.

Chas. Puhlman reports that his winter crop of sweet peas will be on soon.

Miss Tillie Kyle is visiting friends in Cleveland.

J.

Nashville, Tenn.

TRADE VERY QUIET.

The trade has been more quiet the last few days than at any time since the holidays, only funeral work serving to keep the florists busy. The supply has been fine and all kinds of stock very good. Roses are a little off crop, but carnations are unusually good and plentiful. The florists' windows are full of blooming potted plants. Violets are plentiful and of very fine quality, and there seems to be plenty of lily of the valley. Easter lilies are also plentiful. Narcissi and Romans are in fine condition and abundant enough to supply all demands.

NOTES.

Geny Bros. are making a fine cut of carnations and their roses are just beginning to come in again after a rest.

McIntyre Bros. have some fine sweet peas. Their new store has proved very successful.

L. Haury & Sons also have sweet peas and violets as well as fine potted plants.

The Joy Floral Co. has a fine lot of orchids.

M. C. D.

ORANGE, N. J.—The eighteenth annual dinner and dance of the New Jersey Floricultural Society was held here January 15. The entertainment committee was composed of John Der- van, chairman; Wm. Reid, Frank Drews, George B. Wilson, Geo. H. Wright and Geo. Strange.

Vaughan's Choice Forcing Stock

AZALEAS MOLLIS.

	Each	Doz.	100
Bushy, full of buds.....	\$0.50	\$5.50	\$36.00

DEUTZIA GRACILIS.

8-in. pots, 70-80 flowering branches.....	Each	Doz.	100
	\$0.30	\$3.00	\$20.00
6-in. pots, smaller stock, good value.....	.20	2.00	15.00

HYDRANGEAS FOR FORCING.

Imported pot-grown stock, 6 to 7-in. pots.

The four new varieties here are the best on the market. A trial will convince.

Avalanche. Pure white.

Mme. Emile Mouilliere. White crimped flowers.

Mme. Maurice Hamar. Flesh pink.

Any above, 3-4 flowering shoots, each, 75c; doz. \$3.00.

Souv. de Mme. Chantard. Early dark pink. 3-4 flowering shoots, each, 85c; doz. \$9.00; per 100, \$70.00.

RHODODENDRONS.

Best named varieties, all colors.

	Each	Doz.
Bushy plants, 8 to 12 buds.....	\$1.00	\$9.00
Bushy plants, 12 to 18 buds.....	1.25	12.00
Bushy plants, 18 to 24 buds.....	2.00	20.00

Also a few Pink and White Pearl at a 20 per cent increase on these prices.

CHICAGO

31-33 W. Randolph St. **Vaughan's Seed Store,**

Greenhouses and Nurseries, Western Springs, Ill.

BABY RAMBLERS.

Dormant, Field-Grown Budded Stock.

Erna Teschendorf, the New Crimson Baby Rambler that does not fade.

2 year, doz. \$5.00; per 100, \$30.00.

CRIMSON BABY.

	Each	Doz.	100
2-year.....	\$0.20	\$2.00	\$14.00
3-year.....	.25	2.50	16.00

JESSIE.

2-year.....	.25	2.50	18.00
3-year.....	.30	3.00	20.00

PHYLLIS.

2-year.....	.20	2.00	16.00
3-year.....	.25	2.50	18.00

CLIMBING ROSES.

Each, 30c; Doz., \$3.00; 100, \$20.00.
American Pillar, single pink, **Hiawatha,** single red. **White Dorothy Perkins,** double.

Each, 25c; Doz., \$2.50; 100, \$18.00.

Flower of Fairfield, double red.

Tausendschon, single pink.

	Each	Doz.	100
Crimson Rambler, 2-year....	\$0.20	\$2.00	\$15.00
3-year.....	.25	2.50	18.00

Dorothy Perkins, same as above.

Excelsa, New 2-year..... .50 4.50 35.00

Lady Gay, 2-year..... .25 2.50 18.00

3-year..... .30 3.00 20.00

NEW YORK

25 Barclay St.

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The Latest Novelties and
the Best Standard Kinds.

WE HAVE THEM SUITABLE FOR ANY PURPOSE.

Ask for our 1913 Catalogue.

ELMER D. SMITH & CO., ADRIAN, MICH.

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New American Beauty
GERANIUM

We take great pleasure in introducing to our many customers for 1913 our **New American Beauty Geranium** for the first time. After working on it for nearly three years, we are offering it for sale.

Our Claim for American Beauty Geranium is that it surpasses all other Geraniums in its real American Beauty color. The individual blooms measure 2½ inches across. It is semi-double, medium dwarf, of stately shape. It has come to stay as a **money maker**. Prices to the trade, 2½-in. pots, 50c each; \$5.00 per doz. 3-in. pots, \$1.00 each; \$10.00 per doz. cash. Write for circulars in natural colors and prices on large lots.

JOHN BAUSCHER, Arcade Addition **Freeport, Ill.**

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J. D. Thompson Carnation Co

Carnation Specialists

JOLIET,

ILL

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SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISH KILL
New York

"History Repeats Itself"

Some Roses are like men—they have to be transplanted to bring out their best qualities. American Beauty never attained the importance in its native France as "Mme. Ferdinand Jamain," that it has in America. The same was true of "Katherine Mermet," from which we got the two sports Bride and Bridesmaid. Liberty and Killarney never developed under the weepy skies of Ireland as they did in America.

The latest aspirant, "MRS. GEO. SHAWYER," we predict will find its way to the front just as have the varieties mentioned. Come and see it growing and convince yourself. \$30.00 per hundred; \$250.00 per thousand. Grafted or own root.

"MILADY" The New Crimson, per hundred, - \$ 30.00
per thousand, - 250.00

CARNATIONS

Enchantress Supreme and Salmon Beauty, two fine sports from Enchantress. } \$12 per 100
Commodore, the freest Xmas blooming scarlet we have. } \$100 per 1000
Northport, the leader in the dark pink section.

Rosette, St. Nicholas and Benora, - - \$6.00 per 100; \$50.00 per 1000

Also All the Standard Varieties of Carnations.

Chas. H. Totty, Madison, N. J.

CARNATIONS

Rooted Cuttings, Season 1913.

January delivery.

	Per 100	Per 1000
Rosette.....	\$6 00	\$50 00
St. Nicholas	6 00	50 00
Benora.....	6 00	50 00
Gloriosa	4 00	30 00
White Wonder.....	3 00	25 00
White Perfection.....	3 00	25 00
White Enchantress.....	3 00	25 00
Enchantress.....	3 00	25 00
Rose Pink Enchantress.....	3 00	25 00
Scarlet Glow.....	3 00	25 00
Mrs. C. W. Ward.....	3 00	25 00
Bonfire.....	3 00	25 00

Rooted Cuttings Our Specialty. Fine stock; even size; well rooted cuttings.

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LA FAYETTE, IND.

Lady Hillingdon Roses

Fine 2 1/4-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N Y

SEASONABLE STOCK

Pandanus Utilis, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.

Adiantum Cuneatum, 4-in. pot plants, \$15.00 per 100.

Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.

Cibotium Schiedel 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.

Fern Dish Ferns, all the best sorts including Cyrtomium Falcatum, and

Aspidium Tsussimense, \$3.00 per 100; \$25.00 per 1000.

Bargain! Kentia Forsteriana, a special bargain in single specimen plants, perfect condition, 66 in. high, 6 to 7 leaves, in 10 in. green tubs, \$7.50.

Made up Kentia Forsteriana, 8 in. tubs, 4 plants in a tub, 48 to 52 in. high, \$6.50 each.

Calla Ethiopica, 3-in. strong, need shift, \$7.00 per 100.

New Baby Rambler Rose, Erna Teschendorf, strong 2-yr. field grown plants, \$4.00 per dozen, \$30.00 per 100. This is the best Red Baby Rambler of all.

English Ivy, strong 4-in., two or more shoots, \$12.00 per 100.

Dracaena Indivisa, strong 6-in. pot plants, \$35.00 per 100, 5-in. \$20.00 per 100 (Pot grown stock).

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Ricard..... 15.00 " "

Poitevine..... 15.00 " "

Next delivery Feb. 17th.

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Red, Yellow and general assortment
at \$6.00 per 1000.

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Ampelopsis Veitchii, heavy 3 to 4 ft., \$7 per 100; heavy, 2 to 3 ft., 2-year, 50 for \$3 (Parcel Post); \$5 per 100 by express; 1-year, 2 to 3 ft., strong, 50 for \$2; 100, \$3.25; Parcel Post, \$20 per 1,000; 18 to 24 inches, 50 for \$1.50; 100 for \$2; Parcel Post, \$15 per 1,000. Well rooted plants, tops cut to 6 inches for transplanting, \$12 per 1,000. Samples (except the two heavy grades) 25c allowed on purchase. Chas. Black, Hightstown, N. J.

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Araucaria excelsa, 5, 5½ and 6-in., 40c to \$1.50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

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Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2½-in. pots, \$2 per 100; \$18 per 1,000. Sprengeri, 2½-in., \$2 per 100; \$15 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus and Sprengeri, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprengeri, 2½-in., \$2.50 per 100; \$25 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus and Sprengeri, 2½-in., \$3 per 100; \$25 per 1,000. James Vicks' Sons, Rochester, N. Y.

Asparagus Sprengeri and plumosus, 4-in., 10c; 2½-in., 4c; 3-in., 6c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

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Aspidistras, green and variegated, 6-in., 75c to \$1.25. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASTERS.

THE SAWYER ASTERMUM—Eight years of strict selection places it on the mountain top of perfection, in color, size and profit. Price (cash with order), \$8, oz.; \$4.50, ¼ oz.; trade pkg. (not mixed), \$1. Colors: White, pink and lavender. ALBERT A. SAWYER, Forest Park, Ill.

AZALEAS.

Azaleas, in bloom, Vervaneana and other colors, 75c to \$1.50. For Easter, assorted, 50c to \$2. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azalea mollis, full of buds, 50c each; \$5.50 per doz.; \$36 per 100. Vaughan's Seed Store, Chicago and New York.

Azalea indica, pink, red and white, in bud and bloom, 75c to \$1.50 each. Poehmann Bros. Co., Morton Grove, Ill.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. McHutchison & Co., 17 Murray St., New York.

BEGONIAS.

Begonias, Gloire de Lorraine and Cincinnati, in bloom, 5¼ and 6-in., 50c to \$1. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

BOXWOOD.

Boxwoods. McHutchison & Co., 17, Murray St., New York.

BULBS.

Bulbs. Gladiolus Pink Augusta, \$2.50 per 100; \$20 per 1,000. A few extra selected bulbs, \$2.75 per 100; \$25 per 1,000. Florists' Mixture, \$2 per 100; \$16 per 1,000; White, light and pink, \$2.25 per 100; \$18 per 1,000. Cash. Also Augusta, Francis King, Mme. Monneret, Taft, Klondyke, STEVEN'S GLADIOLI CO., Saginaw, W. S., Mich.

Gladioli, America, bulblets, \$1 per qt.; \$25 per bu.; 1½-in., and up, \$20 per 1,000; 1¼ to 1½, \$15; 1-in. to 1¼, \$12; ¾ to 1-in., \$10; ½ to ¾, \$7. Francis King, 1¼-in. up, \$12; ¾ to 1-in., \$10; ½ to ¾-in., \$5; bulblets, \$16 per bu. Geo. S. Woodruff, Independence, Iowa.

Gladiolus America in all sizes. Will exchange for Augusta or Mrs. F. King. Send for quotations. Fletcher Bulb and Floral Co., Valley Junction, Iowa.

Bulbs, lilium multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, bedding hyacinths, white, red and blue, \$1.60 per 100; \$15 per 1,000. James Vicks' Sons, Rochester, N. Y.

Bulblets of America, Augusta, Independence, Klondyke, Mrs. F. King, Groff's Hybrids, Sec. 2 light, \$1.50 per quart (about 4,000). Clark Brown, Ashland, Mass.

Gladiolus America, 1st size, \$3 per 100; \$25 per 1,000; medium size, \$2.50 per 100; \$20 per 1,000. Spirea Gladstone, \$8.50 per 100; Florabunda, \$5; Superba, \$6; Queen Alexandra, \$10. The Storrs & Harrison Co., Painesville, Ohio.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Spirea, strong clumps. Floribunda, \$1 per doz.; \$7 per 100; Gladstone, \$1.25 per doz.; \$9 per 100. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Bulbs. McHutchison & Co., 17 Murray St., New York.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Callas, Japanese brown. Yokohama Nursery Co., 31 Barclay St., New York.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CALLAS.

GODFREY CALLAS.

2½-in., \$4.00 per 100.

CONARD & JONES CO.

WEST GROVE. PENNSYLVANIA.

CANNAS.

Two million CANNA ROOTS in 100 best varieties, from \$7 per 1,000 up. Also Caladitums, Begonias, tuberous rooted; Dahlias, Gladiolus, Gloxinias, Tuberoseas, etc. How many and what kind do you want this spring? Early orders get low prices. Shellroad Greenhouses, Grange, Baltimore, Md.

CANNAS. Fine 2 to 3 Bulbs.

Sec. Chubane	\$1.50 per 100
Robusta	1.00 per 100
Paul Marquant	2.00 per 100
Mlle. Berat	2.50 per 100
Pres. Cleveland	2.50 per 100
Pennsylvania	3.00 per 100
C. F. Read	3.00 per 100
Henry George	4.00 per 100
Chas. Henderson	4.00 per 100
Papa Nardy	5.00 per 100
Marvel	5.00 per 100
David Harum	5.00 per 100
King Humbert	7.00 per 100
Cinnabar	1.00 per 100
Mixed	1.00 per 100

WAGNER PARK CONSERVATORIES,
Sidney, O.

IMPROVED CANNAS.

"There can be no question that could the florists see those cannas, they would be in every collection in the country."—John Welsh Young, referring to CONARD & JONES CANNAS.

Mrs. Alfred F. Conard, pink	\$35.00 per 100
Beacon, red	20.00 per 100
Gladiolora, variegated	15.00 per 100
Meteor, red	25.00 per 100
Rosea gigantea, pink	25.00 per 100
Wm. Saunders, red, with bronze leaf	10.00 per 100
Mt. Blanc, near white	10.00 per 100
Kate F. Deemer, yellow	35.00 per 100
F. o. b. at headquarters for improved cannas.	

Write for complete list to

THE CONARD & JONES CO.,
WEST GROVE, PENNSYLVANIA.

CARNATIONS.

ROOTED CARNATION CUTTINGS.

150,000 in the following varieties ready for immediate deliveries:

	Per 100	Per 1,000
The Herald, scarlet	\$12.00	\$100.00
Rosette, dark pink	6.00	50.00
Wodenethe	6.00	50.00
Gloriosa, medium pink	4.00	35.00
Pink Delight, flesh pink	6.00	50.00
Conquest, overlaid pink	4.00	35.00
White Wonder, pure white	3.00	25.00
White Enchantress, pure	3.00	25.00
White Perfection	3.00	25.00
Enchantress, flesh pink	3.00	25.00
Princess Charming, flesh pink	3.00	25.00
May day, deep flesh	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Washington, dark pink	3.00	25.00
(Sport of Enchantress)		
Alvina, very free	3.00	25.00
Victory, scarlet	3.00	25.00
Scarlet Glow, scarlet	3.00	25.00
Bonfire, scarlet	3.00	25.00
Beacon, scarlet	3.00	25.00

CHICAGO CARNATION CO.
30 E. Randolph Street, Chicago, Ill.

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1,000
Princess Charming	\$2.00	\$20.00
Enchantress	2.00	18.00
White Enchantress	2.00	20.00
Washington	2.00	18.00
Lawson	1.50	12.50
White Lawson	1.50	12.50
White Perfection	2.00	18.00
Winsor	1.50	12.50
Victory	1.50	12.50
Bonfire (finest red)	3.00	25.00

VIETOR BROS., Chicago, Ill.

CARNATION CUTTINGS.

	Per 100	Per 1,000
Wodenethe	\$6.00	\$50.00
White Wonder	4.00	35.00
White Enchantress	3.00	25.00
Enchantress	3.00	25.00
Beacon	3.00	25.00
Rose Pink Enchantress	2.50	20.00

J. D. THOMPSON CARNATION CO.
JOLIET, ILL.

Carnations. Northport, Commodore. Enchantress Supreme, and Salmon Beauty, \$12 per 100; \$100 per 1,000. Rosette, St. Nicholas, Benora, \$6 per 100; \$50 per 1,000. Chas. H. Totty, Madison, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Carnations, Rosette, St. Nicholas, Benora, \$6 per 100; \$50 per 1,000. Gloriosa, \$4 per 100; \$30 per 1,000. White Wonder, White Perfection, White Enchantress, Enchantress, Rose Pink Enchantress, Scarlet Glow, Mrs. C. W. Ward, Bonfire, \$3 per 100; \$25 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

"Colorado Grown Plants Beat Them All." Rooted Carnation Cuttings for present or later delivery. White Enchantress, Mrs. C. W. Ward, Beacon and Bassett, \$3 per 100; \$25 per 1,000. Pink Enchantress and Victory, \$2.50 per 100; \$20 per 1,000. Winsor and White Lawson, \$2 per 100; \$15 per 1,000. Cash or reference. ELITCH-LONG GREENHOUSES, Denver, Colo.

Carnations, rooted cuttings, strong, healthy stock out of sand: Winsor, Victory, \$1.50 per 100; \$13 per 1,000. White Perfection, Pink Enchantress, \$2 per 100; \$17 per 1,000. White Enchantress, \$2.50 per 100; \$20 per 1,000; 250 at 1,000 rates. Cash or C. O. D. NORTH-WESTERN FLORAL CO., Gross Point, Ill.

Carnations, Rosette, St. Nicholas, Benora, \$6 per 100; \$50 per 1,000. Beacon, \$3.50 per 100; \$30 per 1,000. White Wonder, White Enchantress, White Perfection, Mrs. C. W. Ward, Enchantress, May Day, \$3 per 100; \$25 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Carnations, Beacon, White Enchantress, Rose Pink Enchantress, White Perfection, \$2.50 per 100; \$17.50 per 1,000. Peter Reinberg, 30 East Randolph St., Chicago.

ROOTED CUTTINGS, 10,000 Winsor Carnation Cuttings, strong, healthy side cuttings at \$2 per 100; \$15 per 1,000. La Crosse Floral Co., La Crosse, Wis.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Dailladonze Bros., Lenox Road and Troy Ave., Brooklyn, N.Y.

Carnations, C. W. Ward, White Enchantress, Beacon, \$2.25 per 100; \$20 per 1,000. F. F. Scheel, Shermerville, Ill.

Carnations, chrysanthemums, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Comfort carnation cuttings, \$4 per 100; \$30 per 1,000. S. M. Merwarth & Bros., Easton, Pa.

Carnations, Wood Bros., Fishkill, N. Y.

Carnations, J. L. Dillon, Bloomsburg, Pa.

CHRYSANTHEMUMS.

Chrysanthemums, all the leading varieties. For prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus. A. N. Pierson, Inc., Cromwell, Conn.

Coleus. A. M. Herr, Lancaster, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEA. In bud and bloom. Best strain of large, strong plants, for size of pots, 4-in., \$2 per doz.; 4½-in., \$3 per doz. August seedlings, 12 best varieties, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Cyclamen, in bloom, 5-in., 50c each; \$5 per doz.; 6-in., 75c each; \$7.50 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Cyclamen, 4 and 5½-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

DAHLIAS. Undivided Field Clumps.
Snowflake \$1.00 per doz. \$6.00 per 100
Snowball 75 " " 4.00 " 100
J. H. Roach 75 " " 4.00 " 100
Olympia 75 " " 4.00 " 100
Countess of Lonsdale. 1.00 " " 6.00 " 100
C. W. Brutton 75 " " 4.00 " 100
Earl of Pembroke 50 " " 3.00 " 100
Penelope 75 " " 4.00 " 100
Eclipse 75 " " 4.00 " 100
Arabella 75 " " 4.00 " 100
Black Beauty 50 " " 3.00 " 100
Mixed 50 " " 3.00 " 100

WAGNER PARK CONSERVATORIES,
Sidney, O.

Dahlias, 100,000 field-clumps: 100 varieties of cream. Get list. Benj. Connell, Florist, Merchantville, N. J.

Dahlias, standard and new cut flower varieties. Lyndhurst Farm, Hamonton, N. J.

Dahlias, named sorts, \$1.25 per 100; list free. C. W. Hoffman, route 13, Dayton, O.

DAISIES.

Daisies, Mrs. F. Sander, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

DEUTZIAS.

Deutzia Gracilis, 8-in., 70 to 80 flowering branches, 50c each; \$3 per doz.; \$20 per 100; 6-in., smaller stock, 20c each; \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracena terminalis, 4 and 5½-in., 25c to 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Massangeana, \$1.25 to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

EUONYMUS.

EUONYMUS VARIEGATA RADICANS
JAPONICA.

2½-in. pots, 5c.

3 and 4-in. pots, 10c.

CONARD & JONES CO.

WEST GROVE, PENNSYLVANIA.

FERNS.

DWARF FERNS FOR FERN DISHES.

These dwarf ferns are used by the hundreds of thousands to fill dishes for table decorations. Our sales each year exceed fifty thousand plants. Our stock is in prime condition, ready to use at once. We offer 9 choice varieties, 50c per doz.; \$3.50 per 100; \$30 per 1,000.

Pteris cretica Victoria,
albo-lineata, Aspidium tsussimense,
Wilsoni Sieboldii,
Mayi Wimssetti.
Pteris multiceps

Cyrtomium falcatum or holly fern.

Our catalogue of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

Largest rose growers in the world.

Box 18, SPRINGFIELD, O.

Ferns, Boston, 6-in., 50c each; \$6 per doz.; 7-in., 75c each; \$7.50 per doz.; 8-in., \$1 each; \$10 per doz.; 10-in., \$2.50 each; 12-in., \$3.50 each. Whitman, prices and sizes same as above. Boston, 2½-in., \$3.50 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

ROOSEVELT FERNS.

2½-in., \$6.00 per 100.

CONARD & JONES CO.

WEST GROVE, PENNSYLVANIA.

Table ferns, 10 varieties, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$6 per 100; \$55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns, Scottii, Whitman, Scholzi, Boston. Glatrasi, 5½ to 7-in., 30c to \$1 each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Pteris Wimssetti, 10,000 extra strong 2-inch, \$3 per 100; \$25 per 1,000. J. F. Kidwell & Brother, 3806 Wentworth Avenue, Chicago, Ill.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston. For sizes and prices see advertisement on front cover page. Vaughan's Seed Store, Chicago and New York.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus Pandurata, 6-in., 2½ to 3 ft., extra plants, \$3.50 each; 7-in., 5 to 6 feet tall, \$4.50 to \$5 each. Rubber plants, 6-in., 75c to \$1 each. Poehlmann Bros. Co., Morton Grove, Ill.

Ficus elastica, 5½ and 6-in., 30c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

Geraniums—Good, healthy, fall rooted plants from 2½-in. pots at \$3 per 100; \$27.50 per 1,000 except where noted: Beaute Poitevine, Marg. de Castellane, S. A. Nutt, Jean Vland, La Favorite, A. Ricard, Mme. Landry, Mrs. E. G. Hill, Albion (single white) Mme. Barney, Hietanthe, E. H. Trego, M. Jaulin, Red Wing, 6c each. Our new catalogue will be ready January 1st. Send for a copy of same. THE GOOD & REESE CO., Box 18, Springfield, O.

ROOTED GERANIUM CUTTINGS.

The "BIG FOUR" bedders for immediate delivery. S. A. Nutt (dark red), Gen. Grant (bright red), Mme. Buckner (white), A No. 1 stock, \$1.50 per 100; \$14.00 per 1,000. Beaute Poitevine (salmon), \$1.75 per 100; \$16.00 per 1,000. CASH. THE W. T. BUCKLEY CO., Springfield, Ill.

NEW AMERICAN BEAUTY.

For the first time we are offering this wonderful new geranium to our many customers. Write for colored cut and prices on large lots, 2½-in. pots, 50c; \$5 per doz.

JOHN BAUSCHER, JR.

Arcade Addition. Freeport, Ill.

GERANIUMS.

Mme. Sallerol, Mme. Buchner, S. A. Nutt, 2-inch, \$2 per 100; \$18 per 1,000.

EDW. DOEGE CO.,
4344 N. Springfield Ave. Chicago, Ill.

Mme. Sallerol, 2-in., \$2 per 100; \$18 per 1,000. Orders booked now for 2½-in. geraniums, January and February delivery. Write for prices. ROBER & RADKE, Maywood, Ill.

Geraniums, S. A. Nutt, Poitevine, 2½-in., \$3 per 100; \$25 per 1,000. Buchner, \$2.50 per 100; \$20 per 1,000. Jos. H. Cunningham, Delaware, O.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, rooted cuttings, Ricard and Poitevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, rooted cuttings, S. A. Nutt, double, Clifton, single, same color as Nutt, \$15 per 1,000. H. P. Gerhardt, Wilmette, Ill.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Greens, palm and magnolia leaves, Florida moss, etc. Reduced prices to dealers. Est. 25 years. Victor Schmelz & Son, R. 2, Sanford, Fla.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens. For prices, see advertisement elsewhere in this issue. Elk Galax and Fern Co., Banners Elk, N. C.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Fancy and dagger ferns, \$1.10 per 1,000; 5,000 or over \$1 per 1,000. Robert Groves, 127 Commercial St., Adams, Mass.

Palm leaves, ferns and mosses. Friedrich Kohlschreiber, Hamburg 24.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

HYDRANGEAS.

New forcing HYDRANGEA ARBORESCENS GRANDIFLORA ALBA or Hills of Snow. For forcing or immediate sales: 1-yr., field-grown, 12 to 18 inches, 2 canes, \$1.25 per doz.; \$8 per 100; \$75 per 1,000. Select, 2 to 3 canes, \$1.50 per doz.; \$10 per 100; \$90 per 1,000. 2-yr., field-grown, 18 to 24 inches, 2 to 3 canes, \$2 per doz.; \$14 per 100; \$120 per 1,000. Our catalogue of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.

Largest rose growers in the world,
Box 18, SPRINGFIELD, O.

Hydrangeas for forcing, 6 to 7-in., Avalanche, Mme. Emile Moulliere, Mme. Maurice Hamar, 3 to 4 flowering shoots, 75c each; \$8 per doz. Souv. de Mme. Chantard, 3 to 4 flowering shoots, 85c each; \$9 per doz.; \$70 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, pot-grown for forcing, in 6-in. pots. Otaksa, 5 and 6 branches, \$20 per 100; 4 branches, \$15; 3 branches, \$12; 2 branches, \$10. Thos. Hogg, 5 and 6 branches, \$20; Souv. de Claire, 7 and 10 branches, \$25. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, for Easter forcing, 6-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangea Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

IVIES.

ENGLISH IVY.
2½-in. pots, \$5.00 per 100.
CONARD & JONES CO.
WEST GROVE. PENNSYLVANIA.
English Ivy, strong, 3-in. stock. Write for prices. C. L. Reese, Springfield, O.

JERUSALEM CHERRIES.

Jerusalem cherries, 6-in., 25c and 35c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LILY OF THE VALLEY.**To Import**

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the Valley. Grow Bruns' celebrated Chicago Market, the finest forcing valley in America, \$18 per 1,000; \$9.50 per 500; \$5 per 250; Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MANETTI.

Manetti stocks, English-grown, 5-8 m-m. \$12 per 1,000; 3-5 m-m. \$10 per 1,000. Jackson & Perkins Co., Newark, New York.

MOSS

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

Sphagnum moss. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.**SHRUBBERY.**

There are bargains to be had here in such varieties as spiraeas, altheas, weigelas and philadelphus, and this names only a few. We have acres of shrubs, well grown and ready for you. Write for price list.

The Conard & Jones Co., West Grove, Pa.

ONION SETS.

Choice reclaimed ONION SETS, red, \$1.50; white, \$2; yellow, \$1.40 per bushel of 32 lbs. J. C. Zapiewski & Co., Growers, Norwood Park, Ill.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PRIMULAS.

Primula obconica, giants, extra strong, ready for 4-in. pots, \$3 per 100. Fine for Easter. Extras cash. John F. Rupp, Shiremanstown, Pa.

Primula Malacoides, strong, 2½-in., \$2.50 per 100; ready to shift. Rober & Radke, Maywood, Ill.

PRIVET.

AMOR RIVER NORTH. The hardiest privet grown, 12 to 18 inch, \$2 per 100; 18 to 24 inch, \$3 per 100. Valdesian Nurseries, Bostic, N. C. Atlanta Floral Commission Co., Atlanta, Ga.

ROSES.

ROSES—Fine, healthy stock on own roots: Mrs. De Graw, Mrs. David McKee, Burbank, Franz Dugan, Duchess de Brabant, Apricot, Marie Lambert, Coquette des Blancches, Hermosa, White Cochet, Anna Muller, Pink Cochet, White La France, Clothilde Souper, Mme. Abel Chateau, Climbing Meteor, Safrano, Sour, de Pierre Notting, Golden Gate, Champion of the World, 2-in., \$3 per 100. Ben R. Cant, Gloire de L'Exposition Bruxelles, La Reine, Kaiserin, Pink La France, Gruss an Teplitz, Wellesley, Helen Gould, 2-in., \$3.50 per 100. Mrs. Cutbush, Pres. Taft, 2-in., \$5 per 100. Order now; will ship when wanted. **WAGNER PARK CONSERVATORIES**, Sidney, O.

Roses. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses, rooted cuttings ready February. Killarney, White Killarney and Lady Hillingdon. Write for prices. Carl E. Holm, Madison, N. J.

ROOTED ROSE CUTTINGS.

	Per 100.	Per 1,000.
American Beauties	\$3.00	\$25.00
Pink Killarney	2.50	20.00
White Killarney	2.50	20.00
Richmond	2.00	18.00
My Maryland	3.00	25.00

Ready now. Satisfaction guaranteed.

GEORGE REINBERG.

162 N. Wabash Ave.

Chicago, Ill.

ROOTED CUTTINGS.

Rooted Cuttings: Abutilon Savitzki, Acalypha Macafeana, Schryanthus Emersoni, ageratum, 6 vars.; alternantheras, 8 vars.; alyssum, dbl. giant and dwf.; Begonia Vernon, Gracilis lunulosa, Cuphea, Coleus, 10 vars.; Coleus Brillant, Chrysanthemums, 75 pompon vars.; heliotrope, bary English Ivy, lantana, 15 vars.; lemon verbenas, monovines, petunias, Salvia Bonfire and Zurich; parlor ivy, Swainsona alba and rosea. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Rooted cuttings: Verbenas, 70c per 100; \$6 per 1,000. Ageratum, 60c per 100; \$5 per 1,000. Heliotrope, daisies, salvias, \$1 per 100; \$8 per 1,000. Feverfew, petunias, \$1.25 per 100; \$10 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Alyssum, double, \$1 per 100; \$8 per 1,000. S. D. Brant, Clay Center, Kans.

SEEDS.

Vaughan's Flower Seeds—Ageratum, alyssum, antirrhinum, asparagus, aster, begonia, bellis, candytuft, celosia, centaurea, cobaea scandens, coleus, cyperus, dracena, echeveria, grevillea robusta, heliotrope, Ipomoea noctiflora, lantana hybrids, lobelia, mignonette, Mimulus, myosotis, petunia, pyrethrum, salvia, stocks, verbenas, vinca rosea. See page advertisement for prices. Vaughan's Seed Store, Chicago and New York.

Seeds—Ageratum, alyssum, antirrhinum, Asparagus plumosus and Sprengerii, asters, begonia, candytuft, celosia, centaurea, cineraria, cobaea scandens, coleus, Dracena indivisa, Grevillea robusta, Ipomoea, lobelias, mignonette, petunias, salvias, smilax, stocks, Thunbergia, Torenia Per., verbenas. For varieties and prices see advertisement elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Seeds, beans, beets, cabbage, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, glorioles, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

THE SAWYER ASTERMUM—Eight years of strict selection places it on the mountain top of perfection, in color, size and profit. Price (cash with order) \$8. oz.; \$4.50, ½ oz.; trade pkg. (not mixed) \$1. Colors: White, pink and lavender. **ALBERT A. SAWYER**, Forest Park, Ill.

Seeds, carrots, lettuce, onion, radish, beet, parsley, parsnip, salsify, sweet peas, mustard, celery, endive. California Seed Growers' Association, Inc., San Jose, Calif.

Seeds, Asparagus plumosus and Sprengerii. For prices see advertisement elsewhere in this issue. Los Angeles Flower Market, 414½ So. Broadway, Los Angeles, Calif.

Seeds, lawn grass. J. Oliver Johnson, 1874-76 Milwaukee Ave., Chicago.

SHAMROCKS.

Shamrocks, true Irish, 2-in., \$3 per 100; \$25 per 1,000. Pochlmann Bros. Co., Morton Grove, Ill.

SMILAX.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

VEGETABLE PLANTS.

Vegetable plants, Cabbage in variety; lettuce, Big Boston, Giant White Forcing, Grand Rapids and Tennis Ball, \$1 per 1,000; 90c per 1,000 in 10,000 lots. Franklin Plant Farm, Inc., P. O. Box 964, Norfolk, Va.

We grow cauliflower, egg plant, peppers, lettuce, cabbage, tomatoes and parsley. See our other advt. **FRANKLIN PLANT FARM, Inc.**, Frank Bruton, Pres. and Mgr., P. O. Box 964, Norfolk, Va.

Vegetable plants, tomato, egg and pepper plants. Benj. F. Castner, Belvidere Ave., Washington, N. J.

Book your orders now for March delivery of **FORCING TOMATOES**, Comet and Lorillard, 2½-in. at 2c. Cash please. J. J. Clayton & Son, West Grove, Pa.

VINCAS.

Vinca Variegata and green; have 50,000 strong, well rooted cuttings at \$5 per 1,000; sample on request; this stock guaranteed. Cash. D. E. Adsit, Jamestown, O.

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Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material of all kinds. Hotbed sash. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Building material. Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.**SUPERIOR CARNATION STAPLES.**

Mend your split carnations. Finest article for carnation growers introduced so far, 50c for 1,000, postage paid.

MICHIGAN CUT FLOWER EXCHANGE. 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZER'S.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

GOLDFISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152, Chicago.

MATS.

MATS—We make not only the most practical but the cheapest **HOTBED** and **COLD FRAME MATS** on the market. A large per cent of our orders come from gardeners and florists who have tried them and are pleased. Our mats are in use in Iowa, Ill., Ind., Ohio, Minn., Wis., Mich., New York, Maine, Mass., Conn., R. I., N. J., Va., W. Va., and Pa. Also in British Columbia and Ont., Canada. Send for circular. **WATTS BROS.**, Kerrmoor, Pa.

MISCELLANEOUS.

Greenhouse glass. Baur Window Glass Co., Eaton, Ind.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Glass. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Glass, bent glass, ground glass. The Johnston Glass Co., Hartford City, Ind.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Peerless Refrigerators for florists. Jac. Lederer, 644-48 W. Madison St., Chicago.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

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Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

GREENHOUSES!
 MATERIAL FURNISHED
 AND
 MEN TO SUPERINTEND
 ERECTION IF DESIRED.
CYPRESS SASH BARS
 ANY LENGTH UP TO 32 FT. OR LONGER.
THE T. Stearns Lumber Co.,
 NEWTON, BOSTON, MASS.

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Peerless Refrigerators

Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

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Preserve Cut Flowers in
BUCHBINDER
 Florists' Refrigerators

Write to Dept. 63 for
 illustrated catalog.

BUCHBINDER BROS.
 518 Milwaukee Ave., CHICAGO, ILL

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"Red Devil" Fence Tools.



No. 1900 "Red Devil" is a drop forged steel tool that should be in every greenhouse. Your wire fencing may need repairing, stretching or stapling. This "Red Devil" tool embodies every requirement of the fence builder. It is 11 inches long, gun metal finish and is for sale by hardware dealers everywhere. Ask your dealer for it. If you can't get it locally send us \$1.20 for ONE only sample.

SMITH & HEMENWAY, 501 Chambers St., New York.

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H. BAYERSDORFER & CO.

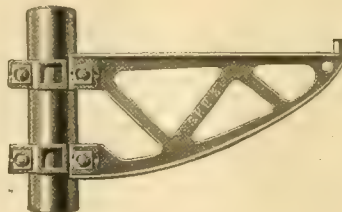


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Supplies.**

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KING Greenhouse Shelf Brackets



NOW is the time for Shelf Brackets. We have them and want to sell them—They are Malleable Iron and so do not break and cause damage at the critical time. Write for Bulletin and Information. We also want to figure with you on your new

GREENHOUSE

We can save you money and give you what you want. A reliable house that brings results.

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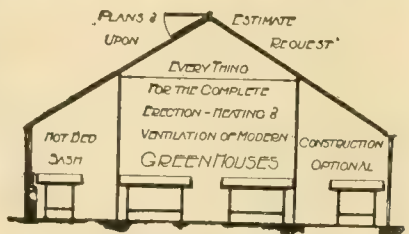
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 Fumigating
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A
 Success
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Kills
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 \$3.00
 The 100 lb.
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**Dreer's Peerless
Glazing Points
For Greenhouses**

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
 Samples free.
HENRY A. DREER,
 714 Chestnut Street,
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**FULL
SIZE
No 2**

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SIEBERT'S ZINC
 Never Rust
 GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{8}$ and $\frac{1}{2}$. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade

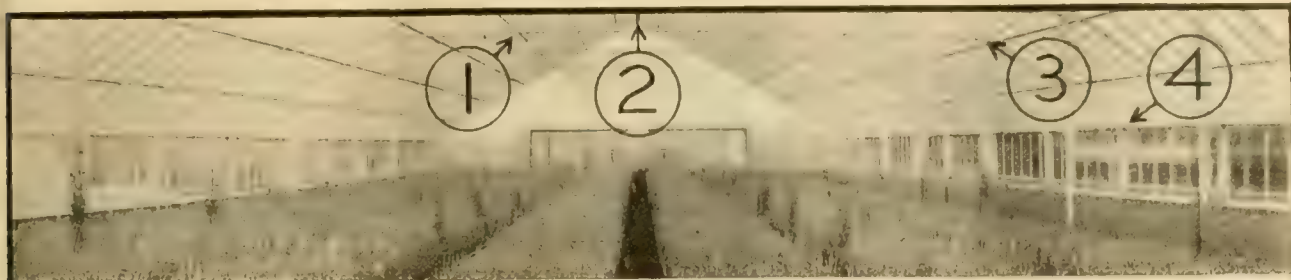
RANDOLPH & McCLEMENTS, Florists.
 5936 Penn Ave., near Highland, Pittsburgh, Pa.

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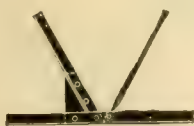
**Siebert's Zinc
Glazing Points.**
 Good for small or large glass, do not rust, easy to drive $\frac{3}{8}$ and $\frac{1}{2}$ inch Per lb. 40c. 5-lbs. \$1.85. 20-lbs \$7.00

Vaughan's Seed Stor
 Chicago. New Yo

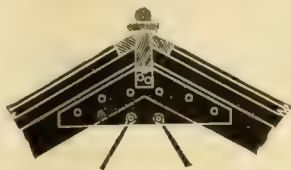
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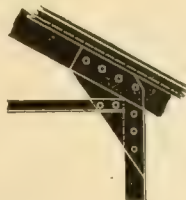
Don't forget this important fact:—every cross tie is **DOUBLE** angle iron; every gusset plate at the eaves is double.



No. 1. Joining point of double angle cross tie strut and ridge rod tie support.



No. 2. The ridge, showing the wrought iron joining plate with the ridge rod cross tie support bolted to it.



No. 3. Column gusset plate (double) rigidly tying together the angle iron column, the angle iron cross tie (double) and the steel rafter.



No. 4. Double gusset plate bolting together the guaranteed wrought iron post and steel rafters.

Important Construction Points

In the Wm. R. Nicholson New House, at So. Framingham, Mass.

IT'S an iron framer, 52x200. It was erected right over a smaller wooden house which was not removed until after the Decoration Day stock was sold.

It is our two column compression truss design.

The columns are not pipe, but made at our factory by bolting together two angle irons. You can at once see what strength such a column, made such a way, must have.

The supporting and non-buckling strength of columns made this way is so great that we can place them about 40 feet apart and still be able to use only an exceedingly simple form of compression trussing.

When you walk in this house of Nicholson's, you scarcely notice the columns, they are so wide apart.

There are two things you do notice, however, and **keep on noticing**; they are the convincing rigidity and surprising lightness of the entire frame; also the particular attention given to each part that **every part** shall have abundant strength.

It is evident that the construction has been carefully thought out and every stress and strain proved up by greenhouse engineering experts.

It was far from an easy task to sell Mr. Nicholson this house, because he is the kind of man that has to be shown and convinced step by step and part by part.

He tried every way possible to shoot holes in the way we proposed to frame it. In fact, he was one of the hardest men to convince, we ever had to deal with.

But ask him or write him about what he thinks of his house **now**.

Better yet, go and see it.

See for yourself.

Convince yourself.

Let the house do its own talking.

If you'll do this, we will run the risk of anyone else getting your order. If you can't go, we will gladly send you an interior photograph 24 inches long and full particulars.

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WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,

3503 Shields Ave.

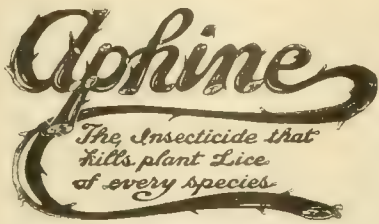
CHICAGO



Ventilating Apparatus

Send for our new catalog and price list of Ventilating Apparatus and Greenhouse Fittings. We have a line that cannot be equaled and we absolutely guarantee it to give you the satisfaction you expect. This is fair enough, is it not? Our equipment is manufactured by men who are especially skilled along this line who use only the best of materials. Ask your friends about us. You will then hesitate no longer.

Advance Co., RICHMOND, IND.



The Recognized Standard Insecticide.
Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Unlike Bordeaux and lime, and sulphur it does not stain the foliage, but cleanses it.

75c per Quart. \$2.00 per Gallon.

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A soil sterilizer and vermicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used 1 part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

□ All are spraying materials and are effective in the greenhouse and in the garden.

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Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals.

Madison, N. J.

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Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste)
Most Perfect White Paint Made.

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THE JOHNSTON GLASS CO.
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Bent Glass
Ground Glass

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We are leaders. Large stock, good prices.

SHARP, PARTRIDGE & CO.
CHICAGO, ILLINOIS

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YOU know nothing will take the place of manure in the greenhouse. It is bread and butter and beef steak to the flowers.

Wizard Brand is the best manure you can use. Clean, concentrated, convenient, pure manure and nothing else.

A wagon load of rough manure reduced to a 100 pound bag.

Better order ahead of the bad weather that is coming and be prepared for emergencies.

Insist on **Wizard Brand**. Your supply house can furnish it, or we will ship promptly.

The Pulverized Manure Company,
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You will save money if you obtain our prices before you buy
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Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

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WHOLESALE GLASS AND PAINTS,

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Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure



Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure,
An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets, etc. to sole makers. Write for prices, etc.

Wm. Thomson & Sons, Ltd., Tweed Vineyards,
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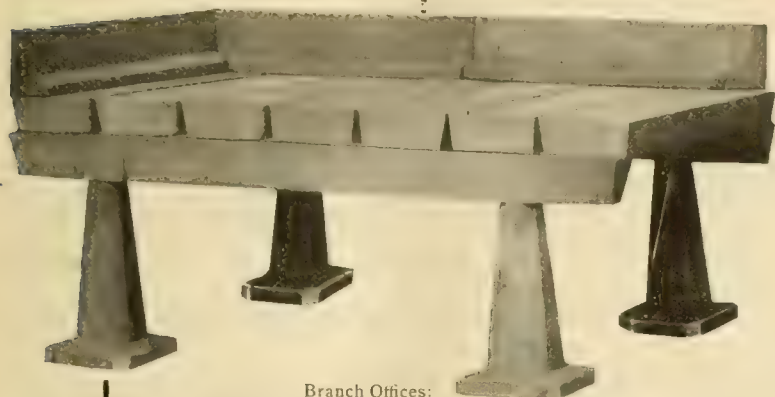
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GARLAND YOUR GREENHOUSES



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The Geo. M. Garland Co.

Main Office
DES PLAINES, ILLINOIS

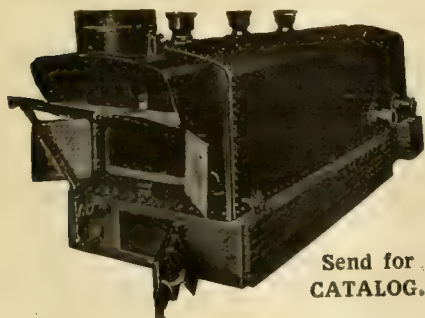
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Was installed to heat over ten million (10,788,000) square feet of glass during the past five years.



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The Kroeschell Boiler

Will give you more heat with the same piping required by other boilers, and with less fuel.

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"SUPERIOR"

**HOT WATER BOILERS
For Greenhouse Heating.**

Made in 9 Sizes.

**Superior Machine
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Always mention The American Florist
when you order stock.



Have Tomatoes
on the market
weeks ahead

Never mind the weather!

Your plants in hot-beds or cold-frames under
Sunlight Double Glass Sash will not mind it

Between the two layers of glass in the Sunlight Double
Glass Sash is an air space of $\frac{5}{8}$ of an inch in thickness

Above the glass is winter weather—zero perhaps. Below
the glass is warm earth and plants growing like May

The secret of it all, is that the air space between the two layers of glass being a non-conductor will not let the cold in or the heat out. It makes the Sunlight Double Glass Sash complete in itself. It needs no mats or boards. The only cover is the air sealed between the layers of glass.

You can have hot-beds and cold-frames with Sunlight Double Glass Sash far cheaper in the long run than your single layer sash with heavy, dark covers of mats or boards. You can save more than half the labor and worry and you can control your beds better and get earlier, stronger and far more profitable plants.

The Sunlight Double Glass Sash method comes right home to every gardener and florist in the country. It is good business to learn all about it.

Write us today. We will send our complete catalog, free. If you enclose 4c in stamps we will also send Prof. Massey's booklet on hot-beds and cold-frames. Be sure to write your name and post office plainly.

**Write for
these books
today**



Sunlight Double Glass Sash Co.

934 East Broadway

Louisville, Ky.

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50% SAVED.

Pipes, Flues

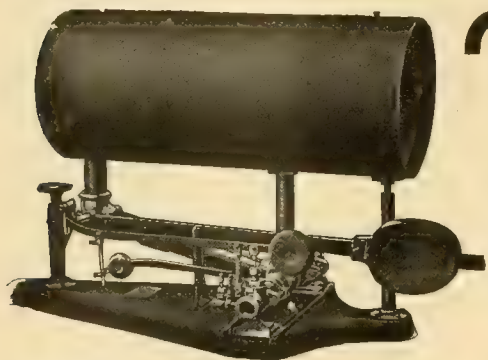
and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
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Boilers OF HIGH
GRADE.

For GREENHOUSES

See Our Catalogue.
Steam and Hot Water
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Where There Is Condensation

—there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

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—Stocks Carried
Philadelphia
Birmingham, Ala.

Memphis, Tenn.
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San Francisco

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**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches;
diameter of bowl, 22
inches; size of base,
14 inches; capacity of reservoir, 1½ gallons;
weight, 81 pounds. Order No. 4C12003, without
arms. Price\$4.90
4C12005, with arms, price.....\$5.65
Special price made to dealers for quantity lots.

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We handle everything from a pin to a complete
house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete
Greenhouse Heating Systems. Send for
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CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

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DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade

56 PINE STREET : : NEW YORK

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Pecky Cypress

Cedar Posts, Dropsiding
and Other Greenhouse
Lumber.

We are the largest retailers of lumber in the
world and can furnish you in quantities from wagon
to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY,
Retailers of Everything in Lumber.

Edgewood and Rosehill Branch: Balmoral
Ave. and C. & N. W. R. Tracks, CHICAGO.

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REED & KELLER,

122 W. 25th St., NEW YORK.

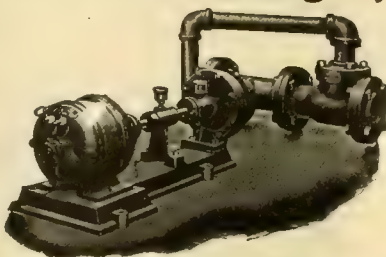
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We manufacture all our

**Metal Designs, Baskets, Wire Work,
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all Florists' Requisites.

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Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have
them for steam or hot water.

Taylor return traps for steam,
Syphon Circulators for water.

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36-38 Jackson Street,

BATTLE CREEK, MICH.

Use our patent
Iron Bench
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THE JENNINGS IMPROVED IRON GUTTER.

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Split Carnations Easily Mended with Pillsbury Carnation Staple

We find it very satisfac-
tory. J. L. DILLON.
Can't get along without
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2000 for \$1.00 postpaid.

I. L. PILLSBURY
Galesburg, Ill.



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog
Quaker City Machine Works.
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Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

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For sale by dealers.

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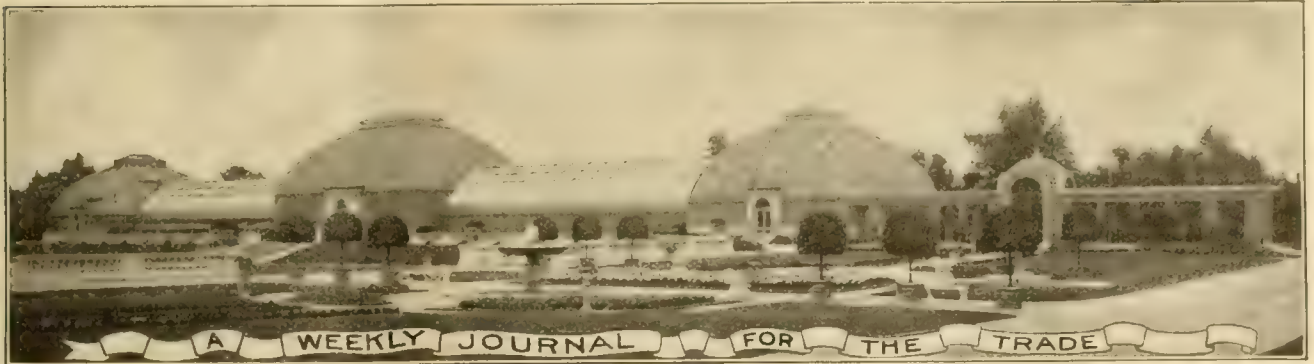
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Vol. XL

CHICAGO AND NEW YORK, FEBRUARY 1, 1913.

No. 1287

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address; Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada, \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August 3, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS — J. K. M. L. FAROUHAR, Bos-
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Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary. 54 West
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CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at Chicago,
November, 1913. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Genistas.

The plants of genistas should now be making their blooming growth and no further pinching will be necessary except in the case of long, strong growths which sometimes break from the stem and thereby spoil the symmetry of the plant, and these should be cut back as soon as they grow beyond the other flowering shoots. They can now be bloomed in succession by moving some into a warmer house, but those that are wanted at Easter are still better left in a cool house, one with a temperature of 45 degrees being the one that will produce the best results. These plants are never partial to great heat, reveling in a cool atmosphere, and often when taken into the warm living rooms where the air is extremely dry will soon drop their leaves. Those that are being grown to certain shapes, such as the balls, pyramids or baskets, will doubtless require some pinching back yet, but this should be done with great care or the flowering buds will be removed. A close examination of the tip of the shoot will clearly show whether the buds are forming and when this occurs all pinching must be immediately stopped. Any blind wood or extra strong growths that are cut out may be made into cuttings and young stock obtained. These will root much better in a cool propagating bench than in one where the bottom heat is confined. When the plants are full of bloom they will require heavy watering, and do not place them in a dry warm location for any great length of time.

Verbenas.

The verberna makes a very satisfactory bedding plant if properly grown, but the thin, spindly plants produced from late grown seed and planted in flats and baskets as closely together as is possible in order that they may be sold at a cheap price, seldom make any showing in the beds until very late in summer. The seeds should be sown early enough that the plants may be stopped and branched and grown in pots, and one plant so grown will make

more showing during the season than half a dozen of the poor plants so freely offered at the spring sales. It is really better to buy the rooted cuttings of selected varieties that are advertised at this time than to sow seed after the middle of February. Seed sown up to this date, however, can be grown on to make fine plants. Care must be exercised in the germination of the seed, which is often blamed for the carelessness or lack of knowledge of the grower, for the seed damps off very easily when it germinates, being very sensitive to any change in temperature and moisture. Until they begin to make growth, the plants should be watched carefully, never allowed to become dry, or exposed to any draughts.

Pelargoniums.

While all the plants so well known as geraniums are pelargoniums, yet it is the show or fancy type called by many Lady Washington geraniums that are generally known under this name. The plants that are wanted in bloom in April and May will now be in their blooming pots and beginning to show their blooming growths, but for June and July flowering the plants should now be shifted to the blooming pots, five or six-inch as the plants may require, except with large specimens, of which few are now seen. They like a turfy, coarse loam, to which may be added one-fourth well rotted manure, and if the soil is heavy a liberal amount of sharp sand to keep it open, and the plants should be potted very firmly. A cool, well-ventilated house should be selected for growing them, and until the days grow warmer and brighter they should be watered sparingly. In early spring, when they are well covered with foliage and the blooming shoots begin to grow, more water will be needed. A little stopping may be necessary if the plants send forth strong, long growths, to make the plant shapely, but care and judgment should be used in this operation, which should cease upon the appearance of the bud shoots, which are easily distinguished by the different manner of

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growth. Do not attempt to take any cuttings at this time, for after the plants are through blooming is the best time for propagation, and any cuttings taken now are pretty sure to rob the plants of the bloom. These plants are very subject to attacks of both red spider and green fly, and should be fumigated or sprayed regularly. As the extremely hot, dry days of summer approach a slight shade will be found very beneficial to both the plant and flowers.

Antirrhinums.

The grower of antirrhinums has an opportunity now to select the best plants from which to propagate the stock for another year, as the plants are now producing fine spikes and it is possible to select the best types. Those that have fine large flowers set closely together on the stem, and yet not close enough to crowd, are to be preferred. The earliness of blooming is another matter to take into consideration. It will be found in raising these plants from seed that there is a great difference in their time of blooming, and for winter flowering the earliest that there are of good type should be chosen. There are plenty of good cuttings to be obtained now for the laterals which grow from the axil of each leaf make the best cuttings and the flower is enlarged by their removal. Plants that are in bloom will be benefited greatly from now on by feeding either with liquid manure or a strong mulch, and the next growth thinned to eight or ten shoots, which will insure a much better crop for spring cutting than to allow all the small shoots to grow. Keep the plants tied erect all the time, for it takes but a few hours' sun to draw the tip up from a stem that leans away from the center, with the result that a crooked stem is formed, which greatly impairs its appearance. These spikes of bloom should be handled very carefully, especially the long sprays, for they are very brittle and break easily. It is better not to cut too many at once. When cutting hold them with the heads hanging down, and when there are as many as can be easily held in the hand cut, take them at once to the flower room, trim off all surplus growth and tie the stems a dozen in a bunch, then loosely tie strings around the center and toward the top of the bunch, and place the stems in a deep jar of water. This prevents crooked stems, so often seen, for the plant continues its growth after being cut, and if allowed to hang away from the jar the blooms grow crooked.

SAGINAW, MICH.—The Wm. Roethke Floral Co. expects to build a new greenhouse as soon as weather permits.

GARY, IND.—John Owens, proprietor of the Boulevard Heights Greenhouses, has purchased the Gary Floral Co., which has been in business about a year under the management of Mrs. Kay M. Wells.

WORCESTER, MASS.—Harry Q. Randall has started in the cut flower business at 3 Pleasant street. This place formerly was owned by C. D. Mackie. Hereafter it will be known as the Randall Flower Shop. Everybody wishes Harry success as he has been connected with the florist business in Worcester for the past twenty-five years. He has secured the services of William Soden, who has had much experience as a designer and decorator.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Helen Gould's Wedding.

The wedding of Helen Gould and Findley J. Shepard took place in the old Gould mansion, which commands a long range of view to the west and north, overlooking the Tappansee, the widest portion of the Hudson River. The ceremony was performed in the south parlor, the bride and room standing under a bower of tall Kentia palms and Areca luscens—the foliage gracefully drooping over at the top, forming a complete bower. Interspersed in this bower were Lillium longiflorum in profusion, which together with the white satin priedieu and the wedding aisle formed of white aisle posts (each post decorated with a bunch of white roses) and broad white satin ribbon, produced a very artistic effect.

The palms used in the decorations were from Miss Gould's own spacious

with a decoration of some very tall specimens of Caryota urens, or fish-tail palm. These plants were 12 feet high, and branchless except at the top. The graceful foliage produced a very pleasing effect. The flowers here were American Beauty roses (long stemmed) in deep vases.

The art gallery on the second floor was decorated with foliage plants and long stemmed American Beauty roses; the other rooms on this floor with cut orchids (principally cattleyas). The bride carried a bouquet of lily of the valley and orchids (*Phalenopsis amabilis*). The groom wore a boutonniere of gardenias.

The ceremony was witnessed by a number of wealthy and some titled relatives; but one unusual feature of the wedding was the admitting of thirty-five or forty employees on the estate, to the ceremony. These men, headed by Supt. Robbie, filed into the main hall, then opening the ranks. The bride, leaning upon the arm of her brother, George J. Gould, descended the stairs and greeted her employees, almost individually, by a bow and a smile.

The employees remained until the marriage ceremony was performed. Some time after the ceremony, and characteristic of the now Mrs. Shepard all the reporters were invited into the house to view the decorations and the presents. The photographers, with their cameras were also granted the same privilege.

The decorations were entrusted to Alexander McConnell, as have the other large Gould functions, since 1895. Mr. McConnell and Superintendent Robbie, of the Gould estate, both deserve great credit for the manner in which the decorations were carried out.

A. F. F.

St. Valentine's Day Suggestions.

The constantly growing demand for novelties and attractive special holiday windows is the best evidence of an increasing appreciation of the florist's art, which, (until lately) as compared with other arts, has had but a small degree of general attention. Some of us think, because we sell flowers that only flowers should be displayed in the window. But now a concentrated effort is being made and systematically undertaken, not only to attract by nature's beautiful flowers, but so to arrange and combine them as to make them still more attractive. In other words to give them a constantly different setting.

Our old-time florists may say this is not necessary, but times are different now and it is necessary in the flower business to take note of the larger advertising possibilities and the larger financial returns produced by making the window a special attraction as each national or other holiday appears on the calendar. Especially is this true of St. Valentine's day for it offers many pretty suggestions.

The fashioning of an attractive heart—one of good size and dimensions—made of wire and about two feet in height, the wire bound with red satin ribbon and on the upper left hand side an artistic arrangement of red roses (*Meteors*) or red carnations, will be an excellent setting for the center of the window. This should be suspended from the ceiling, or on either side, as a more elaborate setting, make two artificial trees. Place the

Spring Flowers

BEAUTIFUL daffodils, tulips and jonquils in various bright colors growing in unique baskets and boxes, affording practical center pieces for informal luncheons and at homes. A variety of spring flowers fashioned into a French bouquet is unquestionably a handsome surprise bouquet of the season.

Orchids 25c and 50c each. Gardenias 25c each.

Freesia 25c per dozen.

Purple and white violets. 60c to \$1.50 per hundred.

Purple and White Lilacs, carnations 25c doz. & up.



Baskets of violets trimmed with fancy silk cord, also maiden hair fern, 50c each and up.

These daintily fresh little ideas continue to be a great favorite with flower lovers.

Growing plants in handmade twig baskets, \$1.50 each. The \$1.00 box of cut flowers ready for inspection contains indefinitely a variety of mixed flowers.

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greenhouses. The ceiling of the parlor was garlanded with heavy strings of *Asparagus plumosus* interspersed with white roses, suspended in the garlands. Two broad mantels were banked, and filled with lilies of the valley. The fireplaces were banked with a fine variety of large crotons. Above the mantels a fine effect was produced by clusters of long stemmed American Beauty roses.

At the extreme south end of the house is the sun parlor. This room was draped with Alabama smilax and groups of growing orchids fastened to the walls. The music room was effectively decorated with asparagus and Pink Killarney roses. The library was decorated with American Beauty roses and *Asparagus plumosus*; the dining room with Radiance roses and Alabama smilax.

The buffet table was decorated with White Killarneys. These decorations were two feet 6 inches above the table and very effective. The table was garlanded with smilax, white roses and lily of the valley. The hall was treated

stump in a red basket or small tub. Cover the trunk and all branches with rose foliage. Then arrange small red wire satin hearts, or rather the wire hearts covered with red satin ribbon (wound tightly) and on which three small rose buds have been tied. Attach these to trees at different branches. A few large red roses can also be attached to different branches—at the top of the tree, for instance, and in such places where they alternate with the hearts. These trees should be so placed that the large center heart point will just reach a center between the trees. From under the crown of the trees stretch a red satin sash ribbon across, allowing the ribbon to fall loosely. On the ribbon the words "St. Valentine" should appear in gold. Use palms for a background and small ferns in the foreground, around the base of tree tubs or baskets.

As selling novelties which can be used for the day, take the ordinary kind of basket which can easily be enameled a rich red color and fill with baby rambler roses, placing in them the tiny specimens which are obtainable now. The small Japanese baskets enameled red will also look well with red carnations and a few sprays of lily of the valley. Red heart shaped baskets will make an acceptable Valentine gift arranged with marguerites and lily of the valley. The valentine boxes which are most attractive are those having the white covers with a red heart cut effect in center in which the sender's card is placed. A few of these can be advantageously placed in the window at one side, tilting the cover so as to show a bunch of violets. The violets should be arranged with a violet bouquet dolly of paper, or even white will look well. To further embellish the cover a rosette of white gauze or one of red can be prettily and jauntily arranged at the side of the tilted cover.

If you have glass trays suspended in your windows, as is quite the thing for display purposes, especially where boxes of flowers are to attract the attention of the casual passerby, heart shaped corsages can be shown to good advantage. In finishing the heart shaped corsages use the shower streamers made of baby red gauze ribbon in which a green carnation bud has been tied. Perhaps, nothing could be finer for a valentine than the old fashioned bouquet made of a miscellaneous collection of flowers, such as a few red carnations, a goodly bunch of Meteor roses and a few fine sprays of mignonette, a spray of paper white narcissi, a tulip, a hyacinth and a little boxwood for a green finish. Cover the handle with green foil and instead of the regulation ribbon bow use about a dozen long loop strands of green and red ribbon of about an inch in width. The green should match the mignonette and the red the shade of the roses. A heart should be placed in among the ribbon loops and on the sender's card might be suggested the following inscription:

"A simple little nosegay,
Yet not without some art;
For somewhere in its make-up
Is Cupid's hidden dart."

A. E. K.

NEW BRITAIN, CONN.—The Voltz Floral Co. of this city has incorporated with a capital stock of \$20,000. Arthur G. Voltz, Rose Voltz and Albert Voltz are the incorporators.

Philadelphia Retail Florists' Association.

There have been a number of rumors floating about regarding the motives that prompted the organization of the Retail Florists' Association of Philadelphia, Pa. Many of them are wide of the mark, some made by men who fear the retail florists will boycott them for selling to the curbstone merchants or for some other fancied wrong that no one else ever thought of. This not yet "fully fledged" organization is the result of a few leading spirits in the retail ranks who believed that much good could be accomplished along lines pertaining to this particular branch of the trade if their co-workers would get together and work as a whole to bring about several important reforms or changes in the business.

There is no animus or ill-feeling back of the movement. The aim of



Alexander McConnell.

The Veteran New York Florist, who Arranged the Decorations for the Wedding of Helen Miller Gould to Findley Johnson Shepard.

the organization is to be uplifting, to put into concrete form the best ideas of the many, which after adoption cannot help but be of benefit, not only to the members themselves, but to the whole trade. There are three branches of the trade—the grower, the commission or middle man, and the retailer. To be successful in any of these branches requires skill or knowledge to be attained only by experience in that particular line. The groundwork of all and without which none can be successful is business instinct.

The retailer is often taken to task by the other interests for his lack of aggressiveness. The grower says he does not push this or that new rose, or other new flower that the grower thinks is a good thing, and which the public are standing ready to buy; only they cannot get it because the retailer will not carry it in stock. The commission man complains because the retailer will not stock up heavily in times of overproduction and help carry a part of the load which is demoralizing the market and which they feel sure could be disposed of by a little more aggressive work on his part. The growth of the business in the last ten

years has been phenomenal and while the retailers may not have kept up the pace, which I, however, very much doubt, there seems to be an overreaching on the part of the grower which results in a situation which at times is very demoralizing to all concerned.

One of the salient features of this new movement is to help the market by creating an added demand for flowers. The public are to be taken into hand, they are to be given facts about flowers concerning their beauty and their appropriateness for this or that occasion. Much is to be made of their use for the various holidays of the year. A stop is to be put to the "negative" stories that go the rounds of the daily press and frighten the public off by their tales of high and fancy prices at holidays and other special seasons. People are to be given to understand that flowers are a necessity, that they are not dear, or high priced, but can be had at prices to suit any purse. A plan is proposed that at seasons of overproduction with the co-operation of all branches of the trade, the public will be notified through the reading columns of the press of special sale days when they can go to their florist and buy for that day flowers at a great reduction. Correct information is to be given about house plants, mentioning those best suited for the purpose. Simple cultural directions will also be given so that even those without luck will be successful.

Most of this information will reach the public through the columns of the press, without cost except that of preparation, the expense of which is to be defrayed by all interests alike, and by putting the various branches to the test it will be seen who is lacking in aggressiveness. There are other features that concern this branch alone, such as protecting themselves from those who do not pay their bills. The matter of the commission men entering the retail field is also one of the problems that may come up for arbitration. Social matters will also be taken up later. That will be one of the enjoyable features of the new organization.

ROBERT KIFT.

ROCHESTER, N. Y.—Articles of incorporation have been filed by the Advance Gardens Co., Inc., to do a general garden business. The firm is capitalized at \$20,000 and those interested are Walter Crews, Frank P. Amsden, Geo. E. Priest, L. W. Layman and C. W. Burdick.

SPOKANE, WASH.—Officers for 1913 elected at the recent meeting of the Spokane Horticultural Society are as follows: John W. Duncan, president; Denton M. Crow, vice-president; Alexander Carr, secretary; A. F. Kelly, treasurer. The following were chosen as the executive committee: William J. Burnette, Samuel Younkin and Adam Noble.

PROVIDENCE, R. I.—The following officers were elected at the annual meeting of the Rhode Island Horticultural Society: Thomas Hope, president; Robert H. I. Goddard, Geo. P. Wetmore, Prof. Wm. W. Bailey, Eugene Appleton, Prof. H. J. Wheeler, John J. Dunn, Chas. W. Smith, Harold L. Madison, Dr. H. W. Heaton, and Marcus M. Burdick, vice-presidents; Richard M. Bowen, treasurer; Arthur C. Miller, secretary.

THE ROSE.

Propagation.

One of the most essential things in rose culture is to start right. To have good healthy bushes that will give good flowers during the winter months, care must be taken to plant nothing but the very best stock and in order to have good stock great care must be exercised in propagating.

Many of the diseases which in after life affect the rose are contracted either in the cutting bench or are perpetuated by propagating diseased or weakened wood, through lack of knowledge of the requirements of the cutting or through carelessness. Opinions regarding the best style of a cutting are almost as numerous as growers, some persistently advocating one-eyed cutting while others advocate as earnestly two or even three eyes. Some again recommend that cutting be taken from flower stems, while others are content to use blind wood entirely.

In such varieties as American Beauties and Richmonds where canes from the bottom are desirable, cutting may be taken with three eyes, leaving two eyes above the bud and one at the base of the cutting. Many growers have condemned this practice, but as it has worked well with me and with many others—I give it for what it is worth and recommend the younger grower to give it a trial. Such varieties as Maryland, Killarney and the yellows, do well with one or two eyes.

After many years' experimenting I do not think it makes much difference whether flowering stems or good strong blind wood be used, the after treatment of the cutting being of more importance. We must also take into consideration the expense attending propagating from flower stems. Few modern growers would care to denude their plant of buds when, because of dark and short days, roses are scarce and command their best price. But whatever style of wood is used, it ought to be carefully selected, rejecting all weak, strawy wood and taking only that which is in a right ripened condition and growing on the most vigorous and healthy plants, taking special care to pass by all such plants as have foliage the least bit off color.

In making the cutting, use a keen edged knife, making a clear, short cut, and avoid a long slicing one, as the smaller and cleaner cut will callous more quickly and give roots of better arrangement than the longer cut. From the time of taking off the wood until it is in the sand, it should be kept moistened to prevent wilting. In preparing the bench remember that cleanliness is most essential to success. The bench ought to be thoroughly washed and should have a coating of hot lime rubbed into every joint and crevice.

Clean, sharp sand from river or pit, not too fine, is a good propagating medium. Put it on the bench to the depth of five inches, water well and pound firm. With a common butcher knife draw a straight line across the bench at a depth of one and a half inches; do not go deeper as it is better to have every cutting touch bottom than to have them hang. Put the cuttings in neatly from one to two inches apart, according to the size of the cutting, (American Beauties will require lots of room) press the sand firm-

ly along the line, then make another parallel to the first at two inches distance. Water well and never allow the sand to become dry, as wilting at this stage is ruin. Syringe lightly, so as not to disturb the cutting, as often as necessary.

In shading, a very thin cheese cloth answers the purpose very well. This ought to be arranged in such a way as not to be too near the cuttings and should be easily removed during nights and cloudy weather or just as soon as the sun ceases to shine on the bench, as cuttings will root more quickly and be of better quality by having all the light available, though of course not the direct rays of the sun. The temperature of the sand should be as near 60 degrees as possible, with a house temperature of 50 to 52 degrees. By carefully attending to these rules the cutting will be in a fit condition to pot in from 28 to 30 days. C.

SPRINGFIELD, O.—The Springfield Florists' Club held its January meeting at the home of B. C. Blake.

SAN BERNARDINO, CALIF.—The associated chambers of commerce of this county will petition the legislature to appropriate \$1,500,000 to establish a horticultural experiment station in the northern part of this state.

ATLANTIC CITY, N. J.—W. R. Thoms reports business very good. He has a larger stock this year and is doing a much greater business than before. Owing to the bad weather, there is much sickness and this calls for many bouquets and boxes of cut flowers.

CHRYSANTHEMUMS

Varieties to Propagate.

In a very little while it will be time to begin propagating the stock for the coming season's plantings, and before starting in on this work it is a good plan to map out the planting, figure up the quantity of the varieties required and then work up the stock to meet these requirements. The grower who kept a record of the results obtained last year from each variety knows exactly what to figure out for the coming season. He can tell whether with him the variety Ivory or any other, as the case may be, suffered in comparison with Chas. Razer, or some other white of larger size. He also knows whether it is advisable for him to drop any of the yellows, such as Monrovia, Robert Halliday or Donatello, to make room for increased plantings of Chrysolora or Ramapo. He also has at hand the data of how much of the very early varieties Golden Glow or Smith's Advance the demand of his trade will warrant him planting. Furthermore he can tell where he stands as regards the planting of the pompon and single varieties.

To those who are not so well acquainted with the several varieties or any who may wish to add to their list of varieties, a few notes of our experience of the last few seasons may be useful at this time. The demand with us for chrysanthemums before October 1, or until the asters are



GENISTA RACEMOSA.

Bush Form.—See Page 53.

finished is not enough for the varieties Golden Glow and Smith's Advance to be profitable for us to grow; and as our space is limited we have come to the conclusion that we can get better returns from some of the later varieties. So these two will have to go, but this does not mean that they are not profitable elsewhere. However to those who are growing them for the first time I would advise timing the buds so that the blooms are ready to cut around September 15 or as the asters begin to wane, because with the exception of a very few instances the blooms that have appeared earlier than this have not been very tempting.

Starting with the early part of October we commence with Polly Rose for white. I place this variety first because of its dwarf habit and when well grown it is equal to any other white of its season, but it should be propagated early and given a long season of growth to get it at its best. The cuttings should be ready to come out of the sand, March 15, potted into 2½-inch pots, then repotted into 3-inch pots, April 15 to May 1, and planted into the bench the latter part of May. This variety requires close attention to keep the side shoots pinched out. I do not know of any other that needs closer looking after in this respect. October Frost is another popular early white. It is a tall grower and requires early planting. But when grown strong and the early bud taken we do not favor it as much as Polly Rose.

White Gloria is a new variety of 1912. It is a sport of Gloria and is a fine variety for high class trade, but it must be handled carefully because the flowers bruise easily. Virginia Poehlmann is another fine incurved white of sterling commercial qualities, but is hard to propagate, consequently it is not grown in very large quantities. However, if it is given extra care it will repay for it. Clementine Touset is a variety that was grown in larger quantities a few years ago, than it now is. It is a beautiful white when well done, but is liable to come uneven, consequently it does not average as well as some others. Early Snow and Mlle. Arlette Dubois are new early whites highly recommended, but I am not acquainted with them enough to pass upon their qualities.

Ivory is still the standby of the second early white varieties for side benches. This is one of our oldest varieties, yet it is astonishing how very few growers there are that really understand the treatment that it requires to bring out its best qualities. The cuttings should be rooted in February or early March, potted up in light, sandy soil, and given a temperature a little higher than that given the others, because the wood is so hard it is slow to move in a low temperature. When as the growth is made the plants should be potted along and given every encouragement to stretch out and make growth. They should be planted into the beds not later than June 15. Owing principally to the formation and the hard nature of the foliage of the Ivory family it is among the hardest subjects of all the chrysanthemums to keep clean of red spider and thrips but fortunately it will stand liberal syringings.

Chas. Razer, another early white that has come to the front quite largely in the last few years, is of fine



GENISTA RACEMOSA.

Standard Form. — See Page 53.

form and petalage and easy to grow. It is of good size, a beautiful variety. The white varieties of the mid-season and later have not been increased during the last two or three years by any valuable acquisitions from a commercial standpoint and Timothy Eaton, Chadwick Improved and W. H. Chadwick are grown in larger quantities than any others. Among the exhibition varieties are the fine whites like Naomah, Mrs. David Syme and Wm. Turner, which can be grown successfully for first class commercial trade if given special culture. Some growers complained of Mrs. Syme being soft in petalage during the past season, but with us it proved to be very satisfactory.

Pacific Supreme, though not entirely satisfactory owing to its heavy foliage and coarse growth, is still a good early pink, but the new variety Unaka appears destined to take its place as the best early pink for the beginning of October. Gloria is a beautiful shade of pink, but unfortunately it lacks substance for ordinary commercial purposes. We will grow a small batch, because it is at its best when other

pinks are scarce and there is a demand for this color.

We have a strong selection of pink varieties to choose from, but a number require special treatment to bring out their best qualities. This together with the heavier demand for white and yellow has caused the pinks to be somewhat neglected. During the last two years we have a number of very beautiful shades of pink added to our list, namely: Manhattan, a light pink of clear even color; Hirondelle, a bright rosy color of good form; Mme. Corday, a fine early variety; Pink Gem, perfect in form and color with that silvery sheen to its petalage that is so pleasing with some varieties; Smith's Sensation, a very fine new pink of 1912, a variety that brought forth more favorable comments than any of last year's novelties and will be more largely planted this coming season. It is also large enough for any exhibition company. As a variety in fancy pink colors I would advise trying small quantities of some of the larger exhibition varieties that are a little different from the general run of commercial stock. The last season we

had some very fine blooms of the varieties Reginald Vallis and M. Loiseau that were satisfactory in every way and well repaid the extra care given them.

We are "strong on" yellow varieties in every section, early, late and mid-season with plenty to select from to meet our every requirement, but do not overlook the varieties Chrysolora and Ramapo. Both are very fine yellows for October. It is indeed a great pleasure to handle such varieties as these and I would again advise to try a few others a little different from what is common on the market. Mrs. J. C. Neill is a great favorite with us and always responds wonderfully to our treatment. Mary Donnellan also is one that we like. We were successful with this variety last season. It was grown in stiff soil, so that it was kept a medium dwarf. Naceur Bey was another that opened our eyes when we found out what we could do with it when grown in a commercial way. There are many others that with a little extra care will respond most surprisingly.

Another word for the crimson and light bronze colors. It sometimes appears to me that we form an altogether too hasty judgment when we pass some of these varieties as of not any use commercially. Try them out more and study their requirements as to culture so as to bring them to perfection, and I believe that there will be some surprises in store for us. A word now as to the stock plants. See that they are not neglected. Give them a cool light position and pay close attention to the watering. They do not need to be kept wet all the time, but it is also important that they do not suffer for water so that the stems become hard and wiry. Another very important point is to keep them free from insects and though there is every opportunity for fumigating at this season, we also keep the spray going as well and find that it pays.

C. W. JOHNSON.

ABERDEEN, WASH.—Fire which started in the boiler room of the Ellis greenhouses did damage to plants and buildings to the extent of \$2,500.

NEW YORK.—Frank C. Kronmeyer, Harry B. Mulliken and Edgar J. Moeller have incorporated the Flushing Rose Gardens, capital stock, \$40,000.

PEORIA, ILL.—Plans are already under way for the annual convention and exhibition of the Illinois State Florists' Association to be held here March 4-5.

DAVENPORT, IA.—Henry Meyer has been chosen secretary pro-tem of the Tri-City Florists' Club to succeed the late John T. Temple until the election, March 13.

KEARNEY, NEB.—Although a blaze in the Green Floral Co.'s greenhouse was extinguished with a small loss, the lack of heat following the fire resulted in the freezing of \$400 worth of plants.

LANSING, MICH.—The board of control of the Michigan Agricultural College will ask the state legislature to make appropriation for a new horticultural building among other improvements.

EDWARDSVILLE, ILL.—President Chas. W. Loveridge, Secretary J. F. Amman and Treasurer Frank L. Washburn of the Illinois State Florists' Association, met here Tuesday, January 28, to arrange the programme for the meeting at Peoria, March 4-5.

WITH THE GROWERS

Gude Bros. Co., Washington, D. C.

Among the younger men who have achieved great success in the cut flower business none are more worthy of mention than Adolphus and William F. Gude of Washington, D. C. In the past few years they have been rapidly increasing their glass area till it now comprises a total of about 300,000 square feet, and the output is an immense amount of good stock. Though they have for years been known as large growers of American Beauties and other roses, they by no means confine their activities to these flowers.

On a recent visit we noted several houses of gardenias, all in fine condition, and blooming freely. There was evidence also of a great Christmas cut. As an example of the extent of their American Beauty growing it may be stated that they have about 20,000 plants of fine special stock, much of which is used in their own large retail business but a great deal also is sold at wholesale. In the other roses they have been equally successful. The Killarneys, Radiance, My Maryland, Richmond and other varieties are all successfully grown and when carnations, sweet peas and various other stocks are added the exhibit at their F street store each morning is very fine.

One of their late ventures which has attracted much attention was the purchase of the range once conducted by the American Rose Co. When the Gudes acquired this property the houses were in poor condition and they have gone steadily forward building and improving until it is now a fine range. In addition to very fine crops of roses, sweet peas of the finest quality are grown at this range, which is situated on the Bladensburg Road about 3 miles from their Anacostia range. Adolphus Gude superintends both ranges, making the rounds daily by automobile.

At the Anacostia range, in addition to what has already been enumerated, many good single violets are grown as well as a great stock of fine pot plants, azaleas, lilies, rhododendrons, primulas in variety being very noticeable. Wm. F. Gude is the store and sales manager, and this with his activity in District and society affairs makes him a very busy man. The visitors to this interesting firm are always sure of a hearty welcome, for the Gude Brothers are never too busy to be hospitable.

A. F. F.

Baur & Steinkamp, Indianapolis, Ind.

Baur & Steinkamp extended an invitation to the members of the Indiana State Florists' Association to visit their greenhouses, January 14. Quite a number of visitors accepted the invitation and all seemed well paid with their visit.

This firm has three large carnation houses, each 350 feet long and I think 40 feet wide. All their carnations were producing a heavy crop of first-class blooms. Several varieties were carried over stock, and judging from the appearance, much of this will be done another year. However, Mr. Baur informed us that for the best results it was necessary to cut plants back about May 15. This, of course, would

cut a crop short for Memorial day, but whether enough extra flowers would be produced from the plants cut back or carried over during the winter is something that has to be proved.

At the time of our visit the carried-over plants of Gloriosa were a sight, with buds and blooms of the very best quality. In white Shasta, White Wonder and White Enchantress were the leaders. St. Nicholas has done well again this winter and has proved to be a "bread and butter" kind.

However, the finest sight on the place was their new scarlet, Radiance. It seemed to be everything desired in a red carnation. It has size, color, stem and early free blooming qualities. I understand it is not to be placed on the market until 1914. After spending an hour or so with the carnation plants, Baur & Steinkamp invited the visiting guests to take luncheon with them, and were escorted to the Commercial club rooms, where the inner man was well provided for.

W. W. COLES.

J. W. Davis & Co., Bettendorf, Iowa.

Workmen are putting on the finishing touches to the last house of the new range of the J. W. Davis Co., Bettendorf, Ia. The new plant will be devoted to flowers exclusively and will consist of three houses, 34x300 feet each. The buildings are of Lord & Burnham construction, steel frame with concrete wherever possible. A fine brick work shop and boiler room was also added. The smokestack is 100 feet high and built large enough to accommodate several more boilers. It is as up-to-date a place as can be found anywhere.

The first range built by the Davis firm and devoted mostly to the forcing of cucumbers, consists of three houses 34x600 feet, two houses 64x600 feet and one house 34x300 feet. These are also of steel and concrete and of Lord & Burnham construction. Everything in connection is as up to date as money can make it. Six 150 horse power boilers do the heating. All are fitted out with the latest improved flue blowers. The condensation is pumped back into a large steel tank elevated above the boilers, where the water is kept hot, so in case of a sudden change in temperature and before the water would get back through thousands of feet of pipes, and naturally would be cold, the boilers are replenished out of this tank, and, the water being hot, does not lower the temperature.

So perfect is the heating system that the far house—more than 1,000 feet away from the boiler—is heated with only 1½ pounds pressure on the pipes. A steam main from the boilers to the farthest house has been put in to be used in case of a break down. The establishment is lighted by electricity, having their own electric light plant. A private telephone connects the office, work room, boiler room, greenhouses and the residence. Air pressure raises the water out of a drilled well into a cistern, where it is pumped to the main by steam all over the place. Fifty thousand gallons of water are used each day. A box or crate nailing machine is being installed, as some 400 boxes are used each day.

Cucumbers are shipped as far west as Butte, Mont., and east into Ohio. One house, 34x600 feet, is devoted to sweet peas this winter, and at the



W. W. Coles, Kokomo.
President Indiana State Florists' Ass'n.



John Hartje, Indianapolis.
First Vice-Pres. Indiana State Florists' Ass'n.



H. L. Wiegand, Indianapolis.
Treasurer Indiana State Florists' Ass'n.



W. J. Vesey, Jr., Fort Wayne.
Second Vice Pres. Indiana State Florists' Ass'n.



Oliver Steinkamp, Indianapolis.
Secretary Indiana State Florists' Ass'n.

INDIANA STATE FLORISTS' ASSOCIATION OFFICERS.

time of the writer's visit (January 22) 20,000 blooms were being picked per day. It surely was a grand sight to stand at the end of one house and look over 600 feet of sweet peas all in their glory. Four houses are devoted to cucumbers, and they surely did look great—"cukes" 16 to 18 inches long everywhere. Radishes, beets and beans are raised between the cucumbers as catch crops. One house, 34x300 feet, is filled with tomatoes, and by March 1 will be in full crop.

Thirty-five employes are on the payroll. It takes about four carloads of coal a week to keep things warm. The night man, who regulates the temperature, walks 15 miles every night in the performance of his duty. A passenger and also freight depot are right on the place, and everything shipped in or out has only to be moved about 25 feet. A one-horse wagon is all that is really needed to do the hauling, and that is only used for local deliveries. THEO. EWOLDT.

The Late Lydia C. Conard.

Lydia C. Conard, widow of Alfred F. Conard, died in her seventy-fourth year at her home in West Grove, Pa., January 21. She had been in good health up to September 28. On that afternoon she suffered a stroke of paralysis, from which she never recovered. All her life she was a member of the orthodox Friends' church and true to the principles she had learned in her youth.

She was born near West Grove, on the old homestead farm, a daughter of Samuel and Mary Ann Hughes, and is survived by a brother, Mark Hughes, of that town, and a sister, Hannah, widow of Edward Savery, West Chester.

Her husband, who died some years ago, was for many years a partner of the late Charles Dingee, they having organized the firm of Dingee & Conard. Later this firm was dissolved and Mr. Conard organized the Conard & Jones Company, in which he was active up to the time of his death.

Parkersburg, W. Va.

Chas. Dudley of the firm of Dudley & Son has been elected president of the Parkersburg board of commerce. This is the highest honor business men can confer upon a citizen of their town. Mr. Dudley is a very progressive man and believes in doing large things in his own business. He has brought about the success of two branch stores, one operating in Huntington, W. Va., another in Clarksburg, W. Va. The greenhouses comprising about 150 square feet and main store, are located in Parkersburg. D. J. Dudley, the youngest brother of the firm, will wed Miss Julia Savage February 12. Miss Savage is a very prominent girl of Parkersburg and the two are busy attending to many parties given them by their friends. D. J. Dudley attended West Point Academy for two years. However, the flower business offered greater opportunity, so he left to go into business with his brother. ARYDOS.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year, Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application. From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday. We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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Florists' Hall Association.

President E. G. Hill, of the Florists' Hall Association, has appointed J. F. Ammann, of Edwardsville, Ill., vice-president of the association to fill the unexpired term caused by the death of John T. Temple.

JOHN G. ESLEK, Sec'y.

Society of American Florists.

President Farquhar has appointed the following as the tariff and legislative committee: Patrick Welch, Boston, Mass., chairman; Patrick O'Mara, New York city; James McHutchison, New York city; J. Charles McCullough, Cincinnati, O.; Philip Breitmeyer, Detroit, Mich.; Wm. F. Gude, Washington, D. C.

JOHN YOUNG, Sec'y.

Western Gladiolists Don't Stick.

E. S. Thompson, Benton Harbor, Mich., has issued a call for a meeting of the Western Dahlia and Gladiolus Association, to be held at Chicago, February 7 and 8. We understand this organization has about six members. H. W. Koerner, former vice-president, has announced his withdrawal from the association and other prominent western growers claim the organization has scarcely established itself in the trade; they say one society in the interest of gladioli should be for the present sufficient.

American Gladiolus Society.

Public notice is hereby given that the following named varieties of gladioli have been registered by the nomenclature committee of the American Gladiolus Society for the originator, John Lewis Childs, Flowerfield, N. Y.:

RAISER'S DESCRIPTIONS.

Fireflare—Bright, soft salmon-rose, with beautifully marked and rayed center. Flower large, perfect and of great substance. Spikes stout, compact and perfect in form.

Fireking—Long graceful spikes, showing half a dozen immense blooms open at the same time. Color intense fire scarlet. More brilliant than Brechleyensis. Cardinal. Mrs. Francis King or any other variety. It is perfectly grand, and will become the leading cut-flower variety of its color.

Mrs. F. M. Lupton—A distinct light rose, equal to Panama or America. Large, wide-spreading flower and long perfect spike.

Rareray—Large, wide-spreading flower of a rare bright lilac-pink, with carmine flaked throat. It is a very rare and most beautiful and desirable shade of color.

Shedowa—Soft, delicate pink flower, exquisitely marked and mottled in center. Enormous spike and large, wide-spreading flower of perfect form.

Southampton—An immense spike of large flowers. Color a soft orange-rose, sometimes slightly flaked. White bars and light yellow throat. This is quite a distinct and most pleasing color, and a splendid flower in every way.

All of the above are of the Childs type. A. C. BEAL, Chairman.

California Conditions.

Lompoc, January 9.—So far very few sweet peas have been planted in Lompoc Valley; none that I can learn of, except those planted by W. Atlee Burpee & Co. These were made possible through irrigation, for we have had no rain worth mentioning—less than an inch—since last spring.

The irrigating plant recently installed by the Burpee firm is proving very satisfactory and will, no doubt, insure crops even if this proves a short year. There are some indications of its being such, among which are the early and continued frosts, commencing the first week in October. We surely had them early and only this week at Floradale the thermometer registered ten degrees on the sixth and thirteen on the seventh and eighth. In Lompoc proper the temperature was two degrees lower than it was three miles nearer the Pacific Ocean.

When entering into a new proposition in irrigating there is more or less anxiety as to whether the available water will prove deleterious to the land. Some growers in the valley here use water from the river Santa Ynez, which is liable to contain abundant weed seeds; besides it is believed by some observers to contain more alkali than is found in the deep wells. The Messrs Burpees' well is 312 feet deep, which is a greater depth by 100 feet than any other well in operation in this valley. So we may feel reasonably safe in making use of such water freely, especially as the land hereabouts is naturally well drained.

At this writing Floradale has about sixty acres irrigated, in addition to that planted and this will soon be ready for preparation to receive the seed. It is understood, of course, that natural rainfall is preferable to irrigation, because the land is then more easily worked; besides, irrigating adds very materially to the operating expenses.

There is abundant time for copious rains for crops in general but the sooner the sweet peas are planted the better.

EDWIN LONSDALE.

Minneapolis Convention Committees.

The Society of American Florists and Ornamental Horticulturists Association of Minneapolis has been organized to aid in the convention work next August, with the following committees:

Executive—Theodore Wirth, chairman; C. A. Rice, secretary; J. S. Mitchell; Hugh Will; W. A. Boffering; Gust Malmquist; O. J. Olson; J. A. Ridgway; C. N. Ruedlinger; G. A. Will; Wm. D. Desmond; Hans Rosacker; R. A. Latham; Mrs. Theo. Wirth; Prof. Leroy Cady.

Finance—J. S. Mitchell, chairman; Hugh Will; R. A. Latham; C. F. Rice; O. H. Carlson; W. D. Desmond; O. J. Olson; C. E. Schaeffer.

Entertainment—Hugh Will, chairman; H. E. Philpott; A. S. Rice; C. N. Ruedlinger; Tom Lynes; W. D. Desmond; W. Welandier; R. A. Latham; Tom Hall; John Monson; Wm. Holmes; Chas. Vasatka; O. C. Swanson; M. Doetsch; Ted Nagel; W. C. Drake; J. A. MacClellan; A. E. Lutey; E. G. Lemke; D. Kennedy; G. I. Lindskoog; Wm. Glauner; Amiel Olson; Ole Thurston; L. Boeglin; Julius Rieck; L. A. Mathis; John Olson; Albert Beckwith; Wm. H. Rymers; Geo. Barsch; C. Livingston; Henry Barsch; Prof. Leroy Cady; Robert Stern; Louie Dancik; Walter Pier; Geo. Beulow; Chas. Vogt; C. W. Wahler; Carl Haugen; N. C. Hansen; Fred Busch.

Reception—W. H. Boffering, chairman; C. F. Rice; Henry Will; Otto Will; H. E. Philpott; Chas. Hauck; Tom Lynes; O. H. Carlson; Walter Pier; Gust Malmquist; R. A. Latham; Tom Hall; Hans Rosacker; Ted Nagel; Wm. Glauner; Fred Topel; J. C. Van Doorn; Aug. Swanson; Fred Busch; S. A. Jamieson.

Information—Gust Malmquist, chairman; E. Meyer; R. A. Latham; John Rovik; Chas. Vasatka.

Souvenir Album—J. A. Ridgway, chairman; Wm. I. Haliday; C. A. Bossen; Max Kaiser; Hans Rosacker; Prof. Leroy Cady; Wm. N. Steel.

Press—C. F. Rice, chairman; C. A. Bossen; Oscar Amundson; C. L. Lindskoog; Wm. H. Boffering; C. N. Ruedlinger; S. D. Dysinger; S. A. Jamieson.

Sports—C. N. Ruedlinger, chairman; John Rovik; C. A. Bossen; Hugh Will; W. D. Desmond; Henry Will; C. F. Rice; E. P. Holm; Frank Gustafson.

Transportation—G. A. Will, chairman; William Holmes; Hugh Will; O. H. Carlson; H. Rosacker; Oscar Amundson; H. E. Philpott; Chas. Massie; Steve Dysinger.

Hotel and Depot—W. D. Desmond, chairman; R. A. Latham; C. N. Ruedlinger; Hugh Will; C. F. Rice; W. H. Boffering; O. J. Olson.

Badge and Ticket—Hans Rosacker, chairman; Max Kaiser; C. A. Bossen; Robert Stern; Julius Rieck; C. S. McCowan.

Decoration—R. A. Latham, chairman; L. Boeglin; Otto A. Vasatka; E. Meyer; Chas. Gustafson; Louis Dancik; J. A. McClellan; J. Rovik; John Monson; Amiel Olson; W. D. Desmond; J. Roebriek.

Ladies' reception—Mrs. Theodore Wirth, chairman; Miss Elinor Will; Mrs. C. N. Ruedlinger; Mrs. O. C. Swanson; Miss Elsie Will; Miss H. B. Whitted; Mrs. E. H. Mazey; Mrs. Robert Stern; Mrs. H. Rosacker; Mrs. W. D. Desmond; Mrs. A. S. Rice; Mrs. R. A. Latham; Mrs. C. F. Rice; Mrs. W. H. Boffering; Miss O. C. Warden; Mrs. John Monson; Mrs. Gust Malmquist; Mrs. Max Kaiser; Miss M. Ruedlinger; Miss Julia Ellis; Miss Grace Du Rose; Miss Louise Ruedlinger; Mrs. Wm. Holmes; Mrs. O. H. Carlson; Mrs. Oscar Amundson; Mrs. C. A. Bossen; Mrs. E. Meyer; Mrs. Lucia Smith; Miss Juliette Mense.

St. Paul—O. J. Olson, chairman; L. L. May; S. D. Dysinger; Chas. Vogt; O. R. Eckhardt; E. P. Holm.

University—Prof. Leroy Cady.

Meetings Next Week.

Albany, N. Y., February 6, 8 p. m. Albany Florists' Club, 71 State street.
 Buffalo, N. Y., February 4, 8 p. m.—Buffalo Florists' Club, 385 Elliott street.
 Chicago, February 6, 8 p. m.—Chicago Florists' Club, Union Restaurant, 70 West Randolph street.
 Dayton, O., February 6, 8 p. m. Dayton Florists' Club, 37 East Fifth street.
 Denver, Colo., February 3.—Colorado Florists' Club, T. M. A. hall, 1422 Curtis street.
 Detroit, Mich., February 3, 8 p. m.—Detroit Florists' Club, 247 Randolph street.
 Fall River, Mass., February 4, 8 p. m.—Fall River Florists and Gardeners' Association.
 Grand Rapids, Mich., February 3.—Grand Rapids Florists and Gardeners' Club, office of member.
 Indianapolis, Ind., February 4, 7:30 p. m.—State Florists' Association of Indiana, State House.
 Los Angeles, Calif., February 4.—Los Angeles Horticultural Society.
 Louisville, Ky., February 5, 8 p. m.—Kentucky Society of Florists, home of J. B. Suesy, 225 Haldeman avenue.
 Milwaukee, Wis., February 6, 8 p. m.—Milwaukee Florists' Club, St. Charles hotel, City hall square.
 Minneapolis, Minn., February 4.—Minneapolis Florists' Club, 218 North Fifth street.
 Montreal, Que., February 3, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 22 Sherbrook street, west.
 New Orleans, La., February 5, 8 p. m.—German Florists' Club, 624 Common street.
 Newport, R. I., February 5.—Newport Horticultural Society.
 Philadelphia, Pa., February 4, 8 p. m.—Florists' Club of Philadelphia, Horticultural hall, Broad street above Spruce.
 Pittsburg, Pa., February 4, 8 p. m.—Florists and Gardeners' Club of Pittsburg, Fort Pitt hotel, Tenth street and Penn avenue.
 Salt Lake City, Utah, February 4.—Salt Lake Florists' Club, Huddart Floral Co., 44 Main street.
 Seattle, Wash., February 4.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.
 Tacoma, Wash., February 6.—Tacoma Florists' Association, Maccabee hall.
 Utica, N. Y., February 6, 8 p. m.—Utica Florists' Club, Genesee hall, Oneida square.
 Washington, D. C., February 4, 8 p. m.—Florists' Club of Washington, 1214 F street, n. w.

Wants, For Sale, Etc**One Cent Per Word, Cash with Adv.****For Plant Advs., See Ready Reference Section.**

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By a widely experienced florist; age, twenty-six; single. Kindly state full particulars in first letter. Address, E. P. ADAMS, Poughkeepsie, N. Y.

Help Wanted—Florist for propagating house, also another man for general florist work.
 IOWA SEED CO. Des Moines, Iowa.

Help Wanted—Good rose grower and stock for retail trade: 75,000 sq. ft. of glass; must be married man; permanent position for right party.
 GRAND RAPIDS FLORAL CO., Grand Rapids, Mich.

Help Wanted—Experienced grower of Killarneys and Wards; \$50 per month and board and lodging; must furnish good references. Apply
 WRIGHT'S FLOWER SHOP,
 224 West 4th St., Los Angeles, Calif.

Help Wanted—A competent grower of general stock on commercial place in Texas. Must be good designer, well up on Carnations, Roses and Mums, not afraid of work, honest and reliable, to start January or February 1st. Wages \$50.00 and Room. THE NUSSBAUMER FLORAL CO., San Angelo, Texas.

For Rent—55 East Chicago Avenue, Chicago, half of store. Suitable for florist. In fine neighborhood. Apply 750 Rush Street.

For Sale or Lease—Greenhouse and florist's store; about 2000 feet of glass and 50 by 125 feet of ground. Established trade. Wish to retire.
 1749 W. Huron St., Chicago.

For Sale—New Greenhouse with 11 acres of land located in a rich farming country and in county seat. Inquire of
 FRANK A. WEBBACH,
 Cambridge, Ill.

For Sale—Half interest in a good paying Florist business, must be sold by March 1st. Other business cause of selling. Write immediately for particulars. Address, Key 765, care American Florist.

For Sale—Retail florist store at 4229 Broadway, New York; good business attached; improving location; reason for selling eminently satisfactory; terms quite reasonable. Address
 LE MOULT, 202 Bowery, New York.

For Sale—An exceptional opportunity is offered to a man to purchase a paying, well equipped retail flower business; last year \$25,000 business; daily running expenses \$15.00 including help. Additional information can be had by addressing
 Key 767 care American Florist.

For Sale Greenhouses and interest in florist business. Place has 27,000 feet of glass; well stocked; located in state of Pennsylvania. Good chance for a young florist who can take charge. For particulars address Key 774 care American Florist.

For Sale—A good paying florist business, established over 15 years ago by present owner. 9,000 feet of glass with retail store. A good location in Chicago. Fine chance for the right party. Death in the family reason for selling. For further particulars, address, Key 766, care American Florist.

Wanted—Active partner in established wholesale business on Pacific Coast. Exceptional opportunity for development. Energy and push necessary; also sober; must invest \$1,000. Address, giving experience and for further information, Key 775, care American Florist.

Catalogs Wanted.

Catalogs and price lists of all sorts of flowers, bulbs and plants used in landscape gardening.

John Kilgour, Hyde Park,
 Cincinnati, Ohio.

Grower Wanted

A good all around cut flower man to take charge of a plant near Chicago. Give full particulars and state salary wanted in first letter.

Key 773 care American Florist.

Situation Wanted.

Good Storeman, formerly with Thorne of New York, is in Chicago seeking employment. For interview address,

Key 778, care American Florist.

Seedsman Wanted.

\$3,500 to \$5,000 a year to the right man who can take full management of a large branch Seed House to be opened at some central jobbing point, probably Chicago. Should be experienced on the road, know the general Seed Trade, be able to handle traveling men and all correspondence, and take entire charge; prefer man now with some good company, but who is free of any contract. All correspondence strictly confidential, and if you are not the man we want, your application will be immediately destroyed. Address,

Key 776, care American Florist.

Seedsmen Wanted.

Young men who have had experience in the retail seed business. Give age, experience and salary expected in own hand writing.

The J. M. McCullough's Sons Co.,
 Cincinnati, Ohio

WANTED

Rose grower to work under foreman in a large range of houses in Minnesota; \$15.00 per week to start; state experience and reference in first letter. Address

Key 777, care American Florist.

Assistant Horticulturist (Male)

The United States Civil Service Commission will hold an open competitive examination for assistant horticulturist, for men only, on February 5, 1913, in the different states and territories. An educational training equivalent to that required for the degree of bachelor of arts is a prerequisite. Applicants must be between the ages of 25 and 45 years. Apply to UNITED STATES CIVIL SERVICE COMMISSION, Washington, D. C., for application and examination Form 1312, using exact title as given at head of this announcement.

Mention the American Florist when writing

OFFICIAL S. A. F.

Shipping Labels

Actual size of leaf 2 3/4 x 5 1/4 inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

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440 Dearborn St., CHICAGO.

Mention the American Florist when writing

Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. PRICE, \$1.50.

Greenhouse Management

By the same author. Covers the subject completely. 382 pages. PRICE, \$1.50.

AMERICAN FLORIST CO.,

440 S. Dearborn St.

Chicago

CARNATIONS!

BIG CROP NOW ON.

Fancy Red, Pink and White, per 100, \$3.00. Medium stems, Pink and White, per 100, \$2.00. Shorts and splits for funeral work, \$1.00 per 100.

ALSO A FINE CROP OF LONG BEAUTIES.

Our roses are all carefully sorted and packed and cut especially for the shipping trade. Buy your flowers direct from a large grower. You get a more even run of stock and much fresher cut. We send our stock from the greenhouses three and four times per day.

CURRENT PRICE LIST. Subject to change in market.

American Beauties

	Per doz.
Specials, extra long stems.....	\$ 6 00
36-inch stems.....	5 00
30-inch stems.....	4 00
20 to 24-inch stems.....	3 50
12-inch stems.....	1 50

Carnations

	Per 100
Fancy Pink, White and red.....	\$3 00
Medium Pink and White.....	2 00
Short and splits, white and pink for funeral work.....	1 00

Rhea Reid, Ward, Richmond, White and Pink Killarneys

	Per 100
Extra select.....	\$10 00 to \$12 00
Medium.....	8 00
Short.....	5 00 to 6 00
Short Wards.....	6 00

Miscellaneous

	Per 100
Harrisii Lilies, per doz.....	\$1 50: 12 00
Jonquils.....	\$3 00 to 4 00
Narcissus Paper White.....	2 00 to 3 00
Lily of the Valley.....	3 00 to 4 00
Tulips, \$2.00, \$3.00; all colors.....	3 00 to 4 00
Asparagus Sprays.....	2 00 to 3 00
Sprenger.....	2 50
Ferns, per 1000.....	1 50 to 2 00
Smilax, per doz.....	1 00 to 1 50
Adiantum.....	1 00
Galax, bronze, per 1000.....	1 00

BASSETT & WASHBURN

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.
LONG DISTANCE PHONE, CENTRAL 1457.

Chicago.

ROSES STILL VERY SCARCE.

The market is practically in the same condition as it was last week, with trade in general considerably quieter. Roses are still very scarce, especially the shorter grades, but there is a fair supply of long-stemmed flowers. Extra select Killarneys have sold for \$15 a hundred in many cases, and in some instances the stock was exceptionally fine. American Beauty roses are in good supply, but the quality of the stock is not up to the standard, so what few really good flowers are arriving are sold quickly at good prices. Carnations are in over-supply nearly everywhere and are being sold in large lots at sacrifice prices. It is surprising that the demand for these flowers is not heavier during the present shortage of roses, and it was particularly noticeable that the demand for carnations has fallen off considerably for Carnation Day in comparison to former years. In fact, there was practically no call whatever for them this year. Violets are in over-supply everywhere and extra select stock is being sold at very low prices. There is a good supply of fine lily of the valley and tulips in all colors, with the exception of pink, which are somewhat scarce. Lilies are more plentiful and so are callas, but the better grades sell quite freely. Jonquils have had a good call all week. Orchids, especially cattleyas, continue to arrive in large quantities and the price has been gradually dropping, so a great many of the retail stores are featuring them daily in their window displays. Sweet peas are in good supply and greens of all kinds are plentiful. The weather has turned colder with a heavy snow on Monday and Tuesday of this week. Trade, however, is still

very quiet and with the exception of roses stock is plentiful.

NOTES.

H. Wittbold is making a number of changes in his store to make room for the new growers who have rented space from him. Mr. Wittbold will continue in the wholesale commission business as before and the new growers who have rented space from him will be open for business on February 1. A large variety of stock will be handled, so fresh flowers will be obtainable at these quarters at all times.

Hugo Lowe, whose illness was reported in our last issue, died January 23 at the Cook County hospital from a complication of heart trouble and scarlet fever. Mr. Lowe was born in 1858 in Detroit, Mich. He came to Chicago in 1886 and was an employee of the Crane Co. up to the time of his last illness. Mr. Lowe is survived by his wife, who manages the flower business at 1943 North Forty-third avenue.

N. J. Wiator writes from Ocean Springs, Miss., that he likes the southern country real well and is seriously considering buying a pecan farm. Mr. and Mrs. Wiator's many friends will be pleased to hear that they are both enjoying splendid health and having a delightful visit.

Chas. W. McKellar was operated upon again last week for blood poisoning in the right thumb, but is on the job as usual as though nothing had happened. This is the second operation he has had for the same trouble, which resulted from a scratch by a rose thorn.

C. L. Washburn is in receipt of a handsome Christmas card from George Mount and wife, mayor and mayoress of Canterbury, England. Mr. Mount is the well-known nurseryman of that

place who, with his son, visited this country last fall.

Louis Wittbold says the Geo. Wittbold Co. is now cutting enough roses at their Edgebrook greenhouses to supply its retail trade. This firm's Killarneys are exceptionally fine and have fine foliage, color and stem.

H. Van Gelder says that Percy Jones' sales on January 25 were the largest ever outside of the holidays. He is now featuring a fine line of bulbous stock, especially tulips, which are exceptionally good.

The Batavia Greenhouse Co. is cutting some fancy American Beauty roses but the demand is so heavy that O. Johnson, the city salesman, is experiencing trouble in filling all his orders.

Hoerber Bros. have placed a large order with the Chicago Carnation Co. for its new scarlet seedling carnation, The Herald, and will grow this variety instead of Beacon next season.

L. Hoeckner, one of Peter Reinberg's store employees, continues to make a little extra money by supplying the local wholesalers with clean newspapers for lining shipping boxes.

The trade is cordially invited to attend an open meeting of the Gardeners and Florists' Union at 232 North Clark street, hall 2, Wednesday evening, February 12.

James H. Burdett, former secretary and advertising manager of the Horticultural society, was slightly injured in the Illinois Central train wreck January 24.

John Kruchten's carnations are of good quality considering the unfavorable weather and the better grades of flowers are having a good call.

Fred Lautenschlager has returned from a business trip to Wisconsin cities in the interests of the Kroeschell Bros. Co.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

Violets for Valentine Day

Choice Home Grown Double and Single. Also Valley, Tulips, Jonquils, Sweet Peas and All Other Seasonable Stock in Big Supply.

Carnations in Large Quantities

for all occasions. Let us quote you special prices on large lots.

Current Price List.

SUBJECT TO CHANGE WITHOUT NOTICE.

AMERICAN BEAUTIES		Per Doz.	RICHMOND.		Per 100	CARNATIONS—		Per 100
Specials		\$5.00	Long		\$12.00 to \$15.00	Fancy		\$3.00
30 to 36-inch		3.00 to 4.00	Medium		8.00 to 10.00	Medium		2.00
24 to 28-inch		2.00 to 2.50	Good short		4.00 to 6.00	Splits and Shorts		1.00
18 to 20-inch		1.50						
Short stem	Per 100	6.00 to 10.00						
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.		Per 100	KILLARNEY.			ORCHIDS,		
Long		\$12.00 to \$15.00	Long		\$12.00 to \$15.00	PERCIVILLIANA	per doz.	4.00
Medium		8.00 to 10.00	Medium		8.00 to 10.00	TRIANAE	per doz.	4.00 to 6.00
Short		4.00 to 6.00	Good short		4.00 to 6.00	ONCIDIUMS		5.00
MELODY, long.		12.00 to 15.00	WHITE KILLARNEY.			DENDROBIUM FORMOSUM, doz.		5.00
Medium		8.00 to 10.00	Long		\$12.00 to \$15.00	EASTER LILIES		12.00
Short		4.00 to 6.00	Medium		8.00 to 10.00	JONQUILS		3.00 to 4.00
MRS. AARON WARD.			Good short		4.00 to 6.00	TULIPS		3.00 to 4.00
Long		12.00 to 15.00	Extra special Roses, charged accordingly.			ADIANTUM CROWEANUM		1.00
Medium		8.00 to 10.00	VIOLETS, Princess of Wales.			MEXICAN IVY	per 1000	\$6.00
Short		4.00 to 6.00	Double, New York		.50 to .75	SMILAX		16.00
LADY HILLINGDON.			Double, Glencoe, home-grown		1.00	SPRENGER, PLUMOSUS SPRAYS	3.00 to	4.00
Long		12.00 to 15.00	ROMANS		\$3.00 to 4.00	PLUMOSUS STRINGS, extra long and heavy	each	.60
Medium		8.00 to 10.00	SWEET PEAS		.75 to 1.00	FERNS	per 1,000	2.00
Short		4.00 to 6.00	Long Fancy		1.50	GALAX	per 1,000	1.25
			VALLEY		\$3.00 to \$4.00	LEUCOTHOE	per 100	.75
			NARCISSUS, Paper White		3.00 to 4.00			

BOXWOOD, fine bright green.....per bunch, 25c; per 50-lb. case, 7.50

WILD SMILAX, in 50-lb. cases, (no small cases).....per case, 5.00

SUPPLY DEPARTMENT VALENTINE BOXES

Something New and Unique. Sample Orders Now Ready.

Can be sent by Parcels Post.

Also Corsage Shields, Ties and Pins

Order some of Waters' Latest Corsage Ties, the Butterfly Bow, in all colors, ready to attach, \$2.00 per dozen. Ask us about them.

Place your order now for an assortment of pretty Red Baskets for Valentine Day.

Fancy Cut Flower Boxes and a full line of accessories for the coming season. Give us a trial order now and be convinced that our stock is new and that all orders are shipped promptly. We have a habit of giving satisfaction.

AMERICAN BEAUTIES

Extra Large Supply of Long Stemmed Flowers of Unsurpassed Quality at Very Reasonable Prices. Good Color, Foliage and Stem.

ALSO A GOOD SUPPLY OF KILLARNEY

White Killarney, Richmond, Maryland, Melody and Mrs. Aaron Ward Roses and Carnations

Current Price List.

Subject to change without notice.

AMERICAN BEAUTIES		Per doz.	White Killarney, Special.....		Per 100	Valley.....		Per 100
Extra long.....		\$ 4 00	Medium.....	6 00 to	10 00	3 00 to	4 00	
36-inch stems.....		3 50	Short.....		4 00	Violets.....	75 to	1 00
30-inch stems.....		3 00	My Maryland, Special.....		10 00	Sweet Peas.....	1 00 to	1 25
24-inch stems.....		2 50	Medium.....	6 00 to	8 00	Paper Whites.....	2 00 to	3 00
20-inch stems.....		2 00	Short.....		4 00	Romans.....	2 00 to	3 00
18-inch stems.....		1 50	Sunrise, Select.....		10 00	Asparagus, bunch.....	2 00 to	3 00
12 to 15-inch stems.....		1 00	Medium.....	6 00 to	8 00	strings, 60c to 75c ea.		
Shorts.....	\$ 50 to	75	Short.....		4 00	Sprengeri.....	2 00 to	3 00
Richmonds		Per 100	Roses our Selection.....		5 00	Smilax.....		
Select.....		\$10 00	Carnations, Fancy.....		3 00	Mexican Ivy.....		75
Medium.....	6 00 to	8 00	Select.....	1 50 to	2 00	Galax, bronze and green	per 1000,	\$1 25
Shorts.....		4 00	Harrisii Lilies...per doz.,		\$1 50	Leucothoe Sprays.....		75
Killarney, Special.....		10 00				Boxwood, per bunch.....	25	
Medium.....	6 00 to	8 00				Ferns, per 1000.....	\$2 00	
Short.....		4 00						

Peter Reinberg

30 East Randolph Street

L. D. Phone, Central 2846

CHICAGO

Poehlmann Bros. Co.'s principal offerings this week are orchids and carnations which are now to be had in large quantities. The receipts of roses have been quite large, but it is impossible to fill all the orders. John Poehlmann is pretty good-natured since his last robbery, but thinks it is rather strange that he has not had a visitor at his home since Sunday, January 19.

Jack Byers, the Chicago Carnation Co.'s city salesman, escorted Robt. Miller, of the Miller Floral Co., Farmington, Utah, through his firm's greenhouses at Joliet, last week. Mr. Miller was so pleased with the carnation company's new scarlet seedling carnation, The Herald, that he placed his order for cuttings immediately.

Bassett & Washburn are showing a large supply of fancy lilies with stems fully four feet long. They grow about 25,000 each year and always manage to have a good crop for Easter. The American Beauty roses at their greenhouses are now commencing to set buds.

Buchbinder Bros., 518 Milwaukee avenue, are now mailing their new illustrated catalog, "Refrigerators for Florists," to the trade. It shows many styles of their new makes and contains valuable information that every florist should have.

The Chicago Flower Growers' Association is handling a fine grade of

Killarney roses and sweet peas in addition to the regular line of seasonable cut flowers and greens. J. F. Kidwell says that the demand for carnations at this house on January 25, was very brisk.

A. L. Vaughan & Co. are featuring a fancy grade of sweet peas and are strong on bulbous flowers of all kinds. Mr. Vaughan says that the shipping trade has been rather quiet this week but he expects an improvement soon.

Erne & Klingel report business as good and will start February with a green ticket, using this color exclusively in the future. A fine grade of roses and tulips are but a few of their many offerings in cut flowers.

The J. B. Deamud Co. is strong on bulbous stock of all kinds, but is featuring a fine grade of tulips. Free-sia of good quality is obtainable in quantity at this store.

Peter Reinberg has been cutting American Beauty roses in quantity all week, but Tim Matchen disposes of the stock at the store quickly at good prices.

The Briggs Floral Co., West Madison street, is doing a good transient business and the proprietor is well pleased with his new location.

M. C. Gunterberg is supplying her customers with her usual good line of violets and freesias.

Lublimer & Trinz's lease does not expire for several months yet, so they

PERCY

Wholesalers of

**CUT FLOWERS and
FLORISTS' SUPPLIES**

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

are not worrying about losing their happy home.

Bert Cole is again attending to his duties at the E. C. Amling Co.'s store after a five weeks' siege of scarlet fever.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

LARGE SUPPLY

BEAUTIES--ROSES--CARNATIONS

CURRENT PRICE LIST.—Subject to change without notice.

American Beauties.

Per Dozen	Per Dozen
60 in. stems.....\$5 00	24-in. stems.....\$2 00
48-in. stems.....4 00	20-in. stems.....1 50
36-in. stems.....3 00	15-in. stems.....1 00
30-in. stems.....2 50	

Killarney.

	Per 100
Extra special.....	\$10 00
Selects.....	8.00
Fancy.....	7.00
Medium.....	6.00
Good.....	5.00
Short stems.....	4.00

My Maryland

	Per 100
Extra Specials.....	\$10.00
Select.....	8.00
Fancy.....	7.00
Medium.....	6.00
Good.....	5.00

Roses, our selection - - - \$4.00

Mrs. Jardine, Long.....\$10.00

Medium.....6.00

Richmond

	Per 100
Extra specials.....	\$10.00
Selects.....	8.00
Fancy.....	7.00
Medium.....	6.00
Good.....	5.00
Short stem.....	4.00

White Killarney

	Per 100
Extra specials.....	\$10.00
Selects.....	8.00
Fancy.....	7.00
Medium.....	6.00
Good.....	5.00
Short stems.....	4.00

Carnations

Good.....	2.50 to 3.00
Medium.....	2.00 | Short.....1.50
FERNs, per 1000.....	\$2.00
SMILAX, per doz.....	\$1.50 to 2.00
ADIANTUM, per 100.....	1.00 to 1.50
GALAX, per 1000.....	1.00
SPRENGERI, per bunch.....	.50
ASPARAGUS SPRAYS, per bunch.....	.50

ANNOUNCEMENT

Beginning next Saturday, February 1st, the following growers will sell their own stock in the quarters now occupied by Henry Wittbold, 56 Randolph Street, Second Floor:

Frank Beu H. C. Blewitt
Hunt Bros. Sol. Garland A. E. Hunt & Co.

These growers have a large variety of stock which will make this one of the best sales quarters in the **Great Central Cut Flower Market**—a store, where fresh stock will be obtainable at all times.

H. WITTBOLD will continue in the wholesale commission business and calls attention to the fact that his store is headquarters for Wild Smilax and Choice Mexican Ivy.

H. WITTBOLD,
56 E. Randolph St., Phones { Randolph 4708—Office
 { Rogers Park 227—Nursery **Chicago**

"The Busiest House in Chicago."

CARNATIONS

Valley, Sweet Peas, Single and Double Violets, Orchids, Romans, Tulips, Lilies, Callas, Jonquils, Freesias and Greens of all kinds

QUANTITY

QUALITY

J. B. DEAMUD CO.

Phones | Central 3155. 160 N. Wabash Av., CHICAGO
| Auto. 44-389.

Zech & Mann are receiving their share of Killarney roses during the shortage, which enables them to take care of their regular customers in fine shape. This is the firm's eighth year in the wholesale commission business and the proprietors have every reason to feel proud of the splendid showing that they have made.

The Raedlein Basket Co. is having a big demand for baskets and is well supplied with stock to supply their Easter trade. This firm's business has increased rapidly until it now extends from coast to coast.

It is interesting to note that Robt. D. Elder, attorney in the famous Wilson avenue bank case, is the third stockholder and director of Percy Jones, Inc.

J. C. Vaughan, chairman of the Horticultural Society poster committee, has secured a wonderfully beautiful production for the spring show, April 1-5.

The next regular meeting of the Florists' Club will be held at the Union restaurant, next Thursday, February 6.

Joseph Ziska has recovered sufficiently from his recent illness to attend to his duties at the store.

Schiller the Florist has leased the Koropp store and property at 4509 Evanston avenue.

Visitors: E. E. Stewart, River Junction, Mich.; Geo. E. Valker, Minot, N. D.; A. E. Kunderd, Goshen, Ind.

Pittsburg.

MARKET VERY UNCERTAIN.

The uncertain weather makes one imagine a glut of carnations is on the way and next day stock turns scarce with bad weather. It is the most uncertain market this year we have ever seen. Roses are scarce, though, every day, and American Beauties are not to be seen.

NOTES.

Several weeks ago the McCallum Co. started to handle gardenias, which were more or less of an experiment on this market, but they state that they are well pleased with the result.

T. Malbranc, of Johnstown, called on the trade this week. Mr. Malbranc is at present moving his range of glass, the present site being too valuable as building lots.

M. C. King, of Washington, Pa., has sold his store at that place to B. W. Spragg, of Waynesburg, Pa.

J.

Chicago Bowling.

COOK COUNTY FLORISTS' LEAGUE.

Team Standings.		W. L.		Pet. Tot.		Av. H. G.	
Roses	23	16	390	28380	725	5-39	912
Violets	21	18	410	29079	745	24-39	879
Carnations	18	21	538	27811	713	4-39	856
Orchids	16	23	452	28207	723	10-39	890

High single team game, Roses 912.

High team, three game-average, Orchids 830.

Individual Averages.

No.	Name	Average
1.	A. Fisher	168 28-39
2.	A. Zech	168 26-39
3.	W. Wolf	167 1-9
4.	Borstrom	166 2-6
5.	Price	166
6.	Ayers	163 4-16
7.	J. Zech	159 37-39
8.	J. Huebner	159 31-39
9.	E. Schultz	159 28-39
10.	Wm. Graff	157 8-39
11.	Krause	155 1-9
12.	Jacobs	151 24-39
13.	Lorman	150 6-39
14.	Liebermann	146 11-39
15.	Economopolis	146 11-36
16.	Goerisch	143 35-39
17.	A. Huebner	143 23-39
18.	B. Cole	137 16-27
19.	Armstrong	117 4-27
20.	Cohen	122 4-27

High Average Man of Each Team.

Name	Team	Average
A. Fisher	Roses	168 28-39
A. Zech	Carnations	168 26-39
Borstrom	Orchids	166 2-6
J. Huebner	Violets	159 31-39

High Individual Single Score, A. Fisher 227.

High Individual Three-Game Average, A. Fisher 201 1-3.

TEAM STANDINGS TO DATE.

Won Lost		Won Lost	
Roses	24 18	Carnations	20 22
Violets	21 21	Orchids	19 23

Individual and Team Scores for games played Wednesday, January 22:

Orchids.		Roses.	
Krause	138 168 168	Goerisch	131 162 143
Graff	171 158 160	Koehler	182 108 162
Borstrom	203 175 142	Simon	135 169 118
Econopolis	172 154 134	Ryers	157 133 183
		Price	154 177 144
J. Zech	150 164 164		
Totals	834 819 818	Totals	759 749 750
Violets.		Carnations.	
Huebner	100 120 129	Lorman	166 167 147
Jacobs	140 154 153	Liebermann	131 177 115
Wolf	167 179 192	Vilter	106 172 117
Schultz	151 151 185	Ayers	160 177 189
Huebner	144 164 157	A. Zech	215 147 172
Totals	702 768 816	Totals	778 849 740

ATHENS, GA.—The annual meeting of the Georgia State Horticultural Society was held here January 16-17.

ASTORIA, N. Y.—Angelo Tassi, aged 81, a retired florist, died at his home January 6. Two sons and two daughters survive.

Sphagnum MOSS

BURLAPPED

Fresh clean moss from new marsh, full sized bales.

Vaughan's Seed Store,
Chicago. New York.

Live Sphagnum Moss

Finest stock in the country. Chunky, well fibered stems with large heads. Shipped only in barrels f.o.b. Walden, N. Y., at \$2.00 per bbl.

Trade List on Application.

The C. W. Brownell Company
Walden, N. Y.

Indianapolis.

A beautiful consignment of Milady roses, intended to be shown at the annual meeting of the Indiana State Florists' Association, shipped by W. R. Pierson, of Cromwell, Conn., unfortunately arrived too late. The roses were exhibited for several days in John Rieman's window. Milady created quite a sensation among florists and also commanded an unusual amount of attention from the public. Those who ought to know pronounce the rose a valuable acquisition.

H. J.

HOUSTON, TEX.—The Texas State Horticultural Society met in this city January 16-17.

JOHN F. KIDWELL, President.

EDWARD MEURRT, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

Sweet Peas
Killarney
Roses and
Carnations
Of Fine Quality
In Large Quantities

Current Price List.

Subject to change without notice.

Grade	A	B	C	D	E	F	G
American Beauties..... per dozen	\$ 6.00	\$ 5.00	\$ 4.00	\$3.00			
Killarney..... per 100	12.00	10.00	8.00	6.00	5.00		
White Killarney.....	12.00	10.00	8.00	6.00	5.00		
My Maryland.....	12.00	10.00	8.00	6.00	5.00		
Richmonds.....	12.00	10.00	8.00	6.00	5.00		
Mrs. Aaron Ward.....	12.00	10.00	8.00	6.00	5.00		
Sunburst.....	12.00	10.00	8.00	6.00	5.00		
Carnations.....	4.00	3.00	2.00	1.50			
Callas.....	20.00	15.00					
Lily of the Valley.....	4.00	3.00					
Violets, Extra fine single.....	1.50	1.00					
Double.....	1.50	1.00					
Sweet Peas.....	1.50	1.00	.75				
Romans.....	4.00	3.00					
Paper White Narcissus.....	3.00	2.00					
Jonquills.....	4.00	3.00					
Tulips.....	4.00	3.00					
Easter Lilies.....	15.00	12.50					
Daisies.....	1.50	1.00					
Asparagus Plumosus Sprays. per 100	4.00	3.00	2.00				
Asparagus Sprengeri Sprays.....	3.00	2.00					
Mexican Ivy.....	.60						
Smilax.....	16.00	12.50					
Galax, Green and Bronze..... per 1000	1.00						
Ferns.....	2.00						
Boxwood..... bunch	.25						
Adiantum..... per 100	1.00	.75					

VIOLETS FOR VALENTINE'S DAY

Large supply of extra choice stock. Also large quantities of **Sweet Peas, Orchids, Tulips, Freesias, Paper Whites, Lilies, Callas, Carnations and Roses.** All stock will be billed out at the regular market prices on the day of shipment. Be sure and include **Greens** in your order.

A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.,

PHONES Central 2571-2572
Automatic 48-734

CHICAGO

St. Louis.

ROSES VERY SCARCE.

The weather is warm and spring-like and the market is not so crowded as formerly. Graduating exercises and social events before Lent cause somewhat of a demand. Roses have been decidedly scarce. Carnations are plentiful enough to go around, with a surplus of poor stock. Violets are selling well, and the demand is increasing. Good sweet peas are selling. Good American Beauties and lilies are in demand. There is a steady call for plumosus, sprengeri and smilax.

NOTES.

The Retail association met last Monday and a committee was formed to meet the Florists' Club in regard to holding a flower show this fall. The committee is composed of Jules Bourdet, Chas. Young and Alex. P. Geranies.

Dominic Bova and his brother are doing a nice cut flower trade at Union market. These boys are well liked by all the wholesalers, as they are very consistent buyers. They conduct business under the name of the Red Bud Floral Co.

Windler Wholesale Floral Co. has had some nice stock in violets, sweet peas and carnations. They were very shy on good American Beauties and other roses, notwithstanding their good supply.

The W. C. Smith Floral Co.'s supply of violets and sweet peas, though very large, seems to be very easily taken care of by their staff of good salesmen.

H. G. Berning, with a large stock of everything, was completely cleaned out Sunday. Mrs. H. G. Berning, we regret to announce, is seriously ill.

Foster, the Florist, is doing a rush-

ing trade, according to late reports. His electric American Beauty sign can be seen for blocks.

Geo. H. Angermueller had a good stock all week. He was short on violets and sweet peas. Fred Alves, head salesman, is sick.

C. A. Kuehn had an immense stock of very fine grade flowers which were cleaned out at good prices.

Grimm & Gorly will move about March 1, a few doors west of their present location.

Mrs. Matilda Waldmann is doing a good trade. She is a very large buyer in this market.

Julius Dilloff, with Schloss Brothers, New York, was with us the past week.

George Dimond, from New York, has opened up a store on Sixth street.

W. F.

ERNE & KLINGEL

WHOLESALE FLORISTS

Headquarters for All Seasonable Cut Flowers for Valentine's Day. Particularly Violets, Valley, Tulips, Roses, Carnations, Paper Whites and Orchids.

30 East Randolph Street L. D. Phone, Randolph 6578 CHICAGO, ILL.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids, Violets and Other Seasonable Stock for Valentine Day.

Long Distance Phone Central 3598.

Cincinnati.

BETTER TONE IN TRADE.

The market shows a very much better tone than it did a week ago. An active demand for most lines causes good clearances. It is now not an unusual thing when calling up the wholesale houses late in the afternoon to hear the words nothing but Paper Whites until morning or in other places nothing till evening. The demand while larger than a week ago is not so much larger as to be a real brisk demand. The supply has shortened somewhat and is now more equal to the demand than it was for a fortnight. The rose supply has shortened very considerably and as a result these flowers are cleaning up at sight. Even white is taken up regularly. More Pink Killarney might at the time of this writing be used. The same is true of red and American Beauties. Carnations with the exception of whites are again selling nicely. Enchantress especially is cleaning up well. With a few exceptions the local retailers are not making any strenuous efforts to create a large demand for colored carnations for McKinley day. Most of them seem content to allow the day to follow the even tenor of its way. Both giganteum and callas are proving very good property. Sweet peas are selling very well and more might easily be used if the present demand keeps up. On the day of this writing one house reported that they might easily have sold ten thousand more had they been forthcoming. Violets, valley, orchids and gardenias are finding a fair market. Tulips and jonquils have been finding a demand. Narcissi seem to be about the last things the buyers notice. They are in an oversupply. Freesia sell well.

NOTES.

Miss Margaret Weiland of Evanston, Ill., who has been visiting P. J. Olinger and wife for the past fortnight has returned to her home. Mrs. Olinger is a sister of Miss Weiland.

C. J. Jones at the Walnut Hill's Floral Bazaar had a large decoration at the country club one day last week.

E. G. Gillett has been keeping his wire working steadily here of late to fill orders.

C. E. Critchell is receiving some fine gardenias each day.

Visitors: W. H. Kirby, the aster man of Quincy, Mich., and — Peal of Davis Bros.'s Floral Co., Centerville, Ind.

H.

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers at Lowest Market Prices. 30 E. Randolph St., CHICAGO

Milwaukee.

SHORTAGE OF ROSES.

The market condition remains practically unchanged from last week with a shortage in roses. All rose growers seem to be off crop and it is impossible to fill orders. Carnations are coming in more plentifully and they are in sufficient quantities to supply the demand. There are plenty of sweet peas, violets and lily of the valley to fill all orders. Stevia is being replaced by freesia and Star of Bethlehem, which are arriving in fair quantities. There are enough Harrissii to supply the demand but a scarcity of callas. Bulbous stock is arriving in sufficient quantities to supply the trade, and there are enough greens to fill all orders.

NOTES.

The C. C. Pollworth Co. reports business most satisfactory. This firm is receiving a fine cut of carnations from their greenhouses; also a good cut of daffodils, narcissi and sweet peas.

Gust Rusch & Co. report business satisfactory, but a scarcity in roses. Ella Voelzke is again on duty at this place after a two weeks' illness.

The Holton & Hunkel Co. is receiving some fine carnations. A shortage of roses at their greenhouses is reported here.

The Currie Bros. Co. is busy in the seed department, getting ready for the spring trade. Business is reported good.

Fred C. Schmeling is seriously ill at his home on the Blue Mound road, and his condition remains unchanged.

George E. Valke, Minot, N. D., called on friends while en route to Chicago on business.

BOWLING SCORES

Gus Pohl	209	199	121
O. Eggebrecht	163	161	169
A. Hare	121	116	123
N. Zweifel	188	128	167
J. Verry	140	146	121
G. Kellner	159	181	147
W. Halliday	129	122	163
H. Schimmels	130	134	124
C. Gutbrod	150	114	142
W. Schmitz	132	152	234

G. R.

SEND TEN CENTS

FOR A SAMPLE OF THE

Ever-Ready Flower-Pot Cover.



Strong cardboard foundation. Best waterproof crepe paper, silk fibre ribbons at top and bottom. Firmly held with improved metal fastenings. Furnished in four colors and made in many sizes. An Ever-Ready Flower Pot Cover around the old clay pot will increase the value of the plant considerably and add to your profits. Send 10c for a sample today.

Manufactured by the

EVER-READY FLOWER-POT COVER CO.

WM. H. GREVER, Manager

146 Hughes Avenue

BUFFALO, N. Y.

GOLDFISH



"Something Alive in the Window"

Catches the public eye.

Order your supply now.

\$3.00 per 100 and up.

Write for catalog

AUBURNDALÉ GOLDFISH CO.

920 W. Randolph Street,

CHICAGO.

WIETOR BROS.

Wholesale **CUT FLOWERS** Growers of

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House
 68 E. Randolph Street, Phone Central 1496. CHICAGO
 Everything in Cut Flowers and Supplies.

BOXWOOD

Extra Fine, \$7.50 per case.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS
 163-165 N. WABASH AVE. CHICAGO
 L. D. Phone Central 466

H. Wittbold

Wholesale Florists and
 Decorating Specialists.

Headquarters for

**Mexican Ivy,
 Wild Smilax**

and General Supplies.

OUR PRICES WILL SURPRISE YOU.

56 E. Randolph St., Chicago

Phones } Randolph 4708—Office.
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Mention the American Florist when writing

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Wholesale Cut Flowers
 Growers of

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., CHICAGO

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Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

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John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
 Our Specialties.

Mention the American Florist when writing

Chicago Carnation Co.

Wholesale Florists,

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

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J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
 and CARNATIONS
 A Specialty.....

WHOLESALE
 Grower of

CUT FLOWERS

E. C. AMLING CO.

THE LARGEST,
 BEST EQUIPPED,
 MOST CENTRALLY LOCATED
 WHOLESALE
 CUT FLOWER HOUSE
 IN CHICAGO.

68-70 E. RANDOLPH STREET
 CHICAGO.

L. D. Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Jan. 29.	Per doz.
Roses, Beauty, specials.....	\$5 00
" " 36-in.....	4 00
" " 30-in.....	3 00
" " 28-in.....	2 50
" " 15 20-in.....	1 50@ 2 00
" " 12-in.....	1 00
" " Short.....	\$6 00@10 00
" Killarney.....	4 00@15 00
" White Killarney.....	4 00@15 00
" Richmond.....	4 00@15 00
" Prince de Bulgarie.....	4 00@15 00
" Radiance.....	4 00@15 00
" My Maryland.....	4 00@15 00
" Melody.....	4 00@15 00
" Mrs. Jardine.....	4 00@12 00
" Lady Hillingdon.....	4 00@15 00
" Sunburst.....	4 00@15 00
Carnations.....	1 00@ 3 00
Cattleyas.....per doz.,	4 00@ 6 00
Gardenias.....	3 00@ 4 00
Jonquils.....	3 00@ 4 00
Lilium Harrisii.....	12 50@15 00
Narcissus, Paper White.....	3 00@ 4 00
Orchids Dendrobium,per doz.,	5 00
Romans.....	3 00@ 4 00
Tulips.....	3 00@ 4 00
Stevia.....	1 50@ 2 00
Violets.....	50@ 1 00
Valley.....	3 00@ 4 00
Sweet Peas.....	75@ 1 50
Adiantum Croweanum.....	1 00
Boxwood.....per lb.,	25
Ferns.....per 1000,	2 00@2 50
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy.....per 1000,	5 00@6 00
Plumous Strings, each,	50@ 60
Smilax.....per doz.,	1 50@2 00
Sprengerii, Plumous Sprays.....	3 00@ 4 00

ROSES

White and Pink Killarney and Richmond
 Roses. Red, White and Pink Carna-
 tions. Callas, Sweet Peas, and
 Greens of all kinds.

W. E. Trimble Greenhouse Co.
 Princeton, Ill.

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
 Killarney and White Killarney roses. All
 orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
 Florists' Supplies

Write for Our New Catalog

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing



C.C. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

Cycas Leaves!

100 choice cycas, sizes 20 in. to 40-in.
for \$6.25. Other supplies at equally low
prices. Write for list.

GEO. H. ANGERMUELLER

Wholesale Florist

1324 Pine St., St. Louis, Mo.

Atlanta Floral Commission Co.

Consignments Solicited.
A ready market for anything.
Write for prices and terms.

Atlanta, - : - Ga.

Aaron Buchanan

Wholesale Florist

HAWK, - - - N. C.

NEW STOCK

Bronze Galax, \$3.50 per case of 10,000; Dagger
Ferns, \$3.00 per case of 5,000, cases of 10,000 \$5.50;
Log Moss, \$1.00 per 2 bu. bag. Cash with order.

Philadelphia.

SCARCITY AT CLOSE.

A rather quiet week closed with a scarcity of flowers. All the crops appear to be off. Roses especially are short. American Beauties and Richmond are very scarce. For some time past leading members of the trade have questioned the policy of growers of these roses, bringing them in for the holidays at the expense of the season before and the month of January, when there is always a good demand for the choice stock. Orders for these roses the past week were only filled with the greatest difficulty. Carnations are about equal to the demand. The quality is fine. Cattleyas and gardenias are much in evidence and prices favor the buyer. The calandula is seen in very good form, its bright orange flowers being very conspicuous in some of the window displays. From now on forced shrubbery will be a factor. Forsythia is freely offered. In fact, branches of this shrub have been gathered out of doors that showed flowers well developed owing to the remarkable weather. Such a mild winter has never been experienced before here. At least so says the oldest inhabitant. Lilac is quite plentiful. All the growers seem to be in with their crops. Sweet pea growers say that the vines are loaded with buds and good crops may be expected soon. Quite a few of the gentlemen who make a specialty of these flowers should come to town occasionally and get instructions about the condition their stock should be in before it is cut. In many cases it is sent in too green, lacking size, color and fragrance. It seems a pity to devote the time and money necessary to get so far in the race and then fall down almost at the tape.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245.

P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Jan. 29.		Per 100
Roses, Beauty, extra.	40 00@60 00	
.. first	12 00@25 00	
.. Brides and Maids.	6 00@12 00	
.. Killarney	6 00@15 00	
.. White Killarney	6 00@15 00	
.. Liberty	6 00@15 00	
Carnations	3 00@5 00	
Cattleyas	35 00@50 00	
Daffodils	2 50@4 00	
Freeseas	3 00@4 00	
Gardenias	1 50@2 00	
Lilium Harrisii	16 00@12 00	
Lily of the Valley	3 00@5 00	
Calla Lilies	16 00	
Marguerites	1 50@3 00	
Snappedragons	15 00@25 00	
Sweet Peas	75@1 50	
Violets, single	75@1 00	
.. double	75@1 00	
Adiantum	75@1 00	
Asparagus	per bunch, 50	
Smilax	15 00@20 00	
Tulips	2 00@4 00	

PITTSBURG, Jan. 29.		Per 100
Roses, Beauty, special	40 00	
.. extra	20 00	
.. No. 1	12 00	
.. Killarney	3 00@8 00	
.. My Maryland	3 00@8 00	
.. Richmond	3 00@8 00	
Carnations	3 00	
Calla Lilies	12 00	
Freeseas	3 00	
Gardenias	3 00	
Daisies	2 00	
Cattleyas	50 00	
Violets	50@75	
Sweet Peas	50@75	
Lilium Longiflorum	12 00	
Lilium Rubrum	8 00	
Lily of the Valley	4 00	
Tulips	4 00	
Paper White	3 00	
Romans	2 03	
Baby Primroses	50	
Oncidiums	4 00	
Adiantum	1 25	

MILWAUKEE, Jan. 29.		Per 100
Roses, Beauty, per doz.	2 00@5 00	
.. White and Pink Killarney	6 00@12 00	
.. Richmond	6 00@12 00	
Carnations	1 50@4 00	
Callas	per doz., 1 50	
Lilium Giganteum	per doz., 1 50@2 00	
Lily of the Valley	3 00@4 00	
Stevia	2 00@3 00	
Sweet Peas	1 00@1 50	
Violets, Wisconsin grown	75@1 00	
Adiantum	1 50	
Asparagus	per string, 50	
.. Sprenger, per bunch,	35	
.. Sprays	per bunch, 35@40	
Boxwood	per bunch, 25	
Ferns, common	per bunch, 2 00	
Galax	per 1000, \$1 50	
Smilax	per doz., 1 50@2 00	

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is
fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.

1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist.

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

Per 1000
Dagger Ferns, \$1.50
Fancy Ferns, 2.00

THE LEO NIESSEN CO.,

¶ You cannot find a better grade of ferns anywhere. Regardless of the price you are paying, we invite you to make comparison with others. Why pay more than the price we are quoting?

Wholesale Florists,
 N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
 Lickrun, Cincinnati, Ohio

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
 Pittsburgh, Pa.

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

NOTES.

—Franklin's venture, the new 600-foot rose house is proving very satisfactory. The output has been heavy and of the best, the stock grading high and bringing prices that were quite satisfactory. Mr. Franklin was entirely without experience in the business, but had the courage to invest nearly \$50,000 in the undertaking, and is particularly well pleased with the result.

J. J. Habermehl's Sons have been very busy the past week with social affairs at the Bellevue-Stratford. New additions to this magnificent hotel the past season provide exceptional rooms for public and private functions. The Habermehl firm's work is carried out for the most part by Wm. Graham, who is a past master in handling flowers.

We are glad to see that our old fellow townsman, Walter W. Coles, has been honored by the trade in his adopted state with the presidency of their society. When in Philadelphia Mr. Coles was always an active member of the Florists' Club and served on many important committees.

The Joseph Heacock Co. has just added another carload of cows to the dairy at the farm at Roelefs. All the stock has been pronounced free from disease germs. Daily shipments of milk are now one of the features of the business.

The M. Rice Co. is pushing its Valentine novelties. Novel weaves and fancy color effects make these heart-shaped baskets and hampers very attractive. Gilt arrows are also an offering that should find a ready sale.

Wallace R. Pierson, of Cromwell, Conn., will address the club at its next meeting. Mr. Pierson is one of the successful men of the business, and the members of the club have a great treat in store for them.

Carnations are the feature at the Leo Niessen establishment, some splendid stock being offered. Lilium roseum is seen in good condition and finds a ready sale.

Edw. Reid's Ranstead street market is showing something fine in catterpals. Special carnations are also seen in quantity. K.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, Jan. 29.		
Roses, Beauty, special.....	per doz.,	\$6 00
" " fancy.....	" "	5 00
" " extra.....	" "	4 00
" " No. 1.....	" "	3 00
" " No. 2.....	" "	1 00
Per 100		
" Maid and Bride.....		5 00@ 8 00
" Pink Killarney.....		6 00@15 00
" White Killarney.....		6 00@15 00
" Richmond.....		6 00@15 00
" My Maryland.....		5 00@ 8 00
" Aaron Ward.....		6 00@10 00
Carnations.....		2 00@ 4 00
Lilium Longiflorum.....		10 00@12 00
Lily of the Valley.....		3 00@ 4 00
Pink Japan Lily.....		3 00@ 5 00
Narcissus.....		2 50@ 3 00
Jonquils.....		4 00
Stevia.....		1 00
Swainsona.....		50@ 1 00
Violets.....		50@ 60
Mignonette.....		3 00@ 5 00
Daisies.....		1 00@ 2 00
Adiantum Croweanum.....		75@ 1 50
Asparagus, per bunch.....		35@ 50
Asparagus, Sprenger.....		35@ 50
Ferns.....	per 1000,	\$2 00
Galax.....	per 1000,	\$1 50
Smilax.....		15 00

BOSTON, Jan. 29.		
Roses, Beauty, best.....	50 00@75 00	Per 100
" " medium.....	20 00@35 00	
" " culls.....	8 00	
" White and Pink Killarney.....	4 00@ 8 00	
" " Extra.....	12 00@16 00	
" Taft.....	4 00@12 00	
" Cardinal.....	4 00@12 00	
" Ward and Hillingdon.....	4 00@20 00	
" Killarney and Richmond.....	4 00@12 00	
" My Maryland.....	4 00@10 00	
Carnations, select.....	2 00@ 3 00	
Callas.....	8 00@12 00	
Cattleyas.....	40 00@60 00	
Gardenias.....	12 00@25 00	
Lilium Longiflorum.....	8 00@10 00	
Lily of the Valley.....	2 00@ 4 00	
Sweet Peas.....	75@ 1 00	
Smilax.....	12 00@16 00	
Violets, single.....	75@ 1 00	
" double.....	50@ 75	

CINCINNATI, Jan. 29.		
Roses, Beauty.....	per doz.,	\$1 00@15 00
Per 100		
" Bride, Bridesmaid.....		3 00@ 8 00
" Killarney.....		3 00@ 8 00
" My Maryland.....		3 00@ 8 00
" Perle.....		3 00@ 8 00
" Richmond.....		3 00@ 8 00
" Taft.....		3 00@ 8 00
Carnations.....		2 00@ 3 00
Callas.....		12 50@15 00
Lilium Giganteum.....		12 50@15 00
Lily of the Valley.....		3 00@ 4 00
Orchids.....	per doz.,	6 00
Narcissus.....		2 00@ 3 00
Tulips.....		3 00@ 4 00
Jonquils.....		3 00@ 4 00
Roman Hyacinths.....		3 00
Violets.....		50@ 1 50
" double.....		50@ 75
Adiantum.....		75@ 1 00
Asparagus Plumosus.....	per bunch,	25
Asparagus Sprenger.....	per bunch,	25
Mexican Ivy.....		75



Give Us a
 Trial
 We Can
 Please You.

Roses, Carnations and all kinds of
 Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
 Commission Florists,
BUFFALO, N. Y.
 Florists' Supplies and Wire Designs.

—THE—
J. M. McCullough's Sons Co.,
 Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

**Jobbers of FLORISTS' SUPPLIES,
 SEEDS and BULBS.**

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO.

Wholesale Commission Florists
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

St. Louis, Jan. 29.		
Roses, Beauty, long.....	per doz.,	4 00
Roses, Beauty, medium.....		8 00@15 00
Roses, Beauty, short stems.....		3 00@ 6 00
" Killarney.....		5 00@10 00
" My Maryland.....		5 00@10 00
" White Killarney.....		5 00@10 00
Carnations.....		1 50@ 2 50
Easter Lilies.....		10 00@12 50
Lilium Rubrum.....		8 00
Valley.....		4 00
Asparagus Sprenger.....	2 00@ 3 00	
Asparagus Plumosus, per bu.,	35@60	
Ferns, New, Fancy.....		1 75

New York.

AMERICAN BEAUTIES SCARCE.

The business of the past week was as good as could be expected when all conditions are considered. American Beauties were scarce and the price for specials fluctuated between 75 cents and \$1.00 each. On Saturday, January 25, some inferior specials sold for 75 cents, but the best stock wholesaled for \$1.00 each. In tea roses, good Killarneys sold well. The Killarney Queens and Red Killarneys are new factors in this market and clean up well at good prices. There is a good demand for Sunburst and Lady Hillingdon—both yellow roses—and there is a wide difference of opinion as to their respective merits. In some quarters, Sunburst is all the rage. There are conservative critics who say that, while Sunburst is a fine rose its keeping qualities are not equal to those of Lady Hillingdon. To be more explicit, while the color of Lady Hillingdon improves after cutting, the color of Sunburst deteriorates. There are a few Brides and Bridesmaids on the market here, but there is little demand for them. Useful as they have been in the past, it seems a certainty that their popularity is in total eclipse. Of the new productions such as Mrs. Chas. Russell, Milady and others, there is not enough of them on the market to enable us to arrive at a correct estimate concerning their possible popularity. It might seem, to some people, a strange statement to say there is a surplus of orchids. Nevertheless that seems to be a fact. The orchids have put violets in the discard. Cattleyas are very plentiful and inferior stocks sell at very low prices. Oncidium are also surprisingly plentiful. They are admirably useful for window decorations in the retail stores and are much used for that purpose. Our old friend, the carnation, is battling against fearful odds, the same being 50 cents a hundred for a clean up and \$2.00 to \$3.00 a hundred for the best stock, and they go slow at that. Sweet peas, which sold well earlier in the season, seem to be very slow just now, this doubtless being due to the great influx of tulips, yellow narcissi, freesias and other spring stocks. In the prices of gardenias, there is a wide variance. There are gardenias on the market with 30-inch stems, beautiful glossy green foliage, and large well formed flowers, that wholesale for \$1.00 a dozen; there are many others that sell for any old price. While there are now many tulips on the market, but little strictly fine stock has yet been seen. There is also an abundant supply of paper white and yellow narcissi and freesias, all of which keep moving. In lilies, excellent stock of *Lilium giganteum* and *L. rubrum* is seen, the latter being well adapted and much used for window decorations.

Monday, January 27.—The day was ushered in with pouring rain, consequently business is very slow. As a rule, the retailers are compelled to do some buying on Monday, but with unfavorable conditions they buy as little as possible. There is plenty of stock, considering the volume of trade, and if there is any change in prices they will go lower before the close of business.

NOTES.

C. G. Myer, Fifty-eighth street and Madison avenue, and the Plaza hotel, has recently arranged a number of fine and expensive decorations at the latter place. For a reception given by Thomas Diamond he used 2,000 lilies, 2,000 white roses, 5,000 lilies of the valley and over 40 cases of southern smilax. Another of his recent features at this hotel was the Oppenheim reception for which he had *carte blanche*. The arrangements were very beautiful. Mr. Myer is fortunate in

having an able force of assistants. He has recently purchased another fine automobile for delivery.

Joseph Millang, general manager of the New York Cut Flower Co., sailed for Europe, January 26, on the White Star liner *Majestic*, for a month of rest and recuperation. It is said by his friends that during the sixteen years of his connection with the New York Cut Flower Co., he has never taken a vacation and that the constant strain and close application is affecting his health. Genial and popular, the good wishes of a host of friends will follow him.

Haupt Brothers, 684 Madison avenue, arranged a fine wedding decoration at Grace church on January 25, in which American Beauty roses and much other fine stock was used. At their store we recently noted very handsome baskets, made up with yellow roses, sweet peas and other suitable stock. These small baskets were suspended in their show windows from garlands of smilax, and the effect was good.

L. B. Coddington, of Murray Hill, N. J., who has just returned from an extended trip to Panama and West Indian ports, has recently been in this city calling on business associates and friends. He was struck with the magnitude of the work of constructing the canal and is enthusiastic over its possibilities, when opened. His trip was an enjoyable one and he returned with renewed vigor to push rose growing.

Horace E. Froment recently received an interesting letter from James Maloney, his former bookkeeper, who is now a resident of San Francisco, Calif. In the letter Mr. Maloney speaks of the great changes in that city since the fire and earthquake. He also alludes to the great damage done to fruit trees this winter in Southern California by cold weather.

Inquiring recently about a pink azalea of pyramidal form, at the store of George M. Stumpp, we learned it had been named *Stumppii*, as a compliment to Mr. Stumpp, on one of his recent visits to Belgium, and is shipped exclusively to him, in this city. It makes a fine plant and grows to a good pyramidal form without training or pruning.

Thomas Young, Jr., with a retail store on Fifth avenue, and greenhouses at Bound Brook, N. J., has certainly the last word in gardenia growing. The stock recently seen at his store was magnificent, some of the stems rising above 30 inches, with bloom and foliage to match.

John S. Nicholas, of Madison avenue, who has secured the concession for flowers and fruit in the new Grand Central station, expects to take possession about March 15. His store will occupy 55 or 60 square feet of space, and will doubtless be a paying proposition.

Mrs. Mary Kimball died at her home, 215 Audubon avenue, January 24. She was the wife of Willard Kimball, a well-known and respected employe of Chas. Thorley. She is survived by her husband, two sons and two daughters.

At Thorley's House of Flowers we recently noted a very fine window decoration of cattleya orchids, *Lilium rubrum*, lilac and other suitable blooms, the whole having an artistic background of fine foliage plants.

On January 22 there was an accession to the A. T. Bunyard force, not necessarily a florist, though he may become one later. Mother and child are doing well. There are now three lusty boys in the Bunyard family.

Miss M. Roessler is now bookkeeper at J. K. Allen's wholesale store, she having succeeded Miss Mona Smedley, who was recently married.

Ralph Armstrong, Madison avenue and Forty-seventh street, has recently

arranged a number of fine decorations for social events for Mrs. Stuyvesant Fish, the well-known society leader.

Although there has been a change in name, the business of A. J. Guttman continues prosperous under his management.

At the store of the S. S. Pennock-Meehan Co. good stock of Killarney Queen is frequently noted. A. F. F.

Horticultural Society of New York.

This society held an exhibition in the American Museum of Natural History, by permission of the trustees, on January 25. There were quite a number of exhibits of select stock. Notable were the carnations, Matchless, by the Cottage Gardens Co., Queens, N. Y.; the carnations, Northport, by James D. Cockcroft, Northport, N. Y.; orchids by Lager & Hurrell, Summit, N. J., and orchids by Clement Moore, Hackensack, N. J. The meeting of the society was held in the east assembly room, where also, Prof. George T. Powell delivered a most interesting lecture on "The Educational and Financial Importance of Horticulture in the Community." Representing the exhibition committee were: F. R. Pierson, secretary; Geo. V. Nack and Joseph A. Manda.

The awards were as follows:

A vase of pink carnations, Northport—James D. Cockcroft, Northport, N. Y., silver medal.

Vase of white carnations, Matchless—Cottage Gardens Co., Queens, N. Y., silver medal.

Twelve carnations, Winsor shade; variety, Dorothy Gordon—Henry Siegel, Mamaroneck, N. Y. (Thos. Atchison, gardener), first prize.

Carnation, Erskine Park—Mrs. Westinghouse, Lee, Mass., second prize.

Twelve Enchantress carnations—Jas. A. MacDonald, Flushing, N. Y. (R. Hughes, gardener), first prize.

Fifty scarlet carnations, Beacon—Henry Siegel, first prize.

Collection of orchid plants—Lager & Hurrell, Summit, N. J., first prize.

Collection of orchids, cut flowers of cattleyas—Clement Moore, Hackensack, N. J., first prize.

Hybrid orchid plant—Clement Moore, first prize.

Amaryllis—James MacDonald, special prize.

Freesia hybrids—Wm. Ziegler, Norton, Conn., special prize. This was a very interesting collection, showing variety in color, a very desirable feature in freesias.

Twelve seedling crimson carnations—James A. MacDonald, first prize.

A fine collection of seedling primulas was exhibited by E. B. Southworth, New York city. A. F. F.

New York State Floral Clubs.

The programme of the sixth annual Farmers' Week, to be held at the New York State College of Agriculture, Cornell University, Ithaca, N. Y., February 10-15, 1913, has been issued and promises an unusually interesting and instructive meeting. The New York State Federation of Floral Clubs will meet Wednesday, February 12, in connection with the Farmers' Week. Home Gardening day will be Friday, February 14.

An exhibition will be held in connection with the meeting of the florists' clubs, and it is desired that all the growers of new varieties of flowers will send in exhibits. This is expected to prove one of the largest of the mid-winter exhibitions. The meeting of the New York State Vegetable Growers' Association will be another interesting feature of the week. There will be a horticultural banquet Wednesday evening and an address by Prof. L. A. Bailey, Monday evening.

The programme on Wednesday will include the following lectures: "Greenhouse Construction," Prof. A. C. Beal; "The Rose and Its Culture," Dr. E.

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NEW YORK

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Lily of the Valley, Gardenias, Orchids, Violets, a Specialty.

M. Mills; "Twentieth Century Horticulture," H. H. Bunyard; "Asters and Their Culture," George Arnold; "Diseases of Florists' Crops," Dr. D. Reddick.

The following subjects will be discussed Friday: "Planning and Planting the Home Vegetable Garden," A. E. Wilkinson; "Planting the Home Grounds," George Arnold; "Mushroom Growing for the Home," Prof. Lewis Knudson; "Sweet Peas and Their Culture," Prof. A. C. Beal; "House Plants and Their Culture," Lua A. Minns; "Demonstrations in Propagation and Handling of Flowers and Garden Plants," A. B. Cornelius.

Lancaster County Florists' Club.

Twenty-seven members of the Lancaster County Florists' Club left Lancaster, Pa., to visit Strasburg, the first stop being made at Amos Rohrer's place, where we found the carnations in extra fine form, clean, vigorous and well set with buds and flowers. The varieties grown are Mrs. C. W. Ward, White Wonder, White Perfection, Pink Delight, Enchantress and a very fine house of Mrs. T. W. Lawson, as highly colored flowers as the writer ever saw.

From there we went to the greenhouses of Chas. B. Herr, the cleanest and best kept greenhouses in the state devoted to carnations, the varieties being Pink Delight, Enchantress White Wonder, White Perfection, White Enchantress, Gloriosa and as fine a lot of Beacon as one would want to see. He also had a few of Henry Rohrer's red seedling on trial and they certainly outclass anything in this line grown today in this section.

A call was also made on Enos Kohr of North Lancaster, where the third fine lot of stock was seen, his Mrs. C. W. Ward being the best thing on the place, which is saying a good deal; for all of his stock is good. The stock in the wooden benches is slightly better than that in those of cement, of which he has several houses. At this place a part of a bench of Rosette made a very good showing.

A meeting of the club was held at 7:30 p. m. and the following officers were elected for the ensuing year: Albert M. Herr, president; Elmer Weaver, vice-president; Lemon Landis, secretary; Harry K. Rohrer, treasurer.

E. P. Hostetter of Manheim made a display of about twelve vases of very fine sweet peas with foot long stems. After an informal discussion on the Christmas trade the president appointed M. J. Brinton, H. K. Rohrer and Frank Kohr, a committee to arrange a programme for the remaining winter meetings. This committee reported that Thursday, February 20 would be carnation night, with a paper by Elmer Weaver on the novelties of last season's introduction.

As there are 55 growers in this section and 51 of them belong to this club and the average attendance is about 40, 45 of whom are growing carnations in a wholesale way, it stands to reason that a bunch of flowers from the introducers of this season's novelties will find an appreciative audience. Intending exhibitors should send their exhibits to H. A. Schroyer, Lancaster, Pa., to reach him by or on February 20.

After the meeting the first annual dinner of the club was held at the hotel Weatland. ALBERT M. HERR.

Wholesale Flower Markets

NEW YORK, Jan. 29.		Per 100
Roses, Beauty, special.	60	00@75 00
extra and fancy	40	00@50 00
No. 1 and No. 2	2	00@15 00
Bride, Bridesmaid special.	5	00@8 00
extra and fancy	3	00@4 00
No. 1 and No. 2	1	00@3 00
Killarney, My Maryland.		
special	6	00@10 00
extra	4	00@6 00
No. 1 and No. 2	1	00@3 00
Queen, special	10	00@12 00
Red, special	10	00@12 00
Hillingdon, Aaron Ward	12	00@15 00
Richmond	5	00@15 00
Sunburst, special	6	00@10 00
Taft, special	12	00@15 00
Mrs. Geo. Sawyer, special	15	00@25 00
Carnations		
Jonquils	2	00@3 00
Cattleyas	25	00@50 00
Gardenias	10	00@30 00
Tulips	1	00@2 00
Lilies, Longiflorum and Harrisii	6	00@8 00
L. Rubrum		10 00
Lily of the Valley	2	00@3 00
Narcissus, Paper White	1	00@1 50
Sweet Peas, per doz, bunches	50	@1 00
Violets	25	@40
Adiantum Croweanum	15	@50
Asparagus Plumosus, doz, bchs	1	50@3 00
Smilax, per doz, strings	1	00@1 50
Lilac, per bunch	50	@75c
Freesias, per doz, bun	1	50@2 00

Nassau County Horticultural Society.

The seventh annual dinner of this society was held at Glen Cove, L. I., on the evening of January 23, and was one of the largest gatherings ever held under the auspices of this society, eighty-five members and guests being present. President Brown on behalf of the society presented the retiring president, J. F. Johnston, with a pearl scarf pin as a token of esteem for the valuable service rendered the society by him during his term as president. Arthur Herrington of Madison, N. J., was introduced as toastmaster and read a letter from M. C. Ebel, secretary of the National Association of Gardeners, offering his regrets at not being able to attend and informing the members of the bowling tournament to be held the week of the International Flower Show in New York. C. H. Siebrecht responded for the New York Florist Club and spoke on the coming big show in New York and asked every member to do his share in making this exhibition a big success. Among others who entertained the guests with addresses and songs were J. T. Ingraham, E. Ortiz, Rev. J. Gammon, J. C. Davis, Wm. Kinnear and F. Bownes. Out-of-town guests who responded were, Messrs. Sporing, McTaggard, Bunyard, Manor and Goodsul. The dinner was served in excellent manner and was undoubtedly the best ever.

JAMES MACDONALD, Sec'y.

Georgia Horticultural Society.

The Georgia Horticultural Society held its thirty-seventh annual meeting at Athens at the State College of Agriculture, January 16-17. President R. C. Berckmans gave a resume of the work of the society since its organization. Others on the programme were: Prof. W. A. Worsham, state entomologist, who talked on "Orchard Enemies and Their Control;" Prof. C. Keffer, Knoxville, "Summer Pruning of the Peach;" C. J. Hood, Commerce, "How to Top the Peach Market;" Prof. T. H. McHatton, "Horticultural Extension;" Prof. H. P. Stuckey and Prof. J. W. Firor "Pecans." Presi-

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American Beauty Roses a specialty, Roses,
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Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.**Paul Meconi**

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18 Years Experience.

dent Andrew M. Soule, of the College of Agriculture, gave an address at the evening session, and Prof. H. H. Hume followed with a lecture on Japanese persimmons. The morning session of the second day was given over to discussion of apples, and an election of officers was on the programme for the afternoon.

ORDER YOUR BASKETS NOW

For YOUR EASTER TRADE

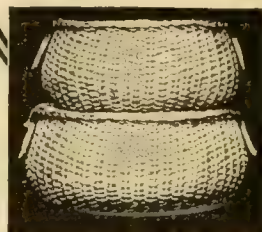
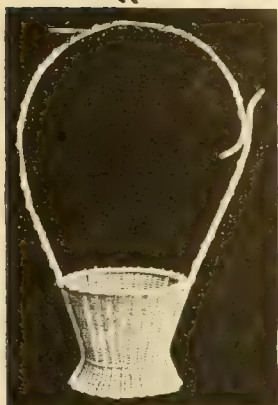
You can safely leave the selection of the baskets to us, because we are in business here to stay.—We want your patronage both now and in the future, therefore we will do our best to please you. Let us send you one of our

Easter Assortments from \$5.00 up

A nest of fine willow fern baskets, like those shown here, stained either brown or green, will be included if desired; also one or two of these beautiful rattan baskets for plants or cut flowers. Send us your check for the amount you wish to spend—we will immediately ship the assortment to you. If you don't like the baskets when they arrive, return them to us and we will promptly refund your money. These baskets are all newly imported stock—no left-overs in our assortments.

So send your order today to

The Raedlein Basket Co., 713 Milwaukee Ave.,
CHICAGO



WRITE FOR OUR NEW ILLUSTRATED CATALOGUE

"Refrigerators For Florists"

It contains much valuable information and gives you a few reasons why you should buy a **Buchbinder Refrigerator**. Free to THE AMERICAN FLORIST's readers upon request. Send for it.

BUCHBINDER BROS.,

518 Milwaukee Ave.,

CHICAGO, ILL.

Boston.

ROSE MARKET FIRM.

The weather is still the all-absorbing topic. Some Scotchmen were predicting the usual blizzard Burns' birthday, but the day passed with clear skies and spring-like air. Ploughing the fields is no unusual sight. Landscape men are planting shrubs and trees. The market in roses is yet firm. There is not an oversupply. Crops with many of the growers is off, short stock being particularly scarce. Carnations are about the same, and there are some very fine blooms of this flower on the market. Tulips are in. Trade as a whole is satisfactory, and the shipping trade—the backbone of it all—is good. This is a business which was created by the wholesalers, and many flowers in glut times find an avenue but for which they would be thrown on the dump.

NOTES.

A fire was discovered Friday at 3 a. m. on "Brimstone Corner," at the Co-Operative Market's headquarters. The fire is supposed to have started in the toilet room, and had gained considerable headway when discovered. Saturday morning the glaziers were finishing putting in the windows. The ceiling was badly burned, the stalls were scorched and some of the growers' boxes burned up. A cigar or cigarette, we hear, thrown carelessly, was the cause.

Glass at present is somewhat higher than last year, and growers are shy in

WHY FAILURES RESULT

The following is an abstract of a communication received:

*"I would like you to advise me how much Aphine to use. . . The reason I make this inquiry of you direct is, I used Aphine in in my house (for green aphids) in a mixture of one teaspoonful * to each quart of water without success. . . This is the way Aphine was used by party giving me information. . ."*

(*Directions:—six teaspoonfuls)

Had the inquirer followed directions, instead of accepting advice of the friend, his results would have been different.

In this instance Aphine was not condemned, but information sought of the manufacturer and advice given in reply,—carefully follow directions—then your results will be satisfactory.

How many, failing to get satisfactory results from a product after using according to some one's suggestions and not following directions, have condemned that product; whereas, investigation may have turned failure into success for you?

"THE WISE MAN SEEKETH KNOWLEDGE."

For full information see advertisement, page 102.

Special prices on quantity to commercial growers.

Mention the American Florist when writing

ordering. There is not the rush for it that we had a year ago.

The Boston Flower Exchange will move to 1 Winthrop Square about February 17.

Thomas F. Galvin had an excellent display of cattleyas in his show win-

dow, and the public appreciated the display.

MAC.

NEW BRUNSWICK, N. J.—Miss Ella Kitchenmeister, a florist, was married to Herbert D. Woglom, January 12.

Dennison
QUALITY



Dennison's
TRADE MARK

Tags for Florists

Give the Final
Touch to an
Attractive
Box

This
is the
Season of
Debutantes'
Dinners
and Dances

Busy Florists

Will ship box after box of beautiful flowers. Of all the accessories to the flowers, the tag is the most important. It should be attractively printed with crest or monogram on clean white stock. The Tag is the Business Card of the florist on his goods. It must represent him in quality.

Write for samples of Dennison Tags

Dennison Manufacturing Co.

THE TAG MAKERS

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26 Franklin St.

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NEW YORK
5th Av. & 26th St.

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1007 Chestnut St.

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5,000

Natural Prepared Birch Branches

(Fireproof)

GREEN RED LEATHER

\$7.50 per 100

Gustave Schroeder,

1524 PROSPECT AVE., CLEVELAND, OHIO

Baltimore.

BUSINESS BRISK.

Business has been pretty brisk since the holidays, and especially the demand for good quality of flowers. The demand for roses is very good and the long-stemmed perfect buds find ready sale. The social season will soon close now, and the functions demanding many flowers will be over until Easter. The outlook, though, for the grower is that there will be enough good stock on the market for that season.

NOTES.

The Florists' Exchange had their regular business meeting January 13 at the Exchange hall. The following directors and officers were elected to serve the present year: Isaac H. Moss, president; Philip B. Welsh, secretary; William A. Kehursh, treasurer; Martin Lohr; John Rider; William Lerch; Fred Bauer. A marked increase in business over last year was noted. This is the only cut flower commission house in the city and the consignments have been larger from the growers and of better quality than in past years. Flowers of all kinds have run better, consequently the orders coming into the exchange have been filled with better satisfaction. It has been found necessary to increase the size of the offices, and this work is going on at present.

The weather of the past two weeks has been so spring-like in its variety that some of the flowering shrubbery has blossomed out. Some apprehension has been felt about the fruit and flowers budding too early this year.

Manager Perry, of the Florists' Exchange, has recovered from an attack of illness.

Lehr Bros. will erect a larger house for American Beauties in the spring,

60x125 feet. They have quite a large range of glass and their houses are up to date in every respect. B.

Cleveland.

STOCK PLENTIFUL.

The weather in and around Cleveland is very poor for the florist. It's either rain or slush, and transient business is very light. Lent beginning February 4 will most likely put another crimp in business, but we live in hopes of having a good Easter trade. Stock just now is in good supply. There are plenty of tulips, narcissi, etc., although most of it is short stemmed stock. Daffodils are a little scarce. Carnations are about equal to the demand, but a vast number of them are "splits." Pink and White Killarney are quite plentiful. Sweet peas are still short of the demand. Valley is plentiful. Orchids are selling better. Lilies are good stock. Local wholesale houses are showing a fine line of novelties for Washington's birthday and St. Patrick's day.

NOTES.

Jack Eckert, road salesman for the Cleveland Florists' Exchange, had to cut his trip through southeastern Ohio and Pennsylvania short this week on account of the floods, but made several long distance telephone calls, got the business and saved the day.

The Cleveland Florists' Club's novelty night of this year will be Monday evening, February 10. All the new roses and other flowers are expected, and any novelty will be given space.

I. Rosnosky, representing the Henry F. Michell Co., Philadelphia, Pa., is a visitor this week.

Purple Ruscus for the Easter trade is meeting with a good demand. C. F. B.

Rochester, N. Y.

MARKET CONDITIONS GOOD.

The market for the last week has been very good; stock is arriving in pretty good condition, and retailers are disposing of it very nicely. Roses are in good shape and sell well, especially Sunbursts and Killarneys. Violets are plentiful.

NOTES.

Geo. B. Hart received a fine shipment of cyclamens during the week.

Edw. Brockmann, of Irondequoit, has three houses of well grown carnation plants and a large house completely filled with bedding plants. In the near future he expects to make extensive improvements at his plant.

Montgomery Cushman & Co., of this city, have been awarded a contract for \$10,000 worth of seeds for the United States Department of Agriculture. The seeds are to be grown this year and supplied to the department after January 1, 1914.

A massive floral boat was supplied by H. E. Wilson to one of his customers who gave a going-away party to friends. The design measured four feet in length. Several hundred carnations and violets were used.

Hiram E. Wilson did the decorations at the Noyes-Williams wedding on January 22. Pink Killarney roses and asparagus plumosus were used exclusively.

Visitors this week included Morris Cohen, of Wertheimer Brothers, New York, and Julius Berg, of Lion & Co., also of New York.

H. J. H.

LAFAYETTE, IND.—The Indiana State Florists' Association will meet here February 4.

The American Florist Company's Directory of
Florists, Nurserymen and Seedsmen of the United States and Canada.

(Copyrighted and Title Trade-Mark Registered.)

Directory Revision

We are revising our **Trade Directory** of the **Florists, Nurserymen, Seedsmen**, etc., of the United States and Canada, and as there have been many changes in firm names and considerable extension of the area under glass, nursery grounds, etc., you would greatly oblige by supplying the following information with reference to your business:

In all cases state (1) Name of firm or proprietor, with the officers of corporations; (2) Name of manager; (3) Address, giving street and number or rural route; (4) City or town; (5) State; (6) When business was established; and (7) Whom present owner succeeded.

If Florists, state whether (1) Grower; (2) Retail, having store only, (3) Wholesale; or (4) Commission. If a grower state acreage of ground operated and give number of square feet of glass.

To ascertain the number of feet under glass in a given house, 12x145 feet 145
multiply the length (145 feet) by the width (12 feet) and you have in 12
that house 1,740 feet under glass, thus,.....1,740

If Nurserymen, state whether (1) Wholesale; (2) Retail; (3) Acreage of ground operated, and area under glass as in the case of florists above.

If Seedsmen, state whether (1) Dealer; (2) Grower; (3) What your specialties are; (4) If a grower, state acreage operated and area under glass, as in the case of florists above.

Inclose your printed letterhead or business card with above details of the business.

Please send the names and addresses of new firms in your vicinity.

Horticultural Supply Concerns

We also list all lines of **Horticultural Supply Concerns**, such as manufacturers of **Greenhouse Building Materials, Boilers, Ventilators, Glass, Insecticides, Pots, Labels, Seed Bags, Fertilizers, Wire Designs, Tinfoil, Vases, Machinery, Implements, Sprayers, Seed Cases, Flower Pots, Florists' Boxes, Ribbons, Etc.** The specialties are also listed under these heads in the case of advertisers.

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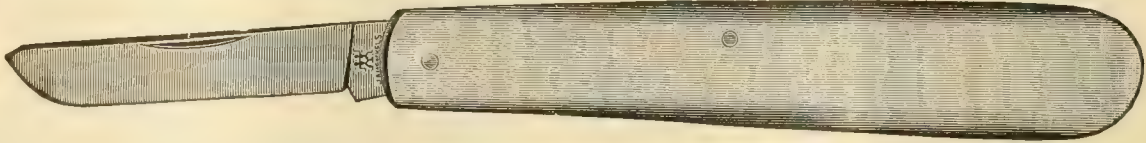
Page (3½ x 6½ inches).....	\$25.00
Half page (3½ x 3¼ inches).....	15.00
One-fourth page (3½ x 1½ inches).....	9.00

The Price of the Book is \$3.00 Per Copy, Postpaid.

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This Budding Knife Free



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employees. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employees) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.

VALENTINE DAY NOVELTY==RICE'S GOLDEN ARROWS.

assorted sizes, 7, 10 and 13 inches long. Parcel post will bring them to your door.

One week old, thousands sold already. Painted in bright gold, \$5.00 per 100,

M. RICE CO.

THE LEADING FLORISTS' SUPPLY HOUSE AND RIBBON SPECIALISTS.

1220 Race Street

PHILADELPHIA, PA

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of



Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

We are now filling orders for

Southern Wild Smilax

Natural and Perpetuated Sheet **MOSSES**
E. A. BEAVEN, Evergreen, Ala.

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50

A most pleasing substitute for Green Wild Smilax
New crop Fancy and Dagger Ferns now ready.
Write, wire or phone.

Caldwell the Woodsman Co.
Everything in Southern Evergreens.
EVERGREEN, ALABAMA.

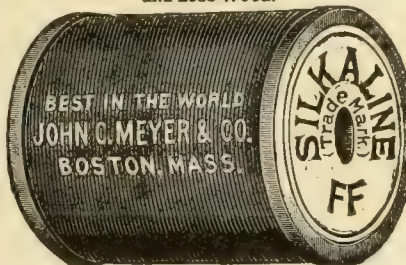
CUT FERNS, Best Quality

1,000 at \$1.35;
2,000 at \$2.60;
5,000 or over \$1.20 per 1000
Robert Groves, 127 Commercial St.
ADAMS, MASS.

SOUTHERN WILD SMILAX

New crop now ready Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

Do Not Take Any Fake Green Thread. Use the
Genuine Silkline and Get More Thread
and Less Wood.



JOHN C. MEYER & CO., Lowell Thread Mills,
1495 Middlesex St., Lowell, Mass.

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes

The MEYER Green

SILKLINE

Used by Retail Florists for mossing funeral
designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it
will not fade or rot in the greenhouse. The Meyer
Silkline was the first green thread to be introduced
among Florists and Growers. It is handled by the
best houses everywhere, but it should be ordered by
name—Meyer's Silkline—to be sure of getting the
genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the
manufacturers. Price for any size or color, \$1.25 per
lb. Sizes "F" fine, "FF" medium, and "FFF" coarse.



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$5.00
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

ATTENTION RETAILERS! No Jobbers' Profit Added to These Prices. Direct from the Mountains to YOU.

	Per 1000	Per case		Per 1000	Per case
Green and Bronze Galax.....	50c	\$4.00..(10,000)	Green Leucothoe (Long)....	\$2.00	3.50..(2,000)
Dagger Fern.....	70c	3.25..(5,000)	Green Leucothoe (Short)...	1.00	1.75..(2,000)
Fancy Fern.....	65c	3.00..(5,000)	Rhododendron Leaves.....	50c	2.00..(5,000)

ELK GALAX & FERN COMPANY.

Terms Cash. Prompt Shipment. No orders
too small to have our attention.

BEST REFERENCES. BANNERS ELK, N. C.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below. the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

DULUTH, MINN.

2 STORES 2

SUPERIOR, WIS.

J. J. LEBORIUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

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Established in 1857.

Wittbold
FLORIST

739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing

Chicago.

A. LANGE,
25 E. MADISON ST.

Chicago. Des Moines.

ALPHA FLORAL CO.146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.

Alexander McConnell,
611 FIFTH AVE., COR. 49TH STREET.
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

CHICAGO
Mangel
The
Palmer House
Florist
17 E. MONROE ST.

Mention the American Florist when writing

Brooklyn, New York.

"WILSON"3 and 5 Greene Ave.. Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.
Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

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John G. Heint & Son,
129 South Seventh St.
Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,
440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

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J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing



FROM NEW YORK EXCEPT AS NOTED.

February 1.

FROM HALIFAX, Hesperian, Allan.
New York, American, 9:30 a. m., Pier 62,
North River.
Cymric, White Star, 12 noon.
New York, White Star 9:30 a. m.
FROM BOSTON, Canopic, White Star, 7 a. m.
FROM PORTLAND, Dominion, White Star-Dom.,
10 a. m.
Alice, Austro-American, 1 p. m.
Sant' Anna, Fabre, 3 p. m.
Como, Porto Rico.
Trent, Royal Mail.

February 4.

FROM BOSTON, Saxonia, Cunard.
Ryndam, Holland-America, 10 a. m.
Kronprinzessin Cecilie, North Ger. Lloyd, 10
a. m.
Grenada, Trinidad.

February 5.

FROM PORTLAND, Scandinavian, Allan.
La Touraine, French, 10 a. m., Pier 57, North
River.
Laplant, Red Star, 10 a. m., Pier 61, North
River.
FROM BALTIMORE, Main, North Ger. Lloyd,
2 p. m.
Maracaibo, Red "D," 12 noon.
Dochra, Barber.

February 6.

FROM ST. JOHN, Lake Erie, Allan.
Celtic, White Star, 12 noon.
President Lincoln, Ham.-Amer., 9 a. m.
Barbarossa, North Ger. Lloyd, 10 a. m.
Oscar II, Scand.-Amer., 2 p. m.
FROM ST. JOHN, Cassandra, Donaldson.

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

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Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORKAnd give special attention to steamer and theater
orders. Prompt delivery and best
stock in the market.

Dallas, Texas.

**The Texas Seed and
Floral Company**

Orders for cut flowers and designs solicited for
delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and I Street

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St. Paul, Minn.

L. L. MAY & CO.Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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Established 1874.

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N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

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20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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**WILLIAM L. ROCK
Flower Co.**

Will execute orders for any
town in

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Atlanta Floral Co.

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**"Penn, The Telegraph Florist"**

Member of Florists' Telegraph
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37-43 BROMFIELD STREET

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**Hess & Swoboda
FLORISTS,**1415 Farnum St. **TELEPHONES**
1501 and L 1582

Name Index to Retail Florists
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Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Carbone, Phillip L., Boston.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyes, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schnectady, N. Y.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Hoffman, 59 Mass Ave., Boston.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Ostertag Bros., St. Louis.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Parker, John L., Birmingham, Ala.
Pellicano, Rossi & Co., San Francisco, Calif.
Penn, The Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Williams, Mrs. E. A., Pittsburg.
"Wilson," 3 and 5 Grene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
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Corner Broadway and Gratiot Avenues.

Artistic Designs.
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We cover all Michigan points and good
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All Orders Given Prompt and Careful Attention

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Personal Attention to all Orders.
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Flowers in any arrangement for all occasions.
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Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

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Best Quality on Shortest Notice.

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Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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CLEVELAND

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All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

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Send flower orders for delivery in

**Boston and all
New England Points**

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Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

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Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Birmingham, Ala.—John L. Parker.
Boston—Phillip L. Carbone.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
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Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
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Nashville, Tenn.—Gony Bros.
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New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
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Pittsburg—Mrs. E. A. Williams.
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St. Paul, Minn.—L. L. May & Co.
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San Francisco—Pelicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalla, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
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Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
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Established 1849

David Clarke's Sons

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2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

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Prompt and careful attention to orders from out-of-town florists.

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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

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Canada's best known and most reliable florist

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We deliver anywhere in Canada and guarantee safe arrival.

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Will take proper care of your orders in **Wisconsin**

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Orders will be carefully cared for by

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Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone
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Member of Florists' Telegraph Delivery.

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The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

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CUT FLOWERS

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Get them at Dreer's
PALMS FOR DECORATING.

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Kentia Forsteriana — Bushy Made up Plants.

5-inch pots,	4 plants in a pot,	20 to 24 inches high	Each, \$	.75
7 " tubs,	3 " tub,	36 " " " " " "	"	2.00
7 " " "	3 " " "	40 to 42 " " " " " "	"	3.00
8 " " "	3 " " "	4 to 4½ feet high	"	6.00
9 " " "	3 " " "	4½ to 5 " " " " " "	"	8.00
10 " " "	3 " " "	5 to 5½ " " " " " "	"	10.00
12 " " "	3 " " "	5½ to 6 " " " " " "	"	15.00
13 " " "	4 " " "	6½ to 7 " " " " " "	"	20.00
15 " " "	4 " " "	7 " " " " " "	"	25.00

Kentia Forsteriana—Single Plants.

5-inch pots.	6 leaves, 22 to 24 inches high	Each, \$	.75
6- "	6 "	28 to 30 "	1.00
6- "	6 "	34 to 35 "	1.50
7- "	6 to 7 "	36 to 40 "	2.00
7- "	6 to 7 "	40 to 42 "	3.00
8- "	tubs, 6 to 7 "	45 to 48 "	4.00
8- "	6 to 7 "	4 feet high	5.00
11- "	7 to 8 "	5 to 5½ "	8.00
11- "	7 to 8 "	5½ to 6 "	10.00
12- "	7 to 8 "	6 "	15.00

Kentia Belmoreana—Single Plants.

5-inch pots,	6 to 7	leaves, 18 to 20 inches high.	Each, \$.75
6 "	6 to 7	" " 24 "	" 1.00
6 "	6 to 7	" " 28 to 30 "	" 1.50
7-8 "	6 to 7	" " 30 to 36 "	" 2.50
tubs	6 to 7	" " 45 to 48 "	" 5.00
11-12 "	7 to 8	" " 4½ feet high.	" 8.00
	8 to 10	" " 5½ "	" 10.00

For the most complete list of other Palms, as well as for a full line of all seasonable stock, see our current wholesale list, a copy of which will be sent on application if you have failed to receive one.



HENRY A. DREER, Inc.

714 Chestnut Street.

PHILADELPHIA, PA.

The above prices are intended for the trade only.

Hydrangeas

Pot Grown for Forcing.

ALL IN 6-INCH POTS

Otaksa, with 5 and 6 branches.....	\$20 00
Otaksa, with 4 branches.....	15 00
Otaksa, with 3 branches.....	12 00
Otaksa, with 2 branches.....	10 00
Thos. Hogg, with 5 and 6 branches	20 00
Souvenir de Claire, with 7 and 10 branches.....	25 00

Now Ready for Delivery

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Florists and Nurserymen

Newark, - New York

Franzen's Seeds Sure to Grow.

Asters, Queen of the Market.....	07.	\$0.50
Ageratum, Blue.....oz.	\$0.60	 Snapdragon.
Alyssum, Little Gem.....	30	.75
Lobelia, Emperor William, Blue.....	30	.75
Pansy, Giant Strain.....	30	.75
Petunia, Superfine Mixed.....	1.25	
Phlox, Drumundii Mixed.....	.75	
Stock, Ten Week Double.....	.55	
Verbena Hybrida, Mixed.....	1.00	
	.55	

N. 1476 Summerda
Send for trade list.

Rooted Carnation Cuttings

BIG VALUE AT THE PRICES QUOTED:

**Beacon, White Enchantress, Enchantress, Rose
Pink Enchantress and White Perfection, \$2.50
per 100; \$17.50 per 1,000.**

Rooted Rose Cuttings

White and Pink Killarneys, \$3.00 per 100; \$27.50 per 1000. Richmond, \$1.75 per 100; \$15.00 per 1000. Mrs. Aaron Ward, \$4.00 per 100; \$35.00 per 1000.

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DAHLIAS

Standard and New Cut Flower Varieties

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Mention the American Florist when writing

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

VISITED CHICAGO: Chas. Loechner,
of Loechner & Co., New York.

CLEVELAND, O.—It is reported that
Ohio gladiolus growers will hold a
meeting at the American house, Feb-
ruary 1.

Congressional Seed Bids.

After the bids for supplying seeds
for congressional distribution were
opened at Washington, D. C., January
7, they were referred to the Bureau
of Plant Industry for consideration
and recommendation by a sub-commit-
tee which acts in an advisory capacity
to the department board of awards and
supervises the tabulation of the bids
by varieties, bidders and quotations
on each variety. In making recom-
mendations for the award of contracts
the committee is guided by the follow-
ing considerations:

(1) Varieties which are not deemed
suitable for distribution are ignored
regardless of low price. (2) Surplus
seeds are secured in all cases where
prices are not excessive, usually all
offered being taken. (3) Balance of
the seed required to fill the distribution
is purchased on growing contract basis,
sometimes slightly more than the re-
quirements, to provide for probable
crop shortages. (4) Preference is al-
ways given to American-grown seed
and to American bidders unless the
difference in price is excessive. (5)
Surplus orders are divided between bid-
ders at the same price. (6) Contract
orders are divided between growers at
approximately the same price in or-
der to have the seed grown in dif-
ferent localities and provide against
crop failure in one locality. (7) Where
bids are the same, preference is given
to the bidder who has made the most
satisfactory deliveries in the past.

Approximately 75 per cent of the
seed required for congressional dis-
tribution is purchased from surplus
stocks; (1) in order to have seed in
the warehouse to keep the packing
force and equipment employed in the
autumn before new crop seed can be
harvested, cured and delivered; (2) to
avoid interruption and delay in hand-
ling the distribution on account of the
partial crop failure and shortage on
contracts; (3) to relieve the seed trade
of large surplus stocks due to over-
production. As an illustration of the

manner in which the purchase of sur-
plus seed by the government directly
benefits the seed trade, the item of
onion seed may be mentioned. Large
quantities were offered at compara-
tively low prices, showing that there
is more surplus onion seed than the
trade can absorb. If carried over by the
seedman it would have to be at a loss
and if thrown on the market it would
force prices down to a very low point
throughout the country. By purchas-
ing heavily for the congressional dis-
tribution a large portion of this sur-
plus will be withdrawn from the trade
and prices on the remaining stocks can
be maintained at normal.

The government wishes to emphasize
this point because it says it has, so
far as lies within its power, endeav-
ored to conduct the congressional dis-
tribution and the purchase of seed for
that purpose in such a manner as will
result in the least disturbance to nor-
mal conditions as determined by sup-
ply and demand. It has always seemed
clear to the officials in charge of the
distribution that if the seed trade
would cooperate with the department
in the matter of submitting quotations

on surplus stocks at prices not greatly
in excess of growing contract prices,
the Department could often relieve a
serious situation in the seed trade.
Where sufficient seed to meet the re-
quirements of the distribution is not
purchased from surplus stocks, con-
tracts are made for growing new crop
seed, thereby enlarging the area
planted and increasing the amount of
surplus stocks in case of overproduc-
tion.

Another feature of the distribution
which can be made of benefit to the
seed trade is the opening of the seed
bids in the presence of competing bid-
ders or their representatives. This af-
fords an excellent opportunity for
seedsmen to estimate the quantity of
surplus stocks on the market and the
range of prices for growing contracts.
A number of seedsmen are shrewd
enough to see this point and are taking
advantage of the opportunity each
year. The department does not feel
justified in publishing the quantities or
prices of seed purchased from individ-
ual seedsmen but had no hesitation
in giving the names of successful bid-
ders:

FIRM AND LOCATION.	SEED.
Aggeler & Musser, Los Angeles, Calif.	Peas
F. W. Bolgiano, Washington, D. C.	Turnip
John Bodger & Sons, Los Angeles, Calif.	Flower
F. H. Bomke, Muscatine, Iowa	Watermelon
Braslan Seed Growers Co., San Jose, Calif.	Carrot and Onion
Jos. Breck & Sons, Boston, Mass.	B. Sprouts, Turnip, Flower
Jas. Carter & Co., London, Eng.	Parsley, Parsnip and Flower
E. B. Clark Seed Co., Milford, Conn.	Corn
Corry Seed Co., Enid, Okla.	Watermelon
M. Cushman & Co., Rochester, N. Y.	Beans
Henry Fish & Co., Carpinteria, Calif.	Beans
E. S. Flor, Omaha, Neb.	Squash
S. M. Isbell & Co., Jackson, Mich.	Corn, Cucumber and Radish
V. Johansen Seed Co., Arroyo Grande, Calif.	Poppy
Chas. Johnson, Marietta, Pa.	Kohl Rabi
Chester Johnson, Rocky Ford, Colo.	Muskmelon
N. B. Keeney & Son, Le Roy, N. Y.	Beans
Kimberlin Seed Co., Santa Clara, Calif.	Lettuce
Chas. H. Lilly Co., Seattle, Wash.	Peas
Lompoc Pro. & Real Est. Co., Lompoc, Calif.	Beans
McGill Seed Growers Co., San Francisco, Calif.	Carrot
Mauldin Bros., Cairo, Ga.	Collards
Henry Mette, Quedlinburg, Germany	Radish and Flower
E. H. Morrison, Fairfield, Wash.	Turnip and Flower
C. C. Morse & Co., San Francisco, Calif.	Peas
King Pharr, Catherine, Ala.	Okra
P. J. Reifel, Rocky Ford, Colo.	Muskmelon
J. E. Rice Seed Co., Cambridge, N. Y.	Beet, Tomato and Watermelon
W. H. Robinson, Cairo, Ga.	Collards
J. C. Robinson Seed Co., Waterloo, Neb.	Muskmelon and Squash
Waldo Rohnert, Gilroy, Calif.	Lettuce and Radish
Routzahn Seed Co., Arroyo Grande, Calif.	Radish and Flower
Sioux City Seed & Nur. Co., Sioux City, Iowa	Corn and Flower
Sluis Seed Store, Chicago, Ill.	Flower
Terra, Aschersleben, Germany	Flower
S. S. Thacker, Rocky Ford, Colo.	Muskmelon
W. W. Tracy, Jr., Kendrick, Idaho	Beet, Parsnip, Turnip, Flower
J. Tripp, Nash, Okla.	Watermelon
H. Van Buskirk, Rocky Ford, Colo.	Muskmelon
Vaughan's Seed Store, Chicago, Ill.	Beans
Vilmorin-Andrieux Co., Paris, France	Flower
S. D. Woodruff & Sons, Orange, Conn.	Beet, Corn and Peas

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High Grade
SEED
Palo Alto,
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Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited

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CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Let-
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Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

J. W. EDMUNDSON, Manager

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California Seed Growers Association, Inc.

Growers for Wholesale Dealers
SAN JOSE, CALIFORNIA

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Peas and Beans

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Seed Merchants to His Majesty the King of Italy
SAN GIOVANNI A TEDUCCIO, near Naples
Established 1877.

Headquarters for **CAULIFLOWER** and **WHITE TRIPOLI ONION SEED**, (Crystal Wax), and all other **VEGETABLE** and **FLOWER SEEDS**
THE LARGEST GROWERS IN ITALY.
Ask for Catalogue and Special Offers.

R. & M. GODINEAU,
SEED GROWERS,**Angers - France.**

Specialties: Beets, Mangoes, Carrots, Cabbages, Celeries, Parsleys, Parsnips, Turnips.

Growing Crops Given Personal Attention.

ROSES, CARNATIONS,
PLANTS, SEED, BULBS.

Send us your wants. We will take care of them. We supply stock at market price. Catalogue for the asking.

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Oklahoma Seed Growers Co.

1912 surplus list of
WATERMELON AND MUSKMELON SEED.
ENID, OKLAHOMA.

WATERMELON SEED

1913 Contracts for the Trade.

Grown under rigid inspection, isolated and carefully selected.

HUGH M. TAYLOR, Trade Grower.
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MANN'S**Lily of the Valley**

are the finest in existence and their flowers bring the best prices on the London market. For quotations please apply to

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TOMATO SEED

Best Stocks. All Varieties.

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Growers for the Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

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SEEDS

OF ALL KIND APPLY TO
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PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.



ROCKY FORD MUSKMELON
grown under irrigation by

WESTERN SEED & IRRIGATION CO.

Seed Growers and Dealers. Specialties: Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

FREMONT**NEBRASKA****BEANS, PEAS, RADISH**
and all Garden Seeds**LEONARD SEED CO.**
226-230 W. KINZIE STREET, CHICAGO**ONION SETS**

GROWERS FOR THE TRADE
Write for Prices.

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RATEKIN'S SEED CORN

OLDEST ESTABLISHED AND LARGEST WHOLESALE AND CONTRACT SEED CORN GROWERS IN THE UNITED STATES: Have made this our specialty for over thirty years. We grow all the leading standard, best varieties of field Dent, Flint, and Sweet sugar corn, for the Wholesale Trade. Write or wire us for prices and quotations for immediate or future shipments, also for contract growing prices for 1914 delivery; stating probable quantities of different varieties, etc., etc.

RATEKIN'S SEED HOUSE, Shenandoah, Iowa

LAWN GRASS SEED

WHOLESALE ONLY

J. OLIVER JOHNSON

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Onion Seeds--Onion Sets

We are also submitting contract figures for the 1913 crop of Onion Seed.

We are Extensive Growers and Dealers
Write for prices on the 1912 crop.

SCHILDER BROS., Chillicothe, O.**JAPAN CLOVER SEED**

Booking orders for January shipment.
Prices on application.

Contract with us for **Genuine Bermuda Onion Seed**, delivery next fall, grown by T. M. Reid, Port Orotova, Teneriffe.

CHRIS. REUTER, New Orleans, La.

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—CHOICE—

German Flower Seeds

Catalogue Free on Application.

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☞ Aster Book now ready.
Indispensable for commercial growers. Send for copy today.

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(A GARDEN MANUAL)

FREE

160 pages full of valuable information, with **350 illustrations**. This manual tells you what to plant, when and how to plant it. Write for it now.

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SPIRAEA

Strong Clumps, with Plump Eyes

Per doz. 100

Floribunda.....\$1.00 \$7.00

Gladstone..... 1.25 9.00

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Importer and Shipper of

**All Sorts of Palm Leaves,
Ferns and Mosses.**

For Sale: TOMATO, EGG
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PLANTS, for

MARCH OR MAY SHIPMENT.

Special Prices for 100 or 1000.

Benj. F. Castner,

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Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

"Superb Quality" FLOWER

"Seeds for Florists"

"SUPERB QUALITY."

The "Very Best" in everything that we offer. Write for our "trade list" No. 5.
We have reserved one for you. Do not fail to get it. It describes everything for the Florist.

Ageratum—Dwarf Blue, $\frac{1}{4}$ oz. 15c. Mexican Blue, White, each, $\frac{1}{4}$ oz. 10c.

Alyssum—Little Gem, Dwarf white, $\frac{1}{2}$ oz. 20c. oz. 30c. Sweet, White, oz. 15c, $\frac{1}{4}$ lb. 40c.

Antirrhinum (Snap Dragon), Giant—Pink, Scarlet, each..... $\frac{1}{4}$ oz. .15
White, Yellow, each..... $\frac{1}{4}$ oz. .15
Mixed..... $\frac{1}{4}$ oz. 15c, 1 oz. .40

Asparagus Sprengeri—100 seeds for 20c; 1000 for 90c.

Asparagus Plumosus Nanus—100 seeds for 55c; 1000 for \$4.00.

ASTERS.

We assert that no one can have a superior stock of the various asters. See catalog No. 2 for description of novelties.

Aster, Lady Roosevelt—A splendid new variety. Trade pkt. 25c, $\frac{1}{8}$ oz. 60c.

Crego Asters—Magnificent late cutting Asters, Rose, Lavender and White. Trade pkt. 30c, $\frac{1}{8}$ oz. 40c.

Rose King—Enormous quilled flowers fine for cutting. Trade pkt. 35c, $\frac{1}{8}$ oz. 40c.

Violet King—Identical with the above, except in color, which is a pure violet. Trade pkt. 25c, $\frac{1}{8}$ oz. 40c.

Royal Stripe—Large double flowers, striped blue and white, with long stems, fine for cutting. Trade pkt. 25c, $\frac{1}{8}$ oz. 75c.

Vick's Mikado—A large graceful flower for cutting. Pink, White and Rose. Trade pkt. 35c, $\frac{1}{8}$ oz. 45c.

Lavender Gem—A splendid early pure lavender, no yellow centers, very popular with florists. Trade pkt. 35c, $\frac{1}{8}$ oz. 50c.

Snowdrift—A fine early long stemmed, pure white. Trade pkt. 35c, $\frac{1}{8}$ oz. 50c.

Giant Comet—Mixed, $\frac{1}{4}$ oz. 35c, oz. 1.25

Daybreak—A fine pink flower for cutting..... $\frac{1}{8}$ oz. .30

Purity—White flowers similar to above..... $\frac{1}{8}$ oz. .30

Queen of the Market—Dark Blue, Crimson.....each $\frac{1}{8}$ oz. 15c, $\frac{1}{2}$ oz. .40

Light Blue, Pink..... $\frac{1}{8}$ oz. 15c, $\frac{1}{2}$ oz. .40

Snowdrift, pure white, $\frac{1}{8}$ oz. 15c, $\frac{1}{2}$ oz. .40

Mixed..... $\frac{1}{8}$ oz. 10c, $\frac{1}{2}$ oz. .30

Branching—Late—Flowers large double on long stiff stems, excellent for cutting. White, Flesh, Pink.....each $\frac{1}{8}$ oz. 15c, $\frac{1}{2}$ oz. .50

Lavender..... $\frac{1}{8}$ oz. 15c, $\frac{1}{2}$ oz. .50

Pink, Purple.....each $\frac{1}{8}$ oz. 15c, $\frac{1}{2}$ oz. .50

Dark Red..... $\frac{1}{8}$ oz. 15c, $\frac{1}{2}$ oz. .50

Mixed..... $\frac{1}{8}$ oz. 20c, 1 oz. .75

Balsam—Camellia flowered, double mixed.....oz. .40

BEGONIA SEED (all varieties).

Gracilis Luminosa, Ruby, Prima Donna, Triumph, Erfordia, Erfordia

Superba, All uniform. Trade pkt. .25

This
Trade Mark  Stands for

59 Years of Satisfactory Service and a mark of true

Candytuft —Empress, very large, pure white.....oz. .20	
White Rocket.....oz. .15	
Little Prince, dwarf, large flowered white.....oz. .25	
Celosia —Glasgow Prize, Dwarf, Crimson.....oz. \$0.20	
All-a-Glow, Dwarf, Scarlet.....oz. .20	
Empress, Semi-Dwarf.....oz. .20	
Ostrich Feather, Mixed, Tall.....oz. .10	
Ostrich Feather, Mixed, Dwarf.....oz. .20	
Centaurea —Gymnocarpa.....oz. .20	
Imperialis, Mixed, fine for cutting.....oz. .10	
Margaret White, fine for cutting.....oz. .15	
Cineraria Maritima , trade pkt. 10c, oz. .25	
Cobea Scandens , Purple.....oz. .30	
Coleus Finest Hybrids —Mixed, trade pkt.....oz. .50	
Dracaena Indivisa , trade pkt. 10c, oz. .45	
Grevillea Robusta oz. .50	
Ipomea Grandiflora (Moonflower).....oz. .40	
Ipomea Heavenly Blue oz. .50	
Ipomea Setosa oz. .20	
Lobelia , Erinus Speciosa, deep blue, trailing variety.....oz. .20	
Crystal Palace Compacta, best for bedding.....oz. .20	
Mignonette , Machel.....oz. .25	
Grandiflora , large flowering.....oz. 10c, $\frac{1}{4}$ lb. .15	
Allen's Defiance.....oz. .40	
Petunia , Double Giant Flowered Grandiflora and Fringed Mixed.....1000 seeds 1.25	
Giant Ruffled, trade pkt.....1.00	
Single large flowered, Fringed, trade pkt......50	
Giants of California.....trade pkt. 1.00	
Rosy Morn, Rosy pink, white throat..... $\frac{1}{8}$ oz. .40	
Single Striped and Blotched..... $\frac{1}{4}$ oz. .25	
Single Mixed..... $\frac{1}{4}$ oz. .15	
Howard's Star..... $\frac{1}{4}$ oz. .40	
Salvia , Splendens, trade pkt. 25c, oz. 1.00	
Clara Bedman.....trade pkt. 40c, $\frac{1}{4}$ oz. .60	
Zurich.....trade pkt. \$1.00, $\frac{1}{4}$ oz. 2.00	
Smilax oz. 30c, $\frac{1}{4}$ lb. 1.00	
Stocks , Dwarf Large Flowering Double Ten Weeks, Mixed.....oz. .25	
Brompton.....oz. .35	
Giant Perfection Ten Weeks, Mixed.....oz. .30	
Princess Alice, White.....oz. .35	
Snowflake, for forcing.....1-16 oz. .75	
Ten Weeks (separate colors).....oz. .35	
Thunbergia oz. .40	
Torenia Fournieri , trade pkt. 15c, $\frac{1}{4}$ oz. .50	
Torenia Bailonni , trade pkt. 25c, $\frac{1}{8}$ oz. .50	
Verbena , (Mammoth Flowered) Blue and Purple Shades.....oz. 1.00	
.....oz. 35c, oz. 1.00	
Pink.....oz. 35c, oz. 1.00	
Scarlet.....oz. 40c, oz. 1.00	
White.....oz. 35c, oz. 1.00	
Striped.....oz. 35c, oz. 1.00	
Mixed.....oz. 30c, oz. .75	

The above is only a partial list of "Superb Quality" seeds selected for Florists. See our various catalogs for descriptions.

THE STORRS & HARRISON CO., PAINESVILLE, OHIO

THE C. HERBERT COY SEED CO.
VALLEY, Douglas County, Neb.

Contract Growers of
High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

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Dealers in Garden, Field and Flower Seeds
Specialties, Potatoes, Onion Sets, Garden and
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Catalogue Free. ORANGE, CONN.

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My new Seed Catalogue is a wonder. Contains everything in seeds, bulbs, small fruits and plants worth growing. 600 illustrations; 176 pages. Any gardener sending his name on a postal card can have it for the asking. Send for it today. Address

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1707-09-11 Filbert St., Philadelphia, Pa.

Send 5 cents (stamps) mention this paper, I will enclose in the catalogue a packet of the above GIANT pansy.

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Begonias

We have on hand a considerable quantity of Begonias, of the best quality. We will be pleased to quote prices on application that we are sure will interest you.

Our quality is standard—the highest.

Gloxinias

If you need any Gloxinias, Red, White, Blue, Spotted or Mixed, drop us a postal for quotation.

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33 Barclay St., New York City.

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Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

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SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.

Correspondence Solicited.

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It is our desire to have every pound of Seed sent out under this trade-mark in time become a growing advertisement of the integrity of this Company.

Braslan Seed Growers Company, Inc.

Wholesale Seed Growers

SAN JOSE, - - - - - CALIFORNIA

Mention the American Florist when writing

Tuberous Rooted Begonias



	Doz.	100	1000
Single sorts—white, scarlet, yellow, pink			
.....	\$.40	\$2.50	\$22.00
Single sorts—mixed	.35	2.25	20.00
Double " — white, scarlet, yellow, pink			
.....	\$.65	\$4.50	\$40.00
Double sorts—mixed	.60	4.00	37.50

Gloxinias

Grassifolia Grandiflora

All the spotted and Tigered variations in sound bulbs.

	Doz.	100	1000
Separate colors.....	\$.60	\$3.50	\$30.00
Choice mixture.....	.50	3.20	28.00

Spiraea Clumps	Per 100
Gladstone.....	\$ 8.00
Floribunda.....	6.00
Japonica.....	5.00

Lily Bulbs

	Per 100
Album, 8 9 inch.....	\$ 9.00
Album, 9 11 inch.....	12.50
Auratum, 8 9 inch.....	6.00
Auratum, 9 11 inch.....	10.00
Rubrum, 8 9 inch.....	6.00
Rubrum, 9 11 inch.....	9.00

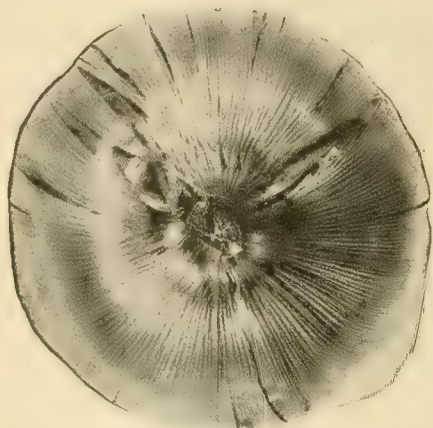
Write for Florists' Catalog.

Vaughan's Seed Store,

CHICAGO and NEW YORK

The Early Advertisement Gets There

We are Growers of GLADIOLUS BULBS



MRS. FRANCIS KING.

Besides the following standard kinds, most of which we can offer in two sizes (both flowering), we carry nearly all standard kinds and many fancy imported novelties secured by our Mr. Carl Cropp in Europe: Per 1000

Mrs. Francis King, First Size.....	\$20.00
“ “ “ Medium Size	15.00
Augusta, First Size	16.00
“ “ Medium Size.....	13.00
America, First Size.....	25.00
“ “ Medium Size	22.00
Kunderdi Glory, First Size	48.00
Chicago White, the one best early.....	70.00

Florists, Seedsmen and amateurs who are interested in **Gladiolus**, either for counter trade, for outdoor planting, or for the home garden, should correspond with us and secure our lists and prices **before placing orders** for this stock.

Of several leading kinds we can supply planting stock, white bulbs under one inch and small black bulblets by the bushel.

1913 Prices on All Leading Kinds Are Ready.

Special Lists of Novelties can be made up on request.

VAUGHAN'S SEED STORE

NEW YORK
CHICAGO

“WRETCHED ROSE WEATHER.”

The Killarney's bleached almost white; American Beauty, struck with black spot; Maryland gone to sleep; Radiance resembling a brush heap with blind wood;—What is the profitable Rose to grow?

Again, we say—come and see “Mrs. Geo. Shawyer” growing. No going to sleep with this variety and the color holds as true as steel, beautiful Rose pink.

We are still in a position to quote “Shawyer” and “Milady,” at \$30.00 per 100; \$250.00 per 1000.

CARNATIONS.

Northport: The leader in the dark pink section. **Commodore:** The freest blooming scarlet we have.

Enchantress Supreme and **Salmon Beauty:** Two fine sports from Enchantress.

\$12.00 per hundred; \$100.00 per thousand.

CHAS. H. TOTTY, MADISON, N. J.

Pansy Plants.

	Per 100
Giant Flowering, small plants..	\$2.50 per 1000 .50
Asparagus Plumosus, 2 inch pots.....	\$2.00
Geranium S. A. Nutt and four other varieties,	
\$25.00 per 1000.....	3.00
Geranium, Mad. Buchner, all 2½ inch pots.	2.00
Obconica Primroses, 2¼ inch pots, \$12.00	
per 1000.....	1.50
Alternanthera rooted cuttings red & yellow	.50
Coleus, 10 varieties April 1st., 2¼ inch pots.	2.00
CASH OR C. O. D.	

JOSEPH H. CUNNINGHAM, Delaware, Ohio

Mention the American Florist when writing

Enchantress Supreme

THE Best Sport from Enchantress up-to-date, possessing all the vigor and freedom that distinguishes its parent.

Color a light salmon pink—a color that is not only very attractive, but also one that endures full exposure to the sun without bleaching.

A good all around Carnation that retains its color at all seasons.

Calyx is longer and narrower than that of the parent variety, and distinct from the latter. Has shown no inclination to be a burster.

The weak points of Enchantress seem to have been lost in this Sport, and a trial of four years duration convinces us of its great value.

PRICES: Twelve Rooted Cuttings....	\$3.00	One Hundred rooted cuttings....	\$ 12.00
Twenty-five rooted cuttings, 5.00		One Thousand rooted cuttings..	100.00
Fifty rooted cuttings.....	7.00	Order quick for February deliveries.	

DAILLEDOUZE BROS.,

Lenox Road and Troy Ave.,
BROOKLYN, N. Y.

Mention the American Florist when writing

Special 1913 Wholesale Price List

Of Palms, Ferns, Bay Trees, Boxwoods, Etc.

The stock listed below is all of exceptionally fine quality and good value at the prices quoted. We take special care in filling long distance orders and have a justly earned reputation for shipping plants successfully to all parts of the United States, Canada and Mexico. Better make up your order from this list now and let us have it today.

Araucaria Excelsa—	Each	Doz.	Per 100
4-in. 2 3 tiers.....	\$.50	\$ 6.00	
6-in. 4 5 tiers.....	1.00	12.00	
7-in. 4 5 tiers.....	1.50	18.00	

Areca Lutescens—	Each	Doz.	Per 100
3-in. 3 plts in a pot..	2.00	\$15.00	
4-in. 3 plts in a pot..	3.00	25.00	
6-in.	1.50		

Asparagus Plumosus—	Each	Doz.	Per 100
2-in.		3.00	
3-in.		6.00	
4-in.	1.50		

Asparagus Sprengeri—	Each	Doz.	Per 100
3-in.		5.00	

Aspidistra—	Each	Doz.	Per 100
Green, 4-in. dwarf. .25			

Aspidistra variegated.....	per leaf	\$0.15	
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Aucuba Japonica, 2-ft.....	Each	.75	
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Aucuba Type, 2-ft.....	Each	1.00	
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Aucuba, large.....	Each	3.00	
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BAY TREES.			
Standard, 1 ft. stem, 18 in. head.....	Per pair	\$ 6.00	
" 2 ft. stem, 2 ft. head.....		12.00	
" 2 ft. stem, 18 in. head.....		8.00	
" 2 ft. stem, 2 ft. head.....		10.00	
" 3 ft. stem, 20-22 in. head.....		10.00	
" 3 ft. stem, 26 in. head.....		12.00	
" 4 ft. stem 4 ft. head.....		40.00	
Pyramids, 6 ft. high.....		18.00	
" 5 ft. high.....		12.00	
" 7 ft. high.....		30.00	
" 9 ft. high.....		40.00	
Mission Tubs, up to 12 in., at \$1.00 extra.			

BOSTON FERNS.			
2-in.	Each	Doz.	Per 100
4-in.		\$1.50	\$3.00
5-in.		.25	3.00
6-in.		.50	6.00
7-in.		.75	9.00
8-in.		1.00	12.00
9-in.		1.50	18.00
Larger ones at \$2.00, \$2.50 and up each.			

BOXWOODS.			
Bushes, 8 in.....	Each	\$.25	
" 12 in.....		.30	
" 18 in.....		.50	
" 2 1/2 ft.....		1.25	
" 3 ft.....		1.75	
Globes, 12 1/2 in.....	Each	2.00	
" 2 1/2 ft.....		6.00	
Obelisks, 6-7 ft.....	Each	12.00	
Pyramids, 2 1/2 ft., for Spring delivery.....	Each	.75	
" 3 ft.....		1.20	
" 3 1/2 ft.....		2.00	
" 4 ft.....		3.00	
" 5 ft.....		4.20	
" 6 ft.....		6.00	
" 7 ft.....		7.50	
Cocos Weddelliana, 2 in.....	Doz.	\$1.75	\$14.00
Cycas Revoluta, from 4 in. to 7 in. at 50c, 75c, \$1.00, \$1.25, \$1.50 and \$2.00 each.			

Dracena Fragrans, 3 in.....	Doz.	\$1.50	
4-in.	Doz.	3.00	
5-6 in.	Each.	.75	

Dracena Indivisa—	Per 100		
2-in.	\$ 3.00		
3-in.	5.00		
4-in.	10.00		
5-in.	20.00		

Ferns, asstd. varieties for dishes in 2-in. pots.....	Each	3.00	
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Ferns, asstd. varieties for dishes in 3-in. pots.....	Doz.	.75	6.00
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Ficus Elastica, 4 in.....	Each.	.35	
6-in.		.50	

Ficus Pandurata, 6-in., 7-in. and 8-in. at \$1.50, \$2.50 and \$3.50 each.			
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Ficus Repens, climbing, 2 1/2 in.....	Each.	\$.50	
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PHOENIX ROEBELENI			
2 1/2 in.....	Each	Doz.	Per 100
3-in.		\$2.00	\$15.00
4-in.	.50	6.00	
6-in.		12.00	
6-in. strong.....		18.00	
7-in.	\$2.50 & \$3.00		
Specimens, 7 in. extra strong.....	4.00 each.		
" 8 in. extra strong.....	5.00 each.		

KENTIA BELMOREANA					
Size	Leaves	Ht.	Each	Doz.	Per 100
2-in.	4	8 in.		\$1.50	\$12.00
3-in.	4 5	8 10 in.		2.00	15.00
4-in.	4 5	12 in.		3.60	30.00
4-in. strong.....	4 5	12-15 in.		4.50	35.00
5-in.	5 6	15 18 in.		6.00	50.00
5-in. strong.....	5 6	18-20 in.	\$.75	9.00	
6-in.	6 7	20-22 in.	1.00	12.00	
6-in. strong.....	6 7	22-24 in.	1.50	18.00	
7-in.	6 7	26-28 in.	2.00	24.00	
7-in. strong.....	6 7	28-30 in.	2.50	30.00	
8-in.	7 8	40-45 in.	5.50		
9-in.	7 8	48-50 in.	8.00		
9-in. strong.....	7 8	50-54 in.	10.00		
Made up 7 leaves, 3 in a pot, 28-30 in. high.....			2.50		



KENTIA FORSTERIANA.					
Size	Leaves	Ht.	Each	Doz.	Per 100
2-in.	4	8-10 in.		\$1.50	\$12.00
3-in.	4 5	12 14 in.		2.00	15.00
4-in.	4 5	14-16 in.		4.50	35.00
5-in.	5 6	16 18 in.		6.00	50.00
5-in. strong.....	5 6	20-24 in.	\$.75	9.00	
7-in.	5 6	36-38 in.	2.50		
7-in. strong.....	5 6	36-40 in.	3.00		
8-in.	5 6	40-44 in.	5.00		
8-in. strong.....	5 6	46-50 in.	7.00		
9-in.	6 7	60 in.	8.00		
Specimens, 6 ft. high.....			9.00		
Specimens, 7 ft. 6 in. high.....			15.00		

Made Up.			
Size	Leaves	Ht.	Each
6-in., 3 in a pot, 18-22 in. high.....			\$ 1.00 and \$1.50
7-in., 3 4 in a pot, 24 30 in. high.....			2.50
8-in., 3 4 in a pot, 40-45 in. high.....			6.00
9-in., 3 5 in a pot, 50-54 in. high.....			8.00
10-in., 4 5 in a pot, 58-60 in. high.....			10.00
12-in., 4 5 in a pot, 62-70 in. high.....			15.00
Specimens, 6 1/2 ft. high, 4 in a tub.....			Each, \$18.00
Specimens, 7 1/2 ft. high, 4 in a tub.....			Each, 25.00
Latania Borbonica, 5 in.....			Each, 5.00
6 in.....			Each, 9.00
7 in.....			Each, 12.00

PANDANUS VEITCHII.			
Size	Each	Doz.	Per 100
3-in.	\$.35	\$ 4.20	
4-in.	.50	5.50	
5-in.	.75	9.00	
6-in.	1.00	12.00	
Extra strong plants, \$1.50, \$2.00 and \$3.00 each.			

PHOENIX CANARIENSIS			
Size	Each	Doz.	Per 100
2 ft. 8 in. high.....		\$ 1.50	
8 ft., 46-50 in. high.....		4.00	
9 ft., 50-54 in. high.....		8.00	
10 ft., 60-64 in. high.....		10.00	

PHOENIX RECLINATA			
Size	Each	Doz.	Per 100
4 ft.		\$3.00	\$20.00
5 ft.		5.00	40.00
6 ft.	.75	9.00	
7 ft., 24 in. high; 3 in a pot 1.50			

MISCELLANEOUS BEDDING PLANTS, Etc.

Alternanthera Brillantissima, red.....	Per 1000	
rooted cuttings.....	\$7.00	
Alternanthera Paronychioides Major.....	Per 1000	
rooted cuttings.....	7.00	
Althneranthera Aurea Nana.....	Per 1000	
rooted cuttings.....	7.00	
Alternanthera Amoena, rooted cuttings.....	Per 1000	
The above varieties in 2-in. pots at.....	18.00	
Ampelopsis Veitchii, selected stock.....	Doz.	
4 and 5 in. at.....	\$2.00	
Clematis Jackmanii, extra strong.....	Per 1000	
in 5 in. pots, at.....	35c each. 4.00	
Coleus—	Per 100	
Golden Bedder, 2-in. pots.....	\$2.50	
Verschaffelti, 2-in. pots.....	2.50	
Beckwith's Gem, 2-in. pots.....	2.50	
Pfister, red and yellow, 2 in.....	2.00	
Cyclamen Persicum—	Each	Per 100
4-in.	20c & 25c	\$20 & \$25
5-in.	35c	
6 in.....	50c	

DAHLIA ROOTS.			
Undivided clumps from the field \$12.00 per hundred for named varieties			
Mixed varieties.....	\$8.00 per 100		

List of the Named Varieties:			
A. D. Livoni, shell pink			
A. E. Trumbull, brick red			
American Flag, pure white, striped crimson			
Ami Barillet, rich pure garnet with fine dark foliage			
Baron de Grancey, pure white			
Bartels, salmon with pink			
Black Beauty, very dark red			
Camellia Alba, pure white			
Deer's White			
Dr. Balan, brick red			
Evadue, soft rich yellow			
Fernleaved Beauty			
Frank Barrett			
Geo. Buller			
Lancelot, orange yellow			
Little Herman, deep red, tipped white			
Loveline, pale yellow			
L. Funch, dark red, yellow center			
Maid of Kent, pink			
Mrs. Geo. Reid, white			
Nymphaea, light pink			
Perle, lavender			
Picotee, deep lavender			
President, white, tipped lavender			
Prof. Baldwin, cactus, cherry red			
Progenitor, clear crimson			
Rosalie, lemon yellow			
Sunnydale			
Sylvia, pink mauve, whitish center			
Thatcher, lemon yellow			
Salvias—	Per 100		
Bonfire 2-in.....	\$ 2.50		
Zurick 2-in.....	2.50		
Splendens 2-in.....	2.50		
Small Fines for Window Boxes.....	at 25c and 35c each		
Spiraeas	Each		
For Easter Blooming.....			
Gladstone 6-in.....	\$.50		
Gladstone 7 1/2 in.....	.75		
Queen Alexandra and Peach Blossom.....	.50		
5-in.			
Queen Alexandra and Peach Blossom.....	.75		
6-in.			
Queen Alexandra and Peach Blossom.....	1.00		
7-in.			
Tritoma Varia grandis.....	Doz.	Per 100	
Hora, field grown clumps.....	6.00		
Vincas, 2-in. pots at.....	3.00		
" 4-in. pots at.....	1.75	15.00	
FOR JUNE DELIVERY			
Begonia	Per 100		
Lorraine, 2 1/2 in. pots.....	12.00		
" Lorraine, 3-in.....	20.00		
" Glory of Cincinnati, 2 1/2 in.....	15.00		
" Glory of Cincinnati, 3-in.....	25.00		

THE GEO. WITTBOLD CO.,

737 Buckingham Place,

L. D. PHONE,
GRACELAND 1112.

CHICAGO, ILL.

JOSEPH HEACOCK COMPANY'S PALMS & FERNS

Home-Grown, Well Established, Strong and Healthy.

Kentia Belmoreana.					Cedar tub					Phoenix Roebelenii.				
Pot	Leaves	In. high.	Each	Doz.		Plants	In. high	Each	Doz.	Pot		Each		
2½-in.	4	8 to 10		\$ 1 50	9-in.	6 to 7	42 to 48	5 00		5-in.,	nicely characterized	\$1 00		
3-in.	5	12		2 00	9-in.	6 to 7	48 to 54	6 00		6-in.,	18 to 20-in. spread	1 50		
4-in.	5	15	\$ 0 35	4 00	9-in.	6 to 7	5 ft.	8 00		Cedar tub	High	Spread	Each	
5-in.	6 to 7	18		50 6 00			6 to 7 ft.	10 00		7-in.	18-in.	24-in.	\$2 00	
6-in.	6 to 7	24	1 00	12 00	Kentia Forsteriana—Made up.					Cibotium Schiedei.				
6-in.	6 to 7	26 in. high.	1 25	15 00	tub	Plants	In. high	Each	Doz.	Cedar	Spread	Each		
6-in.	6 to 7	28 to 30	1 50	18 00	7-in.	4	30	2 00	24 00	7-in.	2 to 2½ feet	\$2 00		
Cedar					9-in.	4	42 to 48	5 00	60 00	9-in.	4 feet	4 00		
tub	Leaves	In. high.	Each	Doz.	9-in.	4	48 to 54	6 00		9-in.	5 feet	5 00		
7-in.	6 to 7	34 to 36	2 50	30 00	12-in.	4	5 ft.	7 50		12-in.	6 to 8 feet	8 00		
9-in.	6 to 7	40 to 45	4 00	48 00			5½ to 6½ ft.	15 00						

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia be sure to look us up.

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch 9-inch and 12 inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station, Jenkintown.

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PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School

Dept. A. F., Springfield, Mass.

Forcing Spiraea Clumps, Gladiolus, Etc.

	Per 100		Per 100
Spiraea Gladstone	\$5.50	Spiraea Superba	\$ 4.00
Spiraea Florabunda	4.00	Spiraea Queen Alexandra	7.00

GLADIOLUS FORCING STOCK.

America. First Size	3.00 per 100,	25.00 per 1000
Medium Size	2.50 per 100,	20.00 per 1000
Mrs. Francis King	2.00 per 100,	18.00 per 1000

The Storrs & Harrison Co.,
Painesville, Ohio.

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VERBENAS



Finest in the land, best mammoth varieties, true to name. Seedlings are disappointing, get the true stock, at 70c per 100, \$6.00 per 1000; Mrs. F. Sander, \$1.25 per 100, \$10.00 per 1000. **Coleus**, finest named varieties, a grand collection, at 70c per 100, \$6.00 per 1000. **Pansies**, Roemer's Prize Winners (Germany), large, fine plants, 50c per 100, \$4.00 per 1000. **Daisies**, California and Queen Alexandra, \$1.00 per 100, \$8.00 per 1000. **Ageratums**, 60c per 100, \$5.00 per 1000. **Alternantheras**, three varieties, very strong, 60c per 100, \$5.00 per 1000. **Feverfew**, "Little Gem" (True), \$1.25 per 100, \$10.00 per 1000. **Salvias**, Bonfire and St. Louis, \$1.00 per 100, \$8.00 per 1000. We prepay express.

C. HUMFELD,

The Rooted Cutting Specialist, Clay Center, Kan.

MISCELLANEOUS PLANTS

For immediate or future shipment from 2-in pots.

	100	1000
Hardy English Ivy	\$2.00	\$18.50
Lantana, fifteen varieties	2.00	18.50
Lemon Verbena, Aloysia Citridora	2.00	18.50
Moonvine, white and blue	2.00	18.50
Petunia, double mixed colors	2.00	18.50
Salvia, Bonfire and Zurich	2.00	18.50
Parlor Ivy	2.00	18.50
Swainsona, Alba and Rosea	2.00	18.50

R. Vincent Jr. & Sons Co., White Marsh, Md.

Primula Obconica, strong plants, in bud and bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengeri, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000. 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Carnation Rooted Cuttings.

Now Ready

Enchantress, Rose Pink Enchantress, May Day, Mrs. C. W. Ward, Pink Delight, Western White Enchantress, White Enchantress, White Wonder, Lady Bountiful, Queen Louise, White Perfection, O. P. Bassett, Beacon.

Prices \$3.00 per 100; \$5 per 1000

Place your order for

OWN-ROOT and GRAFTED ROSES, NOW.

J. L. DILLON, - Bloomsburg, Pa.

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Verbenas

OUR SELECTION.

Cuttings, 75c per 100; \$6.25 per 1000. Plants, 2¼-in., \$2.75 per 100; \$22.00 per 1000.

PURCHASER'S SELECTION.

Cuttings, 90c per 100; \$8.25 per 1000. Plants, 2¼-in., \$3.25 per 100; \$28.00 per 1000.

New American Beauty GERANIUM

We take great pleasure in introducing to our many customers for 1913 our New American Beauty Geranium for the first time. After working on it for nearly three years, we are offering it for sale.

Our Claim for American Beauty Geranium is that it surpasses all other Geraniums in its real American Beauty color. The individual blooms measure 2¼ inches across. It is semi-double, medium dwarf, of stately shape. It has come to stay as a money maker. Prices to the trade, 2½-in. pots, 50c each; \$5.00 per doz. 3-in. pots, \$1.00 each; \$10.00 per doz. cash. Write for circulars in natural colors and prices on large lots.

If you want us to ship by Parcel Post inclose stamps.

JOHN BAUSCHER, Arcade Addition Freeport, Ill.

ROOTED CARNATION CUTTINGS

Ready for Immediate Delivery.

Renew your stock with strong, healthy cuttings; propagated from the best clean plants. **All Stem Cuttings**

	100	1000		100	1000
25,000 Enchantress	\$3.00	\$25.00	10,000 Scarlet Glow.....	\$3.00	\$25.00
25,000 White Enchantress	3.00	25.00	10,000 Washington.....	3.00	25.00
20,000 Victory	3.00	25.00	5,000 Rose Pink Enchantress.....	3.00	25.00
15,000 Beacon	3.00	25.00	5,000 May Day, deep flesh	3.00	25.00

Very low price on large lots. Send us your list for quotations.

Ready March 1st.

	100	1000		100	1000
The Herald, new scarlet.....	\$12.00	\$100.00	Benora, Variegated.....	\$6.00	\$50.00
Gloriosa, Medium pink	4.00	35.00	White Wonder	3.00	25.00

All conservative carnation growers are placing their orders now for future delivery. **Do Not Wait.**

CHICAGO CARNATION COMPANY.

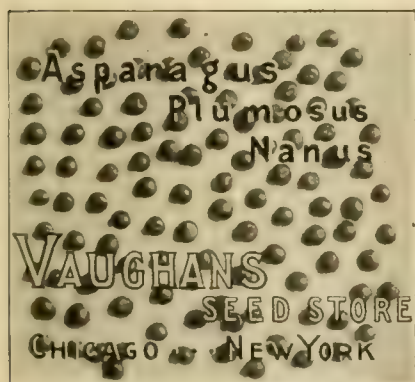
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CHICAGO, ILL.



New Crop
Northern
Greenhouse Grown (ready)
It has Vitality. Not Frost-bitten.



For Valentine Day

Blooming Stock Full of Flowers

	2 1/2 inch	3 inch	4 inch	5 inch
Chinese Primroses...			\$10.00	\$20.00
Obconica.....		\$5.00	10.00	
Cyclamen.....		8.00	15.00	
Luminosa Begonias.....	\$3.50	8.00	12.50	20.00
Cinerarias.....	3.50	7.50	10.00	20.00

4 and 5 inch will be in bloom.

Azaleas at \$1.00, \$1.25, \$1.50 each.

GEO. A. KUHL

Wholesale Grower

PERIN, - - - ILL.

PALMS.

	Each.
Kentia Forsteriana, 4-in. pots, 12 to 15-in.	25c
Kentia Belmoreana, 4-in. pots, 12 to 15-in.	25c
Areca Lutescens, 3-in. pots, 8 to 12-in.	10c
Latania Borbonica, 4-in. pots, 12 to 15-in.	15c

ROSES OUR SPECIALTY.

Write for 1913 Catalogue.

THE DINGEE & CONARD CO.,
WEST GROVE, PA.

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Fine Decorative Plants

Make up your order now from this list and let us have it as early as possible.

PRICE LIST.

Kentia Belmoreana. Per doz.

4-in. pot, 12 to 15 in. high, 6 leaves.....	\$4.50
Each.....	
6-in. pot, 24 in. high, 6 to 7 leaves.....	1.25
6-in. pot, 28 to 30 in. high, 6 to 7 leaves.....	1.50
7-in. pot, 36 in. high, 6 to 7 leaves.....	2.50
8-in. pot, 36 to 38 in. high, 6 to 7 leaves.....	3.00
9 in. tub, 46 to 50 in. high, 6 to 7 leaves.....	\$5 to \$6
Specimens, 9 to 10 in. tubs.....	\$6.00 to \$15.00 each

Kentia Forsteriana.

4-in. pot, 15 to 18 in. high.....	Ea. 75c; doz., \$4.50
5-in. pot, 20 to 24 in. high.....	9.00
6-in. pot, 28 to 30 in. high, 6 leaves.....	Ea. 1.25
6-in. pot, 34 to 36 in. high, 6 leaves.....	1.50
7-in. pot, 38 to 40 in. high, 6 to 7 leaves.....	2.50
7-in. pot, 40 to 45 in. high, 6 to 7 leaves.....	3.00
8 in. pot, 48 to 50 in. high, 6 to 7 leaves.....	5.00

Specimens in from 8 to 12 in. tubs, from \$6.00 to \$15.00 each.

Made-up Kentia in Tubs.

6-in. tubs, 28 to 30 in. high, 3 plants.....	\$2.00
6-in. tubs, 32 to 34 in. high, 4 plants.....	3.00
8 in. tubs, 44 to 48 in. high, 4 to 5 plants.....	5.00
8 in. tubs, 48 to 52 in. high, 5 plants.....	6.00
10-in. tubs, 4 1/2 feet high, 5 plants.....	8.00
10-in. tubs, 4 1/2 to 5 feet high, 5 plants.....	10.00
10 in. tubs, 6 feet high, 5 plants.....	12.00

For larger specimens in tubs prices on application.

Areca Lutescens, 7 inches strong, \$2.00 each

Plants Ready For Immediate Sale.

Bostons, 6-in.....	\$0.50 each, \$ 6.00 per doz.
" 7-in.....	0.75 " 7.50
" 8-in.....	1.00 " 10.00
" 10-in.....	2.50 " "
" 12-in.....	3.50 " "

Bostons, strong 2 1/4-in.....\$3.50 per 100
Dracaena Massangeana.....\$1.25 to \$1.50 each
Dracaena Godseffiana, 3-in., 20c each, \$2.00 per dozen.

Phoenix Roebeleni, 3 in.....\$2.50 per doz.
4 in.....5.00

Pandanus Veitchii, highly colored:
" 5-in.....each, \$1.00
" 6-in.....1.50
" 7-in.....2.50

Rubber Plants, strong 6-in., 75c to \$1.00 each
Ficus Pandurata, 6-in., 2 1/2 to 3 feet high, extra strong plants, \$3.50 each; 7-in., 5 to 6 feet tall, \$4.50 to \$5.00 each.

Table Ferns, 10 varieties:
" 2 1/4-in., \$3.00 per 100; \$25.00 per 1000
" 3-in., strong, \$6.00 per 100; \$55.00 per 1000.

Azalea Indica, in bud and bloom: pink, red and white; fine plants at 75c to \$1.50 each.
Cyclamen in bloom, 5-in., 40c each; 6-in., 60c each.

Primroses in full bloom, 4-in.: \$2.00 per doz.; 5-in. \$3.00 per doz.

True Irish Shamrocks

Special for St. Patrick's Day, strong, 2 inch, \$3.00 per 100; \$25.00 per 1000.

Poehlmann Bros. Co.

Plant Department,

Morton Grove, Illinois

Budding Knife Free. See Page 78.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, January 27.—Mushrooms, 20 cents to 45 cents per pound; lettuce, 20 cents to 22½ cents, small cases; radishes, 45 cents to 50 cents per dozen bunches; pieplant, 35 cents to 50 cents per bunch; tomatoes, 18 cents to 20 cents per pound.

New York, January 25.—Cucumbers, \$1 to \$2 per doz., and \$3 to \$6 per box; mushrooms, 60 cents to \$1.75 per 4-pound basket; tomatoes, 10 cents to 30 cents per pound; radishes, \$2.50 to \$3.50 per 100 bunches; mint, 75 cents to \$1 per dozen bunches; rhubarb, 40 cents to 60 cents per dozen bunches; lettuce, 20 cents to 30 cents per dozen.

Prince Edward Island Vegetables.

The potato crop, [of Prince Edward Island] which for several years has been between 7,000,000 and 8,000,000 bushels, in 1911 was estimated at only 4,500,000 bushels. This was a partial recovery, however, from the year 1910, when the total was only 3,000,000 bushels. Furthermore, the 1910 price of 40 cents, double that prevailing previously, continued into 1911, so that the crop was computed to be worth \$1,800,000. Had there been adequate moisture the yield would have been up to the record. The potato shortage in the upper Provinces enabled the island potatoes to sell for high prices in Ontario and Quebec, an almost unprecedented situation.

The good crop in the United States, on the other hand, threw Maine potatoes into New Brunswick; and American tubers were sold at Pictou, just across the straits from Charlottetown. The average export of potatoes from the island has been estimated at 1,250,000 bushels by the authorities of the Provincial Department of Agriculture.

The root crop, aside from potatoes, was stated as 5,000,000 bushels in 1911, valued at \$750,000. Turnips had a rather poor year; but mangels and carrots did moderately well, the latter not suffering greatly from the drought. Peas and beans yielded well, together totaling 16,500 bushels, worth approximately \$25,500. Many peas are sown with oats and cut green as forage. Cabbages had a bad season.

Minneapolis, Minn.

STATE FLORISTS' ASSOCIATION.

The regular monthly meeting of the Minnesota State Florists' association was held Tuesday evening, January 21, at Holm & Olson's store, St. Paul. Theodore Wirth, vice-president of the S. A. F., was very active in arousing interest in the national society. Several life memberships were assured. The parcel post was the subject of discussion and proved very interesting. The next meeting will be held Tuesday evening, February 18, at R. A. Latham's conservatory, 83 South Tenth street, Minneapolis, at which meeting Stephen A. Jamieson, of the Geo. M. Garland Co., will deliver an illustrated talk on greenhouse building.

NOTES.

The second annual ball of the Minneapolis Florists' Club was given Tuesday evening, January 14, at the Masonic temple, and was a great success. Ninety-five couples were in the grand march, which was led by President and Mrs. Wm. Desmond. Dainty refreshments were served. The committee in charge deserve great credit for the excellent way in which the affair was handled.

The next regular meeting of the Minneapolis club will be held Tuesday evening, February 4, at Rice Bros.' store. S. A. Jamieson, of the Geo. M. Garland Co., has prepared an illustrated talk on greenhouse building which will be presented.

John Munson, of the Minneapolis Floral Co., figures that he will have 20,000 lilies ready for shipment ten days before Easter.

Wm. Desmond, of the L. S. Donaldson Co., spent several days of last week in Chicago on business.

Rice Bros. say that their January business exceeds any previous January in their history.

A. Currie, of Milwaukee, Wis., called on the Twin City trade during the past few days. S. A. J.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

Rooted Carnation Cuttings.

	Per 100	Per 1000
C. W. Ward	\$2 25	\$20 00
White Enchantress.....	2 25	20 00
Enchantress.....	2 25	20 00
Beacon.....	2 25	20 00

Cash with Order or References.

F. F. SCHEEL, Shermerville, Ill.

J. D. Thompson Carnation Co

Carnation Specialists

JOLIET,

ILL

SPECIALTIES

Roses, from 3-inch pots.
Carnations for fall delivery.

Chrysanthemums
Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers,

FISHKILL
New York

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman's Compacta (new), to take the place of
Whitman's. A better commercial fern; 2½ in.,
\$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

Mention the American Florist when writing

Ferns for Dishes

Best varieties, 2¼ in., \$3.50 per 100 \$30.00 per 1000.
500 at 1,000 rate. Cash with Order.

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We have

1,000,000 Grand Rapids and Tennis Ball Lettuce

COLD FRAME PLANTS

At \$1.00 per 1,000; 5,000 lots for 90 cts.
10,000 lots for 80 cts.

We grow a general line of vegetable plants for the trade only. Send for catalogue now ready.

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FRANK BRUNTON, Gen'l Manager.

R. F. D. No. 2. NORFOLK, VA.

GODFREY ASCHMANN,

1012 W. Ontario Street,
PHILADELPHIA, PA.

I HAVE TO OFFER YOU:

Araucaria Excelsa, Our Specialty, in fine condition, 5, 5½, 6-inch pots, 14 to 30 inches high. 40c, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50. **Azaleas**, in bloom now. Vervaneana and other colors, 75c, \$1.00, \$1.25 to \$1.50. For Easter blooming, assorted colors, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. **Kentia Forsteriana**, single, 25 to 50 inches high, 75c, \$1.00, \$1.50, \$2.00, \$2.50; made-up of 4, center plant 50 inches, 3 smaller around, \$2.50, \$3.00 and \$4.00. **Belmoreana**, 6-inch, 50c to 75c; 4-inch, 25c. **Draecena Terminalis**, 4 and 5½-inch, 25c, 35c, 40c. **Ficus Elastica**, 5½ and 6-inch, 30c, 40c and 50c. **Ferns**, Scotti, Whitman, Scholzei, Boston, Giatrasi, 5¼, 5½, 6 and 7-inch, 30c, 40c, 50c, 60c, 75c to \$1.00. **Begonias**, Gloire de Lorraine and Cincinnati in bloom, 5½ and 6-inch, 40c, 50c, 60c, 75c to \$1.00. **Cyclamen**, 4 and 5½-inch, 25c, 30c, 40c and 50c. **Primulas**, Obconica grandiflora and Chinese in bloom, 5¼-inch \$2.00 to \$2.50 per doz.; 4-inch Obconica, 10c and 15c. **Jerusalem Cherries**, 6-inch, 25c to 35c. **Cocos Weddeliana**, 3-in., 15c, 18c, 20c. **Cyr. Falcatum** or Holly fern, 4-inch, 20c and 25c; assorted, 2½-inch Dish Ferns, \$4.00 per 100. **Asparagus Sprengeri** and **Plumosus**, 4-inch, 10c; 2½-inch, 4c; 3-inch, 6c. **Aspidistras**, green and variegated, 6-inch, 75c, \$1.00 and \$1.25. **Hydrangea Otaksa**, for Easter forcing, 6-inch, 25c, 35c, 50c. The genuine **Lilium Multiflorum**, raised from selected bulbs, 4-inch ready to shift, 20c and 25c. Cash with order please.

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HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettucens, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Glorinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Quality in Young Stock

NEW ROSES.

MILADY and MRS. GEO. SHAWYER

Grafted..... per 100, \$30.00 Per 1000, \$250.00
Own Root..... " " 30.00 " " 250.00

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Two new Roses of last season.

Grafted..... per 100, \$20.00 Per 1000, \$150.00
Own Root..... " " 12.00 " " 100.00

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Grafted..... per 100, \$35.00 Per 1000, \$300.00

KILLARNEY, WHITE KILLARNEY, MY MARYLAND,
DOUBLE PINK KILLARNEY, MRS. TAFT (Rivoire)
RADIANCE, MRS. AARON WARD, LADY
HILLINGDON, RICHMOND

Grafted..... per 100, \$15.00 Per 1000, \$120.00
Own Root..... " " 7.50 " " 60.00

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ROSETTE, ST. NICHOLAS, BENORA

Rooted Cuttings..... per 100, \$6.00 Per 1000, \$50.00

BEACON

Rooted Cuttings..... per 100, \$3.50 Per 1000, \$30.00

WHITE ENCHANTRESS, WHITE PERFECTION,
MRS. C. W. WARD, MAY DAY

Rooted Cuttings..... per 100, \$3.00 Per 1000, \$25.00

CHRYSANTHEMUMS.

The Best Commercial Varieties in Existence.

CHRYSOLORE, UNAKA, CHADWICK SUPREME, DECEMBER GEM, CHAS. RAZER, W. R. BROCK

Rooted Cuttings, \$4.00 per 100, \$30.00 per 1000. 250 of a variety at the 1000 rate.

New varieties and a list of the best commercials given in full in our catalogue.

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FAIRY QUEEN, the best pink; HELEN NEWBERRY, the best late white, from 2¼-inch pots, \$6.00 per 100, \$50.00 per 1000

TO COVER THE SEASON CONSIDER THE LIST BELOW AND SEND IN YOUR ORDER.

WHITE—Nio, Baby Margaret, Diana. YELLOW—Overbrook, Mertsham Tints, Baby, Quinola, Souvenir d'Or (Mrs. Frank Ben). PINK—Eleganta, Alena, Mintia, Alma. BRONZE YELLOW—Miss Julia, Allentown. RED—Rufus, Lyndhurst, Julia Lagravere. From 2-in. pots, \$3 per 100, \$25 per 1000. 5 varieties at the 100 rate; 250 at the 1000 rate

SINGLES. A collection of the twelve best varieties for cut sprays.

BEDDING STOCK—COLEUS in quantity, SALVIA, ALTERNANTHERA, HELIOTROPE, AGERATUM, ACHYRANTHES.

No order too large for our wholesale department. Use printed stationery or enclose your card. Wholesale prices to the trade only.

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...NEW ROSE...

"Mrs. Charles Russell"

OWING to the great demand for plants, our root stock is all sold out until later in the season, but grafted plants may still be had in quantity, as we have 12000 growing in our houses from which to make stock. Orders will be filled strictly in rotation.

Prices on Grafted Stock:

12	100	250	500	1000	2500	5000
\$7.50	\$35.00	\$82.50	\$150.00	\$300.00	\$687.50	\$1250.00

WABAN ROSE CONSERVATORIES, Natick, Mass.

Miscellaneous Plants

Smilax, 2-in., per 100, \$1.00. Dracaena Indivisa 2-in., per 100, \$2.00. New Double Daisy, Mrs. F. Sander, 2-in., per 100, \$2.00. Cryptomeria Japonica, 2-in., per 100, \$5.00. Asparagus Plumosus, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

ROOTED CUTTINGS.

	Per 100.	Per 3000
Verbenas.....	\$0.70	\$ 6.00
Ageratums.....	.60	5.00
Heliotrope, Daisies, Salvias..	1.00	8.00
Feverfew, Petunias.....	1.25	10.00
Coleus.....	.70	6.00
Alyssum, Double.....	1.00	8.00

Cash with orders. Express Paid. Write

S. D. Brant, Clay Center, Kans.

Mention the American Florist when writing

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THE LEEDLE FLORAL COMPANY
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Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelities my Specialty

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100, Boston and Whitman Ferns, 3-in., 10c; 4-in., 15c; 5 in., 25c. Dracaena Ind., 3-in., \$5.00; 4-in., \$8.00; 5-in., \$25.00 per 100. Vinca Var., 2-in., 2c. Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus Plumosus, 2-in., \$3.00 per 100. Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

The Early Advertisement Gets There.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.
Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

American Association of Nurserymen.

Nurserymen are beginning to inquire regarding the convention of this association to be held in Portland, Oregon, June 18-20, 1913. The selection of the date was left to the executive committee by the last convention, and the National Nurseryman says they have "exercised good judgment in deciding upon these dates, as that will be immediately following the great rose festival" to be held in Portland. Then, too, there will be a large gathering of Pacific Coast nurserymen, and a splendid opportunity will be afforded for a genuine "getting-together" occasion.

J. B. Pilkington, the generalissimo of arrangements and the writer have been in frequent communication for the past few weeks and matters are shaping nicely. In all probability the magnificent new Hotel Oregon will be decided on as headquarters. It possesses a palatial auditorium for meetings and ample space for exhibits, for which there will be no charge by the hotel management. Hotel rates will be reasonable, varying from \$1.50 to \$3, for one or two persons without bath; with bath, from \$2 to \$6; numerous elegant suites composed of private parlor, private dining-room and one, two or three sleeping chambers, with private bath, at rates furnished by the management on application.

The famous Oregon cherries will be ripe at the time of meeting and an ample supply of this luscious fruit will be at the disposal of members. Mr. Pilkington says, "there are two bites to an Oregon cherry." Members of the American Association should now anticipate this notable convention. There is every indication that the Pacific Coast nurserymen will be there in force, and it is up to the fraternity living east of the Rockies to assist in making the event one never to be forgotten.

The Trans-Continental Passenger Association has published its schedule of rates and will issue summer tourist tickets from Chicago to Portland, returning by same or any other direct route, for \$75.00. The Trunk Line Passenger Association announces "special occasion fares" within its territory, and it will be possible to buy a ticket in New York city to Portland and return for \$111.30. The rate from Rochester, N. Y., will be \$96.30. I have asked the Trans-Continental Association to include our members in the special excursion class, and this request has been referred to interested lines for their decision, and if granted the rate will be \$7.50 less from Chicago.

President Meehan has appointed Marsden G. Fox of Rochester, N. Y., to rally the eastern members on the subject of special cars, and Mr. Fox at once inaugurated a vigorous canvass, the results of which are quite gratifying. He hopes that members in the middle, southern and southwestern states will arrange to connect at Chicago so that all can cross the continent together.

Members will do well to send their membership fee early to the secretary, and those who use the badge book should endeavor to get their copy to that official as soon as convenient. I shall be pleased to answer any questions and give such information as I am possessed of if members will address me, 204 Granite Building, Rochester, N. Y. JOHN HALL, Sec'y.

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Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City: Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS
Nurserymen and Florists. RUTHERFORD, N. J.

Comfort Carnation Cuttings

A Scarlet second to none. A Carnation that came to stay. Be wise, have comfort. Orders filled in rotation. Cuttings guaranteed, \$4.00 per 100. \$30.00 per 1,000.

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The Latest Novelties and the Best Standard Kinds.

WE HAVE THEM SUITABLE FOR ANY PURPOSE.

Ask for our 1913 Catalogue.

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MANETTI STOCKS.

Well rooted. English-Crown Manetti Rose stocks, especially selected for Florist's grafting.

5 to 8 m-m.....\$12.00 per 1,000 3 to 5 m-m.....\$10.00 per 1,000

Duty paid. We are filling orders NOW; can take care of a few more late buyers. Are YOU supplied? Send us your order. Shall we ship by freight or express?

JACKSON & PERKINS CO., Newark, New York

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids. Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

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OAKS AND MAPLES
PINES AND HEMLOCKS

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Chestnut Hill, PHILA., PA.

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—Address—

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High
Class

PALMS

and Novelties in Decorative Plants.

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L. H. VAUGHAN, Vice-Pres.

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Spring 1913 Ready

The most complete right-priced list of all
Seeds, Bulbs, Plants and Supplies
needed or profitably handled by Florists.

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Read it, hang it up for weekly reference; then read it some more.

Vaughan's Seed Store, P. O. Drawer V, CHICAGO.
25 Barclay St, NEW YORK.

CARNATIONS

Rooted Cuttings, Season 1913.

January delivery.

	Per 100	Per 1000
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St. Nicholas	6 00	50 00
Benora.....	6 00	50 00
Gloriosa.....	4 00	30 00
White Wonder	3 00	25 00
White Perfection.....	3 00	25 00
White Enchantress.....	3 00	25 00
Enchantress.....	3 00	25 00
Rose Pink Enchantress.....	3 00	25 00
Scarlet Glow.....	3 00	25 00
Mrs. C. W. Ward.....	3 00	25 00
Bonfire.....	3 00	25 00

Rooted Cuttings Our Specialty. Fine stock;
even size; well rooted cuttings.

F. DORNER & SONS CO.
LA FAYETTE, IND.

SEASONABLE STOCK

Pandanus Utilus, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.

Cibotium Schiedel 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.

Fern Dish Ferns, all the best sorts including *Cyrtomium Falcatum*, and *Aspidium Tsussimense*, \$3.00 per 100; \$25.00 per 1000.

Bargain! Kentia Forsteriana, a special bargain in single specimen plants,
perfect condition, 66 in. high, 6 to 7 leaves, in 10 in. green tubs, \$7.50.
Made up Kentia Forsteriana, 8 in. tubs, 4 plants in a tub, 48 to 52 in. high,
\$6.50 each.

Calla Ethiopica, 3-in. strong, need shift, \$7.00 per 100.

New Baby Rambler Rose, Erna Teschendorf, strong 2-yr. field grown plants,
\$4.00 per dozen, \$30.00 per 100. This is the best Red Baby Rambler of all.

English Ivy, strong 4-in., two or more shoots, \$12.00 per 100.

Dracaena Indivisa, strong 6-in. pot plants, \$35.00 per 100, 5-in. \$20.00 per 100
(Pot grown stock).

THE STORRS & HARRISON CO. - Painesville, Ohio.

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Lady Hillingdon Roses

Fine 2 1/4-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
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AND

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JOHN SCOTT, Rutland Rd. & E. 45th St.
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Coleus

ROOTED CUTTINGS ONLY.

S. A. Nutt \$12.50 per 1000

Ricard. 15.00 " "

Poitevine 15.00 " "

Next delivery Feb. 17th.

ROOTED CUTTINGS ONLY.

Red, Yellow and general assortment
at \$6.00 per 1000.

Giant leaved, \$1.50 per 100.

Next delivery Feb. 3rd.

GUARANTEED STOCK: I ASSUME ALL RISKS.

ALBERT M. HERR, Lancaster, Pa.

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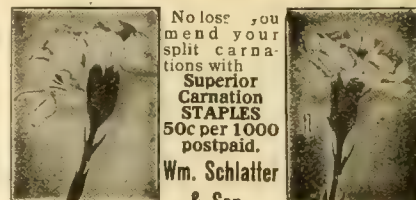
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Carnations, Rosette, St. Nicholas, Benora, \$6 per 100; \$50 per 1,000, Beacon, \$3.50 per 100; \$30 per 1,000, White Enchantress, White Perfection, Mrs. C. W. Ward, May Day, \$3 per 100; \$25 per 1,000, A. N. Pierson, Inc., Cromwell, Conn.

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Largest rose growers in the world.
Box 18, SPRINGFIELD, O.

Ferns. We need the room and want cash bad enough to offer for one week only 20% off our list for any ferns on it. Stock guaranteed to please you. GEO. A. KUIL, Pekin, Ill.

ROOSEVELT FERNS.

2½-in., \$6.00 per 100.

CONARD & JONES CO.,

WEST GROVE, PENNSYLVANIA.

Table ferns, 10 varieties, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$6 per 100; \$55 per 1,000, Pochlmann Bros. Co., Morton Grove, Ill.

Ferns, Boston, \$3 per 100; \$30 per 1,000, Whitman and Compacts, 2½-in., \$6 per 100; \$50 per 1,000, Roosevelt, \$6 per 100; \$50 per 1,000, Henry H. Barrows & Son, Whitman, Mass.

Ferns, Scottii, Whitman, Schozelli, Boston, Giatrasi, 5½ to 7-in., 30c to \$1 each, Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate, Frank Oechstin, 4911 Quincy St., Chicago.

Ferns. For prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000, ROBER & RADKE, Maywood, Ill.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Ferns, Boston, 6-in., 50c each; \$6 per doz.; 7-in., 75c each; \$7.50 per doz.; 8-in., \$1 each; \$10 per doz.; 10-in., \$2.50 each; 12-in., \$3.50; 2½-in., \$3.50 per 100, Pochlmann Bros. Co., Morton Grove, Ill.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston. For sizes and prices see advertisement on front cover page. Vaughan's Seed Store, Chicago and New York.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus Pandurata, 6-in., 2½ to 3 ft., extra plants, \$3.50 each; 7-in., 5 to 6 feet tall, \$4.50 to \$5 each. Rubber plants, 6-in., 75c to \$1 each, Pochlmann Bros. Co., Morton Grove, Ill.

Ficus elastica, 4-in., 35c each; 6-in., 50c. Pandurata, 6, 7 and 8-in., \$1.50 to \$3.50 each. Repens, 2½-in., 50c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus elastica, 5½ and 6-in., 30c to 50c, Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

Geraniums—Good, healthy, fall rooted plants from 2½-in. pots at \$3 per 100; \$27.50 per 1,000 except where noted: Beaute Poitevine, Marq. de Castellane, S. A. Nutt, Jean Vlaud, La Favorite, A. Ricard, Mme. Landry, Mrs. E. G. Hill, Albion (single white) Mme. Barney, Heteranthe, E. H. Trego, M. Jaulin, Red Wing, 6c each. Our new catalogue will be ready January 1st. Send for a copy of same. THE GOOD & REESE CO., Box 18, Springfield, O.

ROOTED GERANIUM CUTTINGS.

The "BIG FOUR" bedders, S. A. Nutt, (dark red), Gen. Grant, (best bright red), Mme. Buchner, (only dbl. white), \$1.50 per 100; \$14 per 1,000, Beaute Poitevine, (salmon), \$1.75 per 100; \$16 per 1,000, Cash, THE W. T. BUCKLEY CO., Springfield, Ill.

GERANIUMS.

Mme. Sallerol, Mme. Buchner, 2-inch, \$2 per 100; \$18 per 1,000.

EDW. DOEGE CO.,

4344 N. Springfield Ave., Chicago, Ill.

NEW AMERICAN BEAUTY.

For the first time we are offering this wonderful new geranium to our many customers. Write for colored cut and prices on large lots, 2½-in. pots, 50c; \$5 per doz.

JOHN BAUSCHER, JR.

Arcade Addition, Freeport, Ill.

Geraniums, 3,000 2½-inch; 15,000 3-inch; 2,000 4-inch; 800 5-inch; ready to go out at special prices for cash. If interested write GEO. A. KUIL, Pekin, Ill.

Mme. Sallerol, 2-in., \$2 per 100; \$18 per 1,000. Orders booked now for 2½-in. geraniums, January and February delivery. Write for prices. ROBER & RADKE, Maywood, Ill.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000, R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, S. A. Nutt and four others, \$25 per 1,000; \$3 per 100, Mme. Buchner, 2½-in., \$2 per 100, Jos. H. Cunningham, Delaware, O.

Geraniums, rooted cuttings, Ricard and Poitevine, \$15 per 1,000, S. A. Nutt, \$12.50 per 1,000, A. M. Herr, Lancaster, Pa.

Geraniums, rooted cuttings, S. A. Nutt, double, Clifton, single, same color as Nutt, \$15 per 1,000, H. Z. Gerhardt, Wilmette, Ill.

Geraniums, Nutt 2½-in., \$2.50 per 100, Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100, Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns, Caldwell the Woodsman Co., Evergreen, Ala.

Greens, bronze galax, \$3.50 per case of 10,000. Dagger ferns, \$3 per case of 5,000, cases of 10,000, \$5.50. Log moss, \$1 per 2 bu. bag, Aaron Buchanan, Hawk, N. C.

Greens, palm and magnolia leaves, Florida moss, etc. Reduced prices to dealers. Est. 25 years, Victor Schmelz & Son, R. 2, Sanford, Fla.

Greens, ferns, \$1.35 per 1,000; 2,000, \$2.00; 5,000 or more, \$1.20 per 1,000, Robert Groves, 127 Commercial St., Adams, Mass.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens. For prices, see advertisement elsewhere in this issue. Elk Galax and Fern Co., Banners Elk, N. C.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Palm leaves, ferns and mosses. Friedrich Kohlschreiber, Hamburg 24.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

HYDRANGEAS.

New forcing HYDRANGEA ARBORESCENS GRANDIFLORA ALBA or Hills of Snow. For forcing or immediate sales: 1-yr., field-grown, 12 to 18 inches, 2 canes, \$1.25 per doz.; \$8 per 100; \$75 per 1,000. Select, 2 to 3 canes, \$1.50 per doz.; \$10 per 100; \$90 per 1,000. 2-yr., field-grown, 18 to 24 inches, 2 to 3 canes, \$2 per doz.; \$14 per 100; \$120 per 1,000. Our catalogue of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.
Largest rose growers in the world,
Box 18, SPRINGFIELD, O.

Hydrangeas, pot-grown for forcing, in 6-in. pots. Otaksa, 5 and 6 branches, \$20 per 100; 4 branches, \$15; 3 branches, \$12; 2 branches, \$10. Thos. Hogg, 5 and 6 branches, \$20; Souv. de Claire, 7 and 10 branches, \$25. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

IVIES.

ENGLISH IVY.
2½-in. pots, \$5.00 per 100.
CONARD & JONES CO.
WEST GROVE, PENNSYLVANIA.

English Ivy, strong, 3-in. stock. Write for prices. C. L. Reese, Springfield, O.

JERUSALEM CHERRIES.

Jerusalem cherries, 6-in., 25c and 35c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the Valley. Grow Bruns' celebrated Chicago Market, the finest forcing valley in America, \$18 per 1,000; \$9.50 per 500; \$5 per 250; Florists' Money Maker, \$18 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MANETTI.

Manetti stocks, English-grown, 5-8 m-m, \$12 per 1,000; 3-5 m-m, \$10 per 1,000. Jackson & Perkins Co., Newark, New York.

MOSS

Just received a carload of MOSS, which will be sold at the right price. Call Lawndale 1834.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

Sphagnum moss. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

SHRUBBERY.

There are bargains to be had here in such varieties as spiraea, althea, weigela and philadelphus, and this names only a few. We have acres of shrubs, well grown and ready for you. Write for price list.

The Conard & Jones Co., West Grove, Pa.

ONION SETS.

Choice re-cleaned ONION SETS, red, \$1.50; white, \$2; yellow, \$1.40 per bushel of 32 lbs. J. C. Zaplewski & Co., Growers, Norwood Park, Ill.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PRIMULAS.

Primula Malacoides, strong, 2½-in., \$2.50 per 100; ready to shift. Rober & Radke, Maywood, Ill.

Primula Obconica, 3-in., \$4 per 100 cash. John Bauscher, Jr., Freeport, Ill.

PRIVET.

AMOUR RIVER NORTH. The hardiest privet grown, 12 to 18 inch, \$2 per 100; 18 to 24 inch, \$3 per 100. Valdesian Nurseries, Bostic, N. C. Atlanta Floral Commission Co., Atlanta, Ga.

ROSES.

ROSES—Fine, healthy stock on own roots: Mrs. De Graw, Mrs. David McKee, Burbank, Franz Dugan, Duchess de Brabant, Apricot, Marie Lambert, Coquette des Blancs, Hermosa, White Cochet, Anna Muller, Pink Cochet, White La France, Clothilde Soupert, Mme. Abel Chateau, Climbing Meteor, Safrano, Souv. de Pierre Notting, Golden Gate, Champion of the World, 2-in., \$3 per 100. Ben R. Cant. Gloire de L'Exposition Bruxelles, La Reine, Kaiserin, Pink La France, Gruss an Teplitz, Wellesley, Helen Gould, 2-in., \$3.50 per 100. Mrs. Cutbush, Pres. Taft, 2-in., \$5 per 100. Order now; will ship when wanted. WAGNER PARK CONSERVATORIES, Sidney, O.

ROOTED ROSE CUTTINGS.

	Per 1,000.	Per 1,000.
American Beauties	\$3.00	\$25.00
Pink Killarney	2.50	20.00
White Killarney	2.50	20.00
Richmond	2.00	18.00
My Maryland	3.00	25.00

Ready now. Satisfaction guaranteed.
GEORGE REINBERG.
162 N. Wabash Ave. Chicago, Ill.

Roses, Shawyer and Mladly, \$30 per 100; \$250 per 1,000. Chas H. Totty, Madison, N. J.

SEEDS.

Pimento or Spanish Pepper, the greatest producer and seller ever put on the market; will be the money-maker for any florist or gardener. I have stock that is an improvement over the native Spanish stock; \$90 plants by actual measure produced 117 bu., planted as late as June 16 and sold in the Columbus wholesale market as high as \$2 per bu. I sold them at retail at 25c per doz., with the seed out. I have a limited supply of seed to offer at 50c per liberal trade packet. L. C. ADSIT, Jamestown, O.

Seeds—Ageratum, alyssum, antirrhinum, Asparagus plumosus and Sprenger, asters, begonia, candytuft, celosia, centaurea, cineraria, cobaea scandens, coleus, Dracena indivisa, Grevillea robusta, ipomea, lobelia, mignonette, petunias, salvia, smilax, stocks, Thunbergia, Torenia For., verbenas. For varieties and prices see advertisement elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Seeds, beans, beets, cabbage, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, glorioles, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

THE SAWYER ASTERMUM—Eight years of strict selection places it on the mountain top of perfection, in color, size and profit. Price (cash with order) \$3, oz.: \$4.50, ¼ oz.; trade pkg. (not mixed) \$1. Colors: White, pink and lavender. ALBERT A. SAWYER, Forest Park, Ill.

Seeds, carrots, lettuce, onion, radish, beet, parsley, parsnip, salisfy, sweet peas, mustard, celery, endive. California Seed Growers' Association, Inc., San Jose, Calif.

Seeds, lawn grass. J. Oliver Johnson, 1874-76 Milwaukee Ave., Chicago.

Seeds, Wm. Henry Maule, 1707-11 Filbert St., Philadelphia.

SHAMROCKS.

Shamrocks, true Irish, 2-in., \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

SMILAX.

Smilax, 3 times cut back, 2½-in., \$2 per 100 cash. John Bauscher, Jr., Freeport, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

SOFT WOODED PLANTS.

SOFT WOODED PLANTS. Abutilons, ageratum, achyranthus, alternantheras, begonias, nice flowering varieties; Rex and Spiral Rex; Coleus, eupheas, chrysanthemums, carnations, cinerarias, cannas, dracenas, daisies, four varieties; English and German ivy, fuchias, fescue, geraniums, ten varieties; also rose and ivy and silver leaf geraniums, bellotrope, lantanas, lemon verbena, moonvines, pansies, petunias, salvias, sweet alyssum, sultanas, Vines, etc., etc. GEO. A. KUHLE, Pekin, Ill.

VEGETABLE PLANTS.

We grow cauliflower, egg plant, peppers, lettuce, cabbage, tomatoes and parsley. See our other advt. FRANKLIN PLANT FARM, Inc., Frank Bruton, Pres. and Mgr., P. O. Box 964, Norfolk, Va.

Vegetable plants, Grand Rapids and Tennis Ball lettuce, \$1 per 1,000; 5,000 lots, 90c per 1,000; 10,000 lots, 80c per 1,000. Franklin Plant Farm, Inc., R. F. D. 2, Norfolk, Va.

Vegetable plants, tomato, egg and pepper plants. Benj. F. Castner, Belvidere Ave., Washington, N. J.

Book your orders now for March delivery of FORCING TOMATOES, Comet and Lorillard. 2½-in. at 2c. Cash please. J. J. Clayton & Son, West Grove, Pa.

VINCAS.

VINCA MINOR (trailing periwinkle.) A hardy evergreen vine, trailing close to the surface, forming a dense mat, thriving under trees where grass will not grow; useful for binding the soil on slopes to prevent washing, for covering graves, where the blue flowers contrast finely with the glossy green foliage. Well rooted plants, \$1.50 per 100; \$10 per 1,000; 5,000 for \$40. Samples on request. E. Y. TEAS, Centerville, Ind.

Vincas, 2-in., \$3 per 100; 4-in., \$1.75 per doz.; \$15 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Vinca Variegata and green; have 50,000 strong, well rooted cuttings at \$5 per 1,000; sample on request; this stock guaranteed. Cash. D. E. ADSIT, Jamestown, O.

BASKETS.

BASKETS. We have about one hundred Bird's Nest Baskets which we will close out at \$10 per 100; these filled with Jap. air plants at \$4 per doz. Try a few. GEO. A. KUHLE, Pekin, Ill.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material of all kinds. Hotbed sash. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Building material. Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

SUPERIOR CARNATION STAPLES. Mend your split carnations. Finest article for carnation growers introduced so far, 50c for 1,000, postage paid.

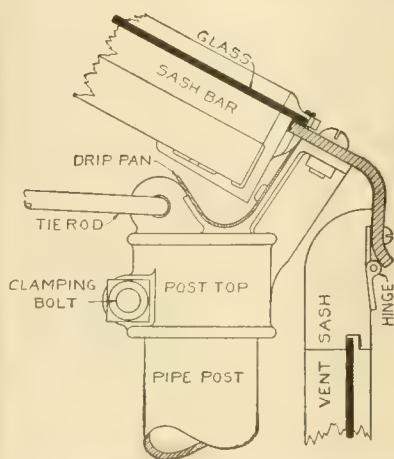
MICHIGAN CUT FLOWER EXCHANGE. 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.



CURVED IRON EAVE STYLE "S"

This Eave is intended for use on detached houses with either fixed glass or side sash. It is practically all exposed to the inside heat of the greenhouse and so is ice clearing.

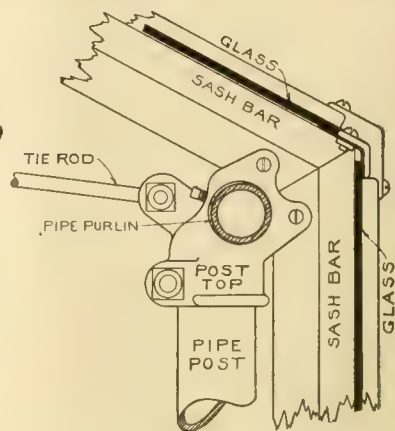
KING GREENHOUSE EAVES

They solve the Eave problem. They make the least possible shade. And, as you can see, present no surface for icicles to form on. They have great strength with lightness. They are designed and made for the purpose and not adapted from stock structural shapes. We want to figure with you.

KING CONSTRUCTION CO.

Home Office and Works:
North Tonawanda, N. Y.

New England Sales Office:
7 Water Street, Boston, Mass.



CURVED IRON EAVE STYLE "L"

This Eave, although lighter than Style "S", is amply strong for all eave purposes. It obstructs little light and is ice clearing in the most severe weather. It is intended for use with fixed glass only.

GOLDFISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152, Chicago.

JAPANESE AIR PLANTS.

JAPANESE AIR PLANTS. In canoes, something extra fine at \$2.50 per doz. GEO. A. KUHL, Pekin, Ill.

MATS.

MATS.—We make not only the most practical but the cheapest HOTBED and COLD FRAME MATS on the market. A large per cent of our orders come from gardeners and florists who have tried them and are pleased. Our mats are in use in Iowa, Ill., Ind., Ohio, Minn., Wis., Mich., New York, Maine, Mass., Conn., R. I., N. J., Va., W. Va., and Pa. Also in British Columbia and Ont., Canada. Send for circular. WATTS BROS., Kerrmoor, Pa.

MISCELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5936 Penn Ave., near Highland, East End, Pittsburgh, Pa.

Siebert's glazing points, 40c per lb.; 5 lbs., \$1.95; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

Greenhouse glass. Baur Window Glass Co., Eaton, Ind.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Gold, silver and purple letters. Gold and purple scripts. J. Lichtenberger, 1564 Ave. A, New York.

Green Silkaline. John C. Meyer & Co., Lowell, Mass.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Glass. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Glass, bent glass, ground glass. The Johnston Glass Co., Hartford City, Ind.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS.—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS AND FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Peerless Refrigerators for florists. Jac. Lederer, 644-48 W. Madison St., Chicago.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

ANTI KLOG

—THE— SPRAYER OF MANY USES

Sold by these dealers:

VAUGHAN'S SEED STORE,
CHICAGO NEW YORK

—AND—
E. H. HUNT,
131 N. Wabash Ave., CHICAGO.

Send for Free Book of Spraying Recipes.

ILLINOIS METALS CO.,

Manufacturers,
2436-2440 W. 22nd St.,
CHICAGO, ILLINOIS.

Mention the American Florist when writing

H. BAYERSDORFER & CO.



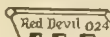
Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

Mention the American Florist when writing

"Red Devil" No. 024



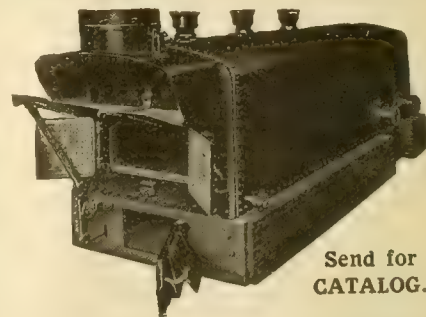
The glazier's standard tool for cutting all kinds of glass. The "Red Devil" glass cutter that is used by all. Known and recognized throughout the world as THE BEST cutter ever made. Sold everywhere by the hardware trade. Ask your local dealer for "Red Devil" No. 024. Send us three 2c stamps for One only free sample.

SMITH & HEMENWAY CO., 501 Chambers St., New York.

Mention the American Florist when writing

WHAT THE USERS SAY

I have fired boilers for the last forty years. The Kroeschell is the best I have ever used. I have two cast iron boilers, also a locomotive boiler coupled with yours but did not need to use the cast iron boilers this winter. Your No. 7 boiler is rated at 15,000 sq. ft. of glass and carries 25,000 sq. ft. of glass until the outside tempera-



Send for
CATALOG.

ture goes down to 10 degrees of frost. We have no trouble to keep temperatures in our houses with easy firing since we installed your boiler. From the boiler to the farthest end of our violet houses and return is 800 feet, and circulates very quickly.

THE SALT FORD FLOWER SHOP.

Wm. D. Saltford, Poughkeepsie, N. Y.

KROESCHELL BROS. CO., 452 W. Erie St., Chicago

Mention the American Florist when writing

CYPRESS
IS FAR MORE DURABLE THAN PINE.

CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.

GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.

Send for our Circulars.
THE A. T. STEARNS LUMBER CO.,
NEPONSET, BOSTON, MASS.

Mention the American Florist when writing



The Frame of Our Iron Frame

YOU know that it takes much more strength to hold a weight out at arm's length, straight from your shoulder, than it does when held closer to your body.

How altogether reasonable it is to apply the same principles to framing a greenhouse!

Our method of iron framing is based on that same principle of placing the supporting members in such a way that the load is distributed and eased up, so that there are no excessive strains on the columns.

Trussing—unless it is the compression type— we protest against using.

Look at this 55-foot house above and compare its extreme simplicity of compression framing with other houses of similar widths; and you surely must be impressed with the advantages of such simplicity in construction.

In this week's Florists' Exchange we take two pages to show our New Cantilever Iron Frame that requires fewer rafters, fewer purlins, fewer columns, and still has the necessary strength.

Twenty-inch glass is used.

Be sure to look the Ad. up.

Better yet, let us come and talk it over with you.

Hitchings & Company

NEW YORK OFFICE: 1170 Broadway

Factory: Elizabeth, N. J.

Dreer's Peerless Glazing Points
For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL SIZE No. 2

SIEBERT'S ZINC
Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, 3/8 and 7/8. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Florists.
5936 Penn Ave., near Highland, Pittsburgh, Pa.

The Early Advertisement Gets There.

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.
Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

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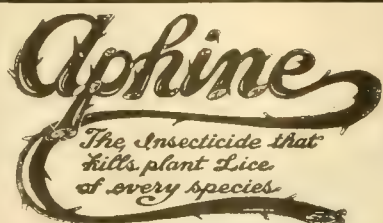
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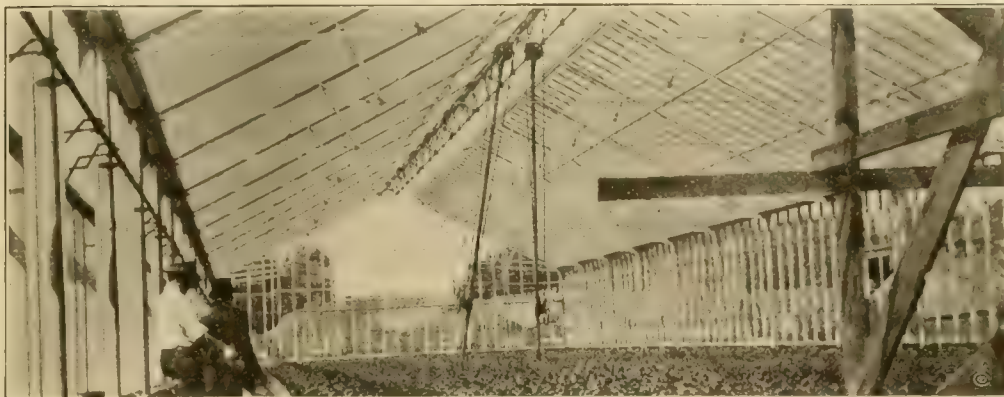
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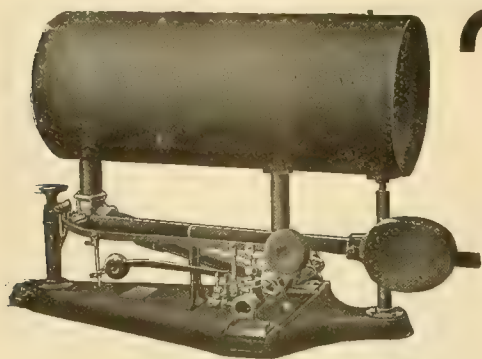
ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Matthews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

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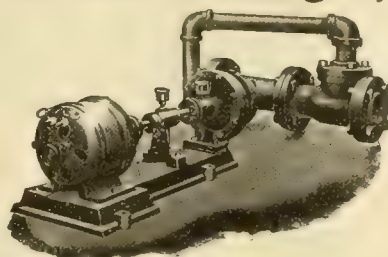
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THE AMERICAN FLORIST



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Vol. XL CHICAGO AND NEW YORK, FEBRUARY 8, 1913. No. 1288

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address; Amflo, Chicago.

Subscription, United States and Mexico, \$1.00 ■
year; Canada, \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol
umes half yearly from August 3, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

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CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at Chicago,
November, 1913. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
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SUGGESTIONS FOR PLANT GROWERS.

Early Annuals.

During the warm days of June the carnations deteriorate very rapidly and there is often a great need for some flower to take their place, and an early bench of asters is a great boon at such a time, especially for those who have a good call for funeral work. Seed planted during February and grown in pots or flats until after Easter can be then transplanted to the benches in which the Easter crops are grown and they will be in bloom at the time when most desired. A good strain of early flowering varieties either Comet or Victoria should be selected and with good care a paying crop is assured. A sowing of candytuft by March 1 will also produce plants that can be benched after Easter in the same manner and a good cut for Memorial day be had. The strains of white giant candytuft now offered make splendid spikes for the filling in of sprays at that great flower day. There are many annuals that can be grown for early spring blooming that are greatly appreciated by the trade among which might be mentioned calendulas, nasturtiums, scabiosa, sweet sultans and bachelor's buttons.

Hydrangeas.

The greatest demand for hydrangeas is in May and June and to have them in the best condition at that time the plants should be started before March 1. While they may be started later and forced harder, yet the plants so grown are not as sturdy and do not give so good satisfaction after they are placed on the porches. Start the plants in a cool house and if the wood has become dry in their winter quarters, frequent syringing will assist in softening it. When they begin to grow do not crowd them. Crowding and too much heat are the principal causes of the long, ungainly plants so often seen. If they are grown in a cool house, with plenty of room, the plants will be sturdy and short-jointed, covered with beautiful foliage and shapely, and are a great ornament, which surely cannot be said of the tall plants with small foliage and bare stems toward the base. When the plants begin to grow

rapidly they will require plenty of water and during the warm, sunny days of spring, when the houses are hot, all the ventilation possible, and at this time watch carefully for red spider, which gather in great numbers on the young growths and blooms and quickly spoil them. If they appear, syringe heavily until they are overcome. Keep the plants staked and tied as soon as required.

Azaleas.

The azaleas for spring flowering and Easter will soon need attention. If they have been in cold pits they should be brought into cool houses, and those that have been kept in cool houses will need spacing out and a careful going over. March and April being nearer their natural time of blooming than those brought into flower early in the winter, the plants will not have to be forced as hard and are much better brought along in a cooler temperature. The plants, however, that bloom later will require more attention, especially in regard to pinching out the soft growths that start around the cluster of buds. This should be done as early as possible and with great care, so as not to injure or break the buds. These soft growths grow very rapidly at this time and if they attain any length, quickly draw the nourishment from the stem and blast the buds, so it will require constant attention to keep them pinched off. They should be looked over at least once a week and all young shoots removed. Give the plants plenty of room so as to allow a good circulation of air, that the plants can dry off after syringing. These plants are often crowded together as closely as possible, but this invariably results in the loss of much foliage and the plant grows out of shape.

What to do with the plants that have flowered is often a question. Many growers assert that a better and earlier plant can be produced the second year than can be bought abroad and imported, but to do this the plants must be given good culture and not placed in some out-of-the-way corner where it suffers for lack of air, light and water. Whatever trimming into shape the plant requires should be done now,

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Page 115

and the plant given an opportunity to start a new growth. As early as it is safe from all frosts the plants can be plunged outside in a frame and during the summer a mulch should be spread over the soil to prevent too much evaporation. Frequent syringings may be required during hot weather to keep down red spider, these plants being quickly infested with these insects in certain locations and they quickly ruin the foliage. Like all hard-wooded stock, be sure they do not get dry. They do not show it as quickly as the soft-wooded plants and often when it is seen it is too late to remedy the injury done.

Marguerites.

As the warm days of spring approach the marguerite plants will bloom profusely and those in pots will have, to a great extent, exhausted the plant food in the soil, so to keep up the size of the flower and length of stem watering with liquid manure will be necessary. Liquid cow manure can be safely used in frequent waterings with no danger of any injury if the plants are in a healthy condition. The flowers should be cut daily and placed in water; they will keep much longer than if allowed to remain on the plants where they quickly fade if not picked when the warm spring days come on. This should be prevented for it not only gives the plant an untidy appearance but takes the strength of the plant and the following flowers are often much shorter in stem. A few well bloomed plants are very decorative at Easter, especially in churches where they make a splendid showing. Propagation for next year's stock should now be carried on; the cuttings root easily and there are plenty to be obtained at this time. As soon as rooted they should be grown on in good soil, and to secure the best results another year given the best of culture.

Dahlias.

The forcing of early dahlias has been practiced successfully by growers the last few years, and roots started at this time will produce flowers for Decoration day and during June. A good deep bench, in a house not too warm should be selected, and while the plants are great feeders in the open ground, it is better not to have the soil too rich in the houses, for the plants grow very tall inside, and with a rich soil make a strong, rampant growth, which will not bloom as early. They can be fed when the buds begin to form by giving them a mulch of half-decayed manure, which will materially assist the flowering and also provide a covering that will prevent evaporation. They will require but little attention except that long, strong stakes will be necessary to keep the plants growing erect, to which they should be firmly tied, and then disbudding to produce the better blooms. Any varieties that it is desired to increase the stock can be planted in the house and the young growths made into cuttings, which root easily at this time.

SOUTH AUBURN, NEB.—The greenhouse of C. G. Milam & Sons was badly damaged and the stock nearly all destroyed by fire Sunday, January 26. The furnace room and the supply house, with all the contents, were included in the loss. There was no insurance. The firm had enjoyed a splendid business.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Washington's Birthday Favors.

Washington's birthday, of course, brings out the Colonial ideas which have been very popular for some time in floral arrangements. If heirlooms or rare antiques are not available, such elegant reproductions are now made in the old styles that even the quite ordinary porcelain and pressed glassware of Colonial pattern are better suited for the occasion where appropriate and inexpensive favors are desired. Everything should be truly American.

Bonbon baskets made to imitate bark covered stumps should be used. Place in the center a few violets of the paler shade, encircle around this a row of lily of the valley and these in turn encircle with red carnations, making the red, white and blue national combination. Finish it with a red and white lace paper tissue as is used on bouquets, but of the smallest size. The ordinary paper plate doilies in lace effect, which are easily obtainable, can be used by cutting out the centers. Arrange this in a circle as an outer garnish and tie it with red, white and blue ribbon. A small ordinary handle basket, enameled a bright red, will help to carry out the red, white and blue effect by arranging white daisies in the basket, tying on one side of the handle a blue ribbon to which an artificial sprig of cherries can be attached.

Small shields can be obtained at the manufacturer of fancy paper novelties

and these can be utilized in connection with baskets especially on the round handleless style. Use about three of these on a basket, depending, of course upon the size of basket and shield. Fill the basket with Prince de Bulgarie roses and use boxwood as a finish. Where the shields do not meet tuck in a spray of boxwood. Place in the center of the table a large bowl of Prince de Bulgarie roses arranged with boxwood. Use about three shields to hide the bowl. If the shields obtainable are not as large as necessary arrange the boxwood so that they can be made to appear as if in a framework of boxwood. Use a garland of boxwood for the base at the table, making a fringe of the roses around this garland to continue the color effect. Stretch from the favors to the centerpiece streamers of red, white and blue ribbon.

This same arrangement used with Shasta daisies and lily of the valley will make a pretty table setting. If candle sticks are to be used on the table attach shield to the shades and place around the base of each candle stick a garland made of Prince de Bulgarie roses and boxwood. The rustic baskets or birchbark canoes always lend beauty to an arrangement for this occasion. A large birchbark canoe should be used as a centerpiece, each end of the boat resting on a special boat rest which can be made of rustic basket material and covered partially with grey moss. Fill the canoe with red and white roses, using the Colonial effect in the arrangement. Place an American flag on each end and spread a handsome silk flag on the table underneath this centerpiece.



MARGUERITE NICHOLSON'S WHITE.

For favors use three canoe paddles tied together in such a way that they will allow a space for the inserting of a bunch of red rose buds. Tie with a red, white and blue ribbon. A little novelty can be made in this manner: Take a small round basket of any sort and moss it. Take toothpicks and paint them green. Place these in the center of the moss and on each tooth-

The Florist and His Market.

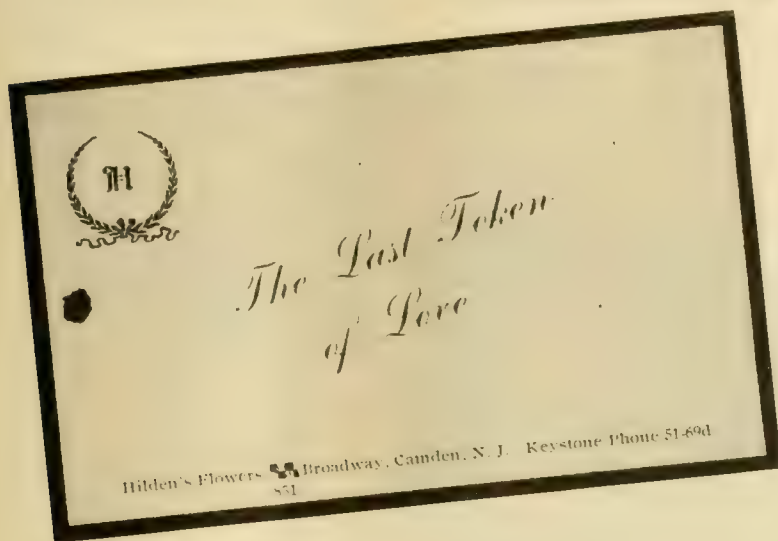
Paper read before the Philadelphia Florists' Club by Wallace R. Pierson, of Cromwell, Conn., February 4.

In taking a subject for my talk to you this evening that is as broad as this, I have a reason for so doing and that reason I wish to express in just as plain English as the law allows. We are all in the same boat—retail-

nor our ultimate end. We must reach out and bring money into our business from outside, just as outside industries are dependent on us to support them. We have been considered a luxury in years past and we want to be considered a necessity, and when the flower business is once settled on that basis it will continue to grow in proportion to the population.

For some years past it has been growing out of proportion to the population and anticipated demand has caused a building boom that has added much to the glass area and very little to the organization of the flower industry. The public has caught some of the spirit and would catch more were we, as real business men, doing our part to teach them that our product has become to them a necessity rather than a luxury, and that as a necessity, at almost all times in the year flowers are within reach of the average pocket-book.

The statement that I have made and which will, in my opinion, bear repeating, although perhaps in different language, is that the selling end of the greenhouse game has not kept up with the building end, and this I firmly believe. Our energy has gone into production, leaving the product to take care of itself or to be taken care of by those who have a customer in sight, but no selling organization has been perfected that aids in moving the output at all times to the best advantage. We have a business no one can corner. Our goods are produced from the soil, our products are perishable. Our quality is a personal matter. Were all the glass built in the last ten years constructed by a flower trust it would be no small concern. Do you believe for one minute that such an organization would sit idly by and allow the product to sell itself? I doubt it. Now, I'm not here knocking the wholesaler, for he does his best to sell it to



A NEAT CARD FOR FUNERAL FLOWERS.

August Hilden's Idea of an Appropriate Card to Accompany "The Last Token of Love."

pick place a red preserved cherry—the large maraschino cherries—and as these also can be had in green, use a few green ones with the reds. Around these cherries circle the Paper White narcissi and finish with a few tiny twigs of maidenhair ferns and tie a blue satin ribbon around the body of the basket. Lily of the valley will also look well with the cherries, as will also white sweet peas.

A. E. K.

McCormick Decorations at Chicago.

Henry Wittbold arranged the decorations for the H. F. McCormicks' Italian garden dance, which was given in the gold ballroom at the Congress hotel, Chicago, on Friday evening, January 31. It was a delightful surprise to the guests as far as the decorations were concerned, for they were very beautiful and the largest ever arranged in this city by an individual firm. Canvas painted to represent the sky hung from the top of the ballroom, and the walls from the floor to the gallery were massed with smilax and other greens, and the French windows of the room were banked with pink azaleas. Arbor vitae trees with their tops reaching to the ceiling were grouped about the gallery and tall Italian vases were placed at intervals among the trees. Begonias, azaleas, cyclamen and Boston ferns in pots with no covering adorned the walls on all sides of the large ballroom and artificial roses covered the 20 pergolas that lined the sides. At one end of the room fountain pots on stone pedestals held large pots of azaleas and that the picture might not be spoiled, all the halls leading from the stairways and the elevators throughout the entire front of the ballroom suite were decorated similarly to the room itself.

er, wholesaler, large grower, small grower—and whoever is dependent upon the florist's business for a living. What I have to say tonight deals with not one market or another, as the term is commonly understood, but largely with the great market that is everywhere—"the people." We may raise what we will buy and sell among ourselves, but that is not our market



MARGUERITES IN POT.

advantage, and the retailer no doubt tries in his way to reach the people, but I am trying to impress on you the one fact that we are all in one boat and that boat is drifting for lack of some power that is not gasoline.

The retail florist without glass in any city is perhaps the most independent one of our fraternity. All he has to do is to stop buying and he is out of business. All his assets, usually the case when he fails, are an unexpired lease, some poor accounts and an ice-box. I wager that nine out of ten of these men are above realizing that they are with us in the boat, that our success is theirs, although we all know how much of their failure is ours. The retail florist so situated with relation to what he sells is not independent, for the source of supply rules, but he will continue to rule so long as the producers allow it and no longer. The retailer who realizes that he is in the boat and that the welfare of the one is the welfare of all, is usually the man with the busy store who is trying to help move stock and who by so doing has increased his business. These men are the salvation of the grower.

Then there is the retailer who grows his own product. I could almost defy you to name one who is not successful. I can name many that are and some of them are among our best known men in the profession, and why are they? Because they grow the goods and must sell it. There is business instinct there. They cannot sign over the ice-box and leave the janitor to wash their name from the window. The spirit of self-preservation keeps them at the task and I would be almost willing to state that they enjoy being business men in the modern sense of the word. You will find the advertisements of these men in the daily papers of their home towns and people with moderate means in their stores, buying flowers. Some of these men were growers who took up the retail end because of the failure of existing flower stores to move their output at paying prices to them as producers, and others are growers to maintain a supply they must have, but however they got into it doesn't alter the fact that they have invested capital and brains and are keeping both working to get to the one market we all want to reach—the people.

The small grower who places his product direct is fortunate. He is in a class by himself, and yet in this paper is considered one of the crowd in the boat, for his welfare is dependent on us all. Unless the retailers with whom he deals directly, are above par, he is getting below par for his stock. That is the way I've found it. When the market drops, they drop him, but they stick to him hard and fast when it goes up. This grower ends by becoming one of the class who ship their product to the wholesale market to share the honor of shipping to the big city with a lot of others, to get less than he got before for his product, and finally he stays out in the suburbs and advertises his carnations and roses "at the greenhouse." The next season he has a new show house in front and a delivery car, and so far as the market is concerned, he becomes a buyer rather than a shipper, advertising in

the local papers having brought business to him and made him independent to a large extent.

The small florist out in the country is not so located that this is practicable. How can he better himself? By being a specialist. Grow the one crop that you can do well—maybe roses, maybe snapdragons—only grow it well. Keep the supply and the business is yours, for the specialist gets to be known and his goods in demand. There is no place today in the big cities for job lots, and this the small florist must realize or be the loser. The odds and ends of stock from a small grower, although perhaps of good quality, are in the same class



Wallace R. Pierson.

with a few odd roses of unusual excellence. They don't bring what they are worth and the competition of the specialist and of the large concerns is too strenuous for a mixed lot from the country. That takes in all of them, for the large grower specializes in more than one line, but each department is capable of holding its own as a rule, and the big places by holding a steady supply, can maintain a sale for their goods and can, as a rule, produce better goods for the money than the small places that do not specialize. The wholesale house is between them all—a clearing house, a necessary evil—but a link in the chain that binds every man dependent on flowers for a livelihood with a common bond, and we must realize that this chain is no stronger than its weakest link.

That bond is the cause for which we should work. To strengthen it should be our mission, the assimilating of the idea of common fellowship in the trade, will be the tie that binds. Some of that spirit has been in the air this season and that spirit, we may hope, will be the yeast that will leaven the whole, but the working is slow, though if successful, it will not be in vain. One of the strong links in the chain is the S. A. F., and this must be the foundation upon which to build.

Let us consider briefly what the society means to the average florist. It means a picnic and a vacation in the

summer, free lunches and a social time with a lot of kindred spirits (and other spirits), and a feeling when he gets home that the florists are after all a jolly bunch and a lot of pretty good spenders. But this is not all. There is creeping into that organization a feeling that as a national society, there is a purpose to accomplish and that purpose is the elevation of the florist profession from the huckster standard to the dignity of a business. The meetings should be to better business conditions, and not to settle seedsmen's arguments with the ruling that votes are power. That feeling has brought about the National Flower Shows to teach the people of the world that we are alive to some of the opportunities of horticulture as a profession in America, to instill into our minds confidence in ourselves as a whole, as American business men, and to teach us to respect our calling in life by showing us public opinion of horticultural achievements.

I look forward to the day when we shall be in reality not a society of florists, but an organization of florists with serious intent and business betterment the sole interest, and with such a spirit we will have the co-operation, not of one florist out of ten, but of the entire profession. There are, of course, features in every exhibition that are wholly trade features, but they all have instructive value and more instructive to the public than to the profession. Any flower show properly advertised, educates the public to the flower industry and anyone who fails to support the next National Flower Show in the Grand Central Palace, New York, will be doing himself and his profession an injustice and deserves to lose his share of the benefits which must result to the business as a whole. It is up to the newspapers to make or break this show financially, but aside from the financial end, they will be doing a great injustice to the people of the country as a whole, if they do not give an educational exhibit of this character all the prominence it deserves. It is one of the many unexplainable things that newspapers crave to give the American people glowing accounts of insignificant celebrations and scandal and fail to give prominence to that which is not only interesting to many, but instructive to all.

This brings us to the question: Are we putting the material before them in such shape that it can be used? We certainly are not. What then, is the solution? At the last convention in Chicago, a motion was passed providing for a publicity committee of the Society of American Florists, and there is reason to believe that at the call of President Farquhar, there will be a meeting in connection with the National Flower Show, and that a resolution will be drawn up to present to the Society in convention at Minneapolis to have the society appropriate annually for a term of years a sum large enough to insure a fitting start for this work. The balance of the necessary funds must come from the florists' clubs and private individuals. No man can head a publicity bureau who does not have his entire time devoted to it, and be successful and accomplish the purpose. No man can be obtained to fill this position for a small salary. It takes money to make it go. Would not the

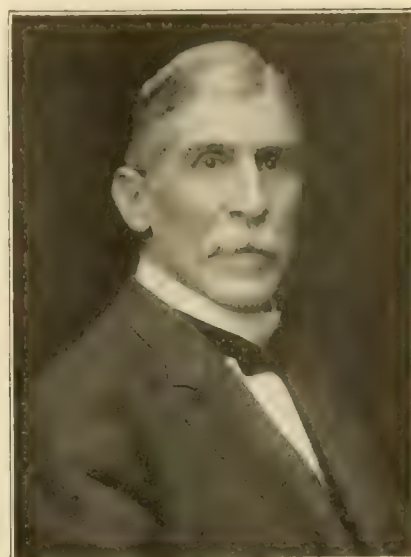
PITTSBURG FLORISTS' CLUB OFFICERS-ELECT.



T. P. Langhans, Treasurer.



Neil McCallum, President.



E. C. Reineman, Vice-President.

S. A. F., with its \$3.00 a year membership, be doing the right thing to make it a business organization if every florist in the country could become a member on the grounds that two-thirds of his yearly donation would be used to advance his profession and benefit his business? I believe so, and that properly canvassed, they could be induced to join.

Then a publicity bureau could have a chance to become a power and a few of the good things it could do would be the dissemination to the papers of proper information relating to flowers and plants; it could teach the public what flowers are used for and how; bring to public notice special flower days and make them national; teach the florist how to properly conduct his local advertising; show political parties that a flower is an appropriate party emblem; bring pressure to bear on the government to teach home beautifying, to enhance value as well as to improve the farm land; assist magazines of national scope to obtain articles that relate to flowers; aid in advertising national flower shows; teach the people that the parks are their property and their gardens, and instill in them local pride in their parks and its flowers; make our big days like Memorial Day national in their scope, and teach some sections of the country that flowers at Easter are a necessity as they are in the East. Perhaps I am painting this too rosy, but it is worth the thought.

We want co-operation rather than competition, and unless we have it there will be more florists selling their own product direct to the real market, and that is—the people. Consider the possibilities of the parcel post and the demand that has come from the people. "Buy from the producer," is the watch-word of modern times, and they are doing it more and more in every line of business. It is to be regretted that plants are not included under parcel post rates as well as cut flowers. Consider the possibility of an organization of growers with a chain of stores, spending the money they are now paying for commissions, in proper publicity and advertising,



H. P. Joslin, Secretary.



P. S. Randolph, Executive Committee.

catering to the people direct, bidding for parcel post shipments to be made direct from the greenhouses. This class of business would be a big feature. The people enjoy buying from the real source of supply and they like to buy direct from the greenhouse as experience has proved. Parcel post has aided in making such an arrangement possible.

I tell you, gentlemen, we are all in the same boat. We do not want competition. We want co-operation; but unless there is co-operation of retailers, wholesalers and growers, there will be competition and plenty of it. Some of us may then realize that we allowed the goose that lays the golden eggs to starve to death for lack of business sense.

A link in the chain that binds us all together is the local florists' club. It is to be hoped that the Florists' Club of Philadelphia has proved this to the local people, that the flower business in Philadelphia is on the level, that it has educated them to the fact that you are producing for them the best products of American floriculture, that you have made Philadelphia and the state of Pennsylvania proud of its flowers. If not, your mission has not been accomplished, but you have the foundation to work with right here in the club. Every dollar that you spend collectively to boom your business and put it before the public in its true light, will come back to you individually many times over. You have a new organization here in Philadelphia, the Retail Florists' Association. Let us hope that it will be conducted as an organization of business men, in sympathy with the grower and his problems, willing to meet with you, becoming part of your organization, aid in solving the problem of getting flowers to the real market—the people.

I am not under the impression that this talk to you tonight is going to be a heal-all, that everything will follow the course I have mapped out, but if it gives you the basis for thought and aids in strengthening the bond of fellowship, and helps to impress on you the fact that our interests are mutual, I shall be satisfied.

Plant Introduction.

An article on "Plant Introduction for the Plant Breeder," by David Fairchild, has been reprinted from the Department of Agriculture's Yearbook for 1911. "It is now nearly two centuries," says Mr. Fairchild, "since the first successful attempt to hybridize plants was made by an English gardener. This seems a long time if measured in the terms of mechanical invention, but when it is remembered that with most plants such a cross as that first one produced can be made only once a year, the accomplishments of plant hybridization appear truly remarkable. A mechanic makes a new machine and tests it at once; a plant breeder makes a new cross, but must wait for the following season, and if his plant is a tree or shrub he must wait for many seasons before he knows whether he has obtained from his cross something worthless or a new hybrid which is an improvement over that which the world already has."

The practical value of plant breeding and the influence of new environment are treated fully by Mr. Fairchild, who speaks hopefully of the expected results from the introduction of hardy wild stock from Asia and elsewhere. The crossing of these with native stock is expected to produce hardier plants and an improved fruit.

"Eighty years ago the way in which plants were built up was so imperfectly understood, says Mr. Fairchild, that the cell organ called the nucleus, which has come to play such an important role in plant hybridization, had not been discovered; while the presence of a definite mechanism by which the matter that is transmitted from parent to offspring is divided and redivided until every cell in the entire body of the offspring has received a portion of the substance of the parent was not so much as even suspected.

"The influence which the introduction of a single new species may some-

times have on the creation of a whole range of new varieties is nowhere more strikingly demonstrated than in the case of the introduction of the Bengal rose into Europe. As Viviani-Morel remarks in his article on the hybridization of the genus *rosa*:

"The changes that upset the genus *rosa* were contemporary, or nearly so, with the French Revolution. It was about this time, in fact, that there was introduced into cultivation the rose called the Bengal, which transformed the genus and altered it from top to bottom."

"According to the English gardener, Philip Miller, who wrote in the eighteenth century, there were only 30 varieties of double roses in cultivation in his time. Compare this number with

the 2,000 or more of today. What has been done with the rose probably can be done in greater or lesser measure with many of our other cultivated plants.

"In other words, plant breeding is now on the very borderland of our knowledge of the microscopic structure and chemistry of proto-plasm on the one hand and touches the great commercial interests on the other, and therefore its study has all the fascination of true research which is stimulated by the quick utilization of newly discovered facts."

New York and New Jersey Plant Growers.

The fifth annual dinner of the New York and New Jersey Association of Plant Growers was held Wednesday evening, January 29, 1913, at Louis Martin's, Broadway and Forty-second street, New York. It was the largest in the history of the association and declared to be the most successful one. The table was arranged in the shape of a horseshoe and was beautifully decorated with smilax, orchids, roses, carnations, alpine violets, etc., and when occupied by the guests made a pleasing spectacle. Louis Dupuy, the president of the association, acted as toastmaster and after the dinner had been served he introduced the following speakers: J. K. M. L. Farquhar, of Boston, president of S. A. F.; Thomas Roland, Nahant, Mass.; William H. Siebrecht, president of New York Florists' Club, and F. B. Pier-son, Tarrytown, N. Y.

The president then addressed Wm. H. Siebrecht, Jr., the secretary of the association, and stated that the association appreciated his efforts in making the dinner a success and as a token of esteem presented him with a watch fob and locket studded with an immense diamond. It was a total surprise to the secretary and in accepting it he thanked the members and stated that he had done only that which he considered was his duty. After the



W. A. Clarke.
Assistant Secretary Pittsburg Florists' Club.



FIFTH ANNUAL DINNER OF THE NEW YORK AND NEW JERSEY ASSOCIATION OF PLANT GROWERS AT NEW YORK CITY.



THE NEW GRAND CENTRAL PALACE, LEXINGTON AVENUE, NEW YORK.

Where the Third International Flower Show Will Be Held, April 5-12, 1913.

speaking was over a varied vaudeville programme was enjoyed until a late hour. Miss Louise Dupuy, daughter of the president, took her place at the piano and rendered several operatic selections which were thoroughly enjoyed and appreciated. John Donaldson, of Elmhurst, L. I., vice-president of the New York Florists' Club, entertained the guests by executing a turkey-trot with Miss Del Monte, and was warmly applauded. The committee who made this dinner an unqualified success consisted of Julius Roehrs, Jr., Alfred L. Zeller and Herman Schoelzel.

BIRMINGHAM, ALA.—Otto Horst is building a greenhouse 25x100 feet.

WASHINGTON, D. C.—O. A. C. Oehmler, formerly with Gude Bros., has now a neat store of his own, on G near Fourteenth street, N. W. In addition to being a good designer and decorator, he is also secretary of the Washington Florists' Club.

International Flower Show.

GRAND CENTRAL PALACE, NEW YORK.

The Final Schedule of Prizes is now in course of distribution and copies of same may be had by anyone applying to John Young, secretary, 54 West 28th St., New York, or C. H. Totty, Madison, N. J., chairman of the National Flower Show Committee. It embraces forty pages and is believed to be the most comprehensive flower show schedule ever issued for any show in the world, catering, as it does, not only to the large grower, but to the private men and amateurs, and covering everything in the line of plants and cut flowers. It is gratifying to note that there are some twenty-seven contributing societies in conjunction with the S. A. F. & O. H. This will insure a unity of purpose such as has never before been manifest in American horticulture.

The amount of cash premiums is very large, and in addition there will be some thirty-five silver cups and about the same number of gold, silver and bronze medals to be competed for. Mr. Young has mailed a copy of the schedule to every member of the S. A. F. & O. H. The membership in the contributing societies will be reached through their secretaries. The local committee meets weekly and is holding frequent conferences with the management of the International Exposition Co., which is co-operating.

The feature program for the show, while not yet completed, will include free lectures to the public every afternoon and evening. President Farquhar of the S. A. F. & O. H., will speak on "Gardens of Japan." Otto Thilow, of Philadelphia will lecture on "A Trip through the Canadian Rockies." E. H. Wilson, of Boston, will speak on "Chinese Plants." F. W. Brown, of

Buffalo, has kindly consented to give his ideas on "Floral Arrangement and Art." R. F. Felton, of London, Eng., it is also hoped will speak on "Floral Decorations as used at the British Court." Other well known lecturers will be Leonard Barron, of the Garden Magazine; Geo. V. Nash, of the New York Botanical Garden; J. H. McFarland, of the McFarland Publi-city Co., Harrisburg, Pa.; and Miss Beatrice Jones, of New York, the well known landscape artist. The lecture room, which is on the third floor of the Palace, will be used by members of the different societies for their meetings in the mornings; definite dates will be set for each society as soon as the program is properly arranged.

The board of jurors composed of about sixty well posted men in American horticulture, will work in conjunction with about a dozen European gentlemen, in order that the show may be judged expeditiously and the prizes all awarded before the building is opened to the public.

Arrangements are being made to have the music in keeping with the magnitude and importance of the event.

Some of the commercial firms think the price of 75 cents, \$1 and \$1.50 per foot (according to location), for space in the trade exhibition section is too high, but it must be remembered that conditions in New York are very different from those found in small towns. Mr. Young still has a few good locations for sale, and, as purely a business proposition anyone interested who does not have space in this show will surely regret the fact afterward. The building in which the show will be held (of which a very fine picture appears on the back of the Final Schedule of Prizes) rents for \$2,000 per day; the lighting and other essentials are additional items; and while the S. A. F. & O. H. has an agreement with the International Exposition Co. which relieves the Society of much direct responsibility, still it will have to be provided for. The cost of space, however, if any business man will sit down and conscientiously figure it out, is really very little, considering the fact that automobile shows in the same building rented their space for from \$3 to \$5 per foot; and also considering the fact that an exhibitor is putting his goods before the greatest buying public in the world. When one considers, too, that more than seventy-five thousand people passed through the gates at a local exhibition one Sunday, last Fall just to see a Chrysanthemum exhibition, the prospects for a record breaking attendance at the International Show look exceptionally bright.

The International Exposition Company, through its arrangement of the advertising agencies, will have an announcement of the show in all the surface, elevated and subway stations, and in this way it will come to the direct notice of over two million people a day, a great many of whom will be interested in the show.

It is expected that one day will be known as "Society Day," on which day the admission fee will be double that on ordinary days. This will be the big display day of the rose and carnation societies.

J. H. PEPPER,
Chairman Publicity Committee.

CHRYSANTHEMUMS

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Public notice is hereby given that Mrs. William S. Kimball, Rochester, N. Y., offers for registration the following new orchid. Any person objecting to the registration or to the use of the proposed name is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date:

RAISER'S DESCRIPTION.

The plant is a sport from the well-known *Cypripedium Harrisianum*, differing from the original as follows: The habit of the growth is short and compact and the plant is very floriferous. The leaves are much narrower and have a bright glossy surface. The flower scape is of greenish color, six to nine inches in height. The flower is of medium size, beautifully formed and of a light greenish color, slightly shaded, the staminoide being perfectly green. The name which I wish to give to the above described orchid is *Cypripedium Harrisianum* "Laura Mitchell Kimball."

Public notice is hereby given that the Richard Diener Co., Mountain View, Calif., offer for registration the following new geraniums. Any person objecting to the registration or to the use of the proposed names is requested to communicate with the secretary at once. Failing to receive objection to the registration the same will be made three weeks from this date:

RAISER'S DESCRIPTIONS.

Dr. Richard Behrend—Cherry crimson, single; diameter of flower, 2 3/4 inches; diameter of truss, 7 to 1 1/2 inches.

Jack London—Bright shaded red, single; diameter of flower, 3 inches; diameter of truss, 7 inches.

Julius Eberius—Dark cherry scarlet, single; diameter of flower, 3 inches; diameter of truss, 7 inches.

Dr. Lincoln Cothran—Rose-pink, semi-double; diameter of flower, 2 3/4 inches; diameter of truss, 6 inches.

Judge Lindsey—Coppery salmon, single; diameter of flower, 2 inches; diameter of truss, 7 inches.

Fresno—Light cherry scarlet, single; diameter of flower 2 3/4 inches; diameter of truss, 6 inches.

H. Plath—Fiery red, single; diameter of flower, 2 3/4 inches; diameter of truss, 6 inches.

Anna Eberius—Pale coral, single; diameter of flower, 2 1/2 inches; diameter of truss, 6 inches.

Palo Alto—Brownish red to ponceau, single; diameter of flower, 2 inches; diameter of truss, 6 inches.

Fire Ball—Bright scarlet, single; diameter of flower, 2 1/4 inches; diameter of truss, 7 inches.

Los Altos—Dark scarlet, single; diameter of flower, 2 inches; diameter of truss, 6 inches.

Florence Metzner—Dark cardinal, single; diameter of flower, 2 inches; diameter of truss, 7 inches.

Mrs. Edward Stock—Shaded rose pink, single; diameter of flower, 2 inches; diameter of truss, 6 inches.

La Paloma—Snow white, single; diameter of flower, 2 inches; diameter of truss, 6 inches.

Tamalpais—Cherry red, single; diameter of flower, 2 inches; diameter of truss, 6 inches.

J. Stitt Wilson—Orange flame, single; diameter of flower, 3 inches; diameter of truss, 7 inches.

Ramona—Salmon pink, single; diameter of flower, 2 1/4 inches; diameter of truss, 8 inches.

Fire King—Fiery orange, single; diameter of flower, 2 inches; diameter of truss, 6 inches.

Sacramento—Orange flame, single; diameter of flower, 3 inches; diameter of truss, 6 inches.

Luisa Tetrastini—Pure white, single; diameter of flower, 2 inches; diameter of truss, 6 inches.

Mt. Shasta—Snow white, single; diameter of flower, 3 inches; diameter of truss, 7 inches.

Rosea—Coral pink, single; diameter of flower, 3 inches; diameter of truss, 7 inches.

Tacoma—Deep salmon pink, single; diameter of flower, 2 1/2 inches; diameter of truss, 6 inches.

Hawaii—Fiery orange, single; diameter of flower, 2 inches; diameter of truss, 6 inches.

Mary Garden—Salmon to light rose pink, single; diameter of flower, 2 inches; diameter of truss, 6 inches.

Mayor Rolph—Cherry scarlet, single; diameter of flower, 2 inches; diameter of truss, 7 inches.

Governor Johnson—Orange scarlet, single; diameter of flower, 3 inches; diameter of truss, 7 inches.

Gifford Pinchot—Burnt orange and crimson, single; diameter of flower, 2 inches; diameter of truss, 6 inches.

Gertrude Atherton—White and salmon pink, single; diameter of flower, 2 1/4 inches; diameter of truss, 6 inches.

Richard Diener—Dark rose-pink, single and semi-double; diameter of flower, 3 inches; diameter of truss, 7 inches.

Mt. Hamilton—Apple blossom pink, single; diameter of flower, 2 inches; diameter of truss, 6 inches.

Alviso—White to light pink, single; diameter of flower, 2 inches; diameter of truss, 6 inches.

Sunnyvale—Deep salmon, single; diameter of flower, 2 1/4 inches; diameter of truss, 6 inches.

Snow Bird—Snow white, single; diameter of flower, 2 3/4 inches; diameter of truss, 6 inches.

Gilroy—Carmine and scarlet, single; diameter of flower, 2 inches; diameter of truss, 6 inches.

Tivoli—White and shaded crimson, single; diameter of flower, 2 inches; diameter of truss, 6 inches.

White Beauty—White and light pink, single; diameter of flower, 2 inches; diameter of truss, 6 inches.

Billie Burke—Dark shrimp pink, single; diameter of flower, 2 inches; diameter of truss, 6 inches.

Fritzi Scheff—Shaded rose and salmon, single; diameter of flower, 2 inches; diameter of truss, 6 inches.

Philadelphia Florists' Club.

The February meeting of the Philadelphia Florists' Club was a record-breaker in point of attendance. The feature was the paper of Wallace Pierson, Cromwell, Conn., on "The Florist and His Market." It was a splendid essay and like all of Mr. Pierson's work it showed him to be thoroughly up to date and an earnest worker for the welfare of the business. It will be read with great interest by the trade generally all over the country, as he has touched on a subject of general interest. John Young, secretary of the S. A. F., made an address, speaking of the great exhibition to be held in New York in April and predicting great success for it. He also praised the work of Vice-President Wirth of Minneapolis, Minn., and the great work he is doing in preparation for the coming convention of the S. A. F.

Charles Totty, Madison, N. J., was full of the coming International Flower Show in New York. He was pleased

to see so much interest being taken by the trade here and predicted that it would be the greatest and most complete horticultural exhibition ever held in any country. M. C. Ebel of the Aphine Manufacturing Co., also addressed the club on publicity in the flower business and thought that great good would come from it. The Retail Florists' Association was accorded the use of the club room for a general publicity meeting to include all branches of the trade to set on foot a bona fide movement that is expected to have something more than mere promises and hopes for results. Every effort will be made to get all interests together and give the publicity cause such a boost that it will never stop. Very interesting remarks were made by Robert Craig, A. Farenwald, Charles Fox, John Gracey, President Thilow and others. K.

Washington.

GOOD STOCK SCARCE.

Business keeps up very well, but good stock is not over plentiful. Good roses are very scarce. American Beauties are in very short supply. Carnations are coming in fairly well. Snapdragon and bulbous stock are plentiful with a ready sale for all. The florists all report a very good trade.

NOTES.

The florists' bowling team has entered the city tournament and they would like to have a few of the club out to see them the night they bowl.

The next club meeting will be election night. There will be a number of candidates for the presidency.

J. H. Small & Sons have had some very pretty table decorations of late. In one of them the centerpiece was an old-fashioned bouquet over four feet high with old-fashioned bouquets laid on the cloth for the ladies.

Geo. H. Cooke had a very pretty window of farleyense, pink pearl and white lilac with some very fine wall flowers in vases. Mr. Cooke is kept very busy just now with plenty of table decorations.

Geo. Shaffer is well pleased with the new store. He reports business very good.

Z. D. Blackstone is not saying much but you can always find his force on the move. G. C. D.

Baltimore.

The Gardeners and Florists' Club has called a meeting for February 10 to appoint a committee to wait on the legislature and ask for an appropriation for a horticultural hall. Flower shows heretofore have been held at the Fifth Regiment Armory, but owing to the atmosphere it has been impossible to keep the flowers alive for any length of time. The Maryland Horticultural Society promises its assistance in furthering the project. Among those who spoke in favor of the hall at a recent meeting were: Geo. M. Morrison, former president of the Maryland Horticultural Society; Wm. Christie, president of the Gardeners and Florists' Club; Isaac H. Moss, vice-president of the Maryland Horticultural Society.

TOPPENISH, WASH.—F. A. Wiggins, sales manager of the Washington Nursery Co. and a member of the city council, has been chosen city purchasing officer.

NORTH YAKIMA, WASH.—The attendance at the convention of the Washington Horticultural Association reached 700 on January 16 and much enthusiasm was awakened.

New Orleans.

MARDI GRAS FLOWERS.

There was a big demand for orchids, lily of the valley, pink roses, carnations, violets and daffodils for the annual Mardi Gras festivities. There was little call for American Beauty roses. Corsage bouquets of violets and jonquils were very popular and there were large sales of these flowers. Carnival dinner and luncheon decorations were more elaborate than ever, all sorts of flowers and decorative plants being used. American Beauty roses sold at from \$3 to \$10 for the best, and best Killarneys at \$2 to \$3. Carnations brought from 75 cents to \$1.50. Parma violets were not in demand, the local dark blue variety being preferred.

Flowers for King Rex included daffodils, violets and smilax in a large bou-



The Late Fred. C. Schmeling.

quet tied with green, yellow and purple carnival ribbons. The bouquet is carried by the king and presented to the queen on arrival at the king's club. The king furnishes the flowers for the ball. The queen carried an arm bouquet of orchids and lily of the valley, her maids carrying American Beauty rose bouquets; all tied with carnival ribbons.

Imported carnations were very good, but out-of-town roses and other flowers were high priced and of very poor quality. All roses were off color and the stems were weak. There were many poor shipments of imported stock.

Chinese Agricultural Department.

The Republic of China has established a Department of Agriculture and Forestry on modern lines, and this institution has begun publishing an agricultural journal (all in Chinese), which appears three times a month. It is understood that a national meteorological service will be established as a branch of this department, and that it will be under the direction of Dr. Hing Kwai Fung, who was educated at Cornell University, and who for a year past has been attached to the Bureau of Plant Industry in Washington as an agricultural expert. Dr. Fung has started for China by way of Europe, where he will make a round of visits to meteorological observatories. —Scientific American.

OBITUARY.

A. H. Schuermann.

A. H. Schuermann, 61 years old, a dealer in flowers and plants, died of heart disease, Wednesday, January 29, at his home, 1439 E. Grand avenue, St. Louis, Mo. He was well known in the trade. He did the art work of over one-third of the buildings at the World's Fair in 1904. He executed the decorated bamboo work on the buildings of the Philippine reservation and after the fair he was presented with 10 carloads of bamboo. He made pipes and beer steins out of the bamboo. He fashioned the decorations for the Veiled Prophet's ball, the St. Louis horse show and the Alps at the fair. Mr. Schuermann was born at Mella, Germany. He leaves a wife and three children.

Fred C. Schmeling.

Fred C. Schmeling, one of the oldest and best known florists of Milwaukee, Wis., died Friday morning, January 31, after an illness of four weeks. Mr. Schmeling had been in the flower business for thirty-five years, twenty-eight of which he had grown his own stock. He was born May 22, 1861, and was therefore not quite 52 years old. Besides the many friends who mourn his loss, Mr. Schmeling leaves a widow and five children. The funeral was held February 3. The floral designs were many and beautiful.

G. T. Cerdua.

Gustave Theodore Cerdua, 83 years old, for nearly forty years a florist in Orange, N. J., died at his home, 46 Hillyer Street, January 27. For a number of years he had practically retired from business, but was well known and highly respected by all the older residents of Orange, as well as the older florists of New York city, where in his younger years he worked as a journeyman grower.

A. F. F.

Harley M. Walbridge.

Harley M. Walbridge, who for the last 18 months had been in charge of the wholesale store of the J. M. Gasser Co., Cleveland, O., died January 31. Death was the result of pleural pneumonia and came after a short illness at the home of Mr. Walbridge's parents, Hornell, N. Y.

Prof. T. V. Munson.

Prof. T. V. Munson, well known as a nurseryman, died at Dennison, Tex., January 21. He had written several books on grape culture and was decorated by the German emperor for discovery of a preventive of a worm disease that was killing grape vines.

GRAND RAPIDS, MICH.—H. W. Allerson will build an addition to his greenhouse to cost \$2000.

RALEIGH, N. C.—The State Forestry Association met here in annual convention, January 16.

LANSING, MICH.—The city council is considering the project of establishing a municipal greenhouse.

OAKLAND, CAL.—Rosco Savagni has been issued a permit to build a greenhouse on E street, near Eighty-eighth avenue.

BOISE, IDAHO.—The semi-annual meeting of the Idaho State Nurserymen's Association was held here January 24-25.

SAGINAW, MICH.—The Saginaw Flower Shop will open at 115 South Franklin street on February 8 with W. S. Bell, formerly of Chicago, in charge.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.
From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 56 PAGES WITH COVER

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RENEW subscriptions promptly so that no copies of the paper may be missed.

Personal.

Elmer D. Smith and wife, Adrian, Mich., are making preparations to visit Florida and other southern points this winter.

Rose Mrs. Chas. Russell in London.

Rose Mrs. Chas. Russell, Alexander Montgomery's wonderful new variety, was exhibited before the Royal Horticultural Society, London, January 25, and attracted much attention. The flowers were shipped from New York and were two weeks on the way, arriving in fairly good condition and received the society's much coveted award of merit.

McKinley Day Waning.

McKinley day as a flower factor appears to be decidedly on the wane, notwithstanding the fact that the trade has made heroic efforts to keep it alive. In Washington, D. C., we note that a number of the florists combined in special half-page advertisements in the local newspapers, including Geo. C. Shaffer, Gude Bros. Co., O. A. Oehmler, Z. D. Blackistone and J. H. Small & Sons, Inc., but we fear no amount of advertising can revive the special use of carnations or other flowers on this day.

Local Advertising.

Knoble Bros., Cleveland, O., had a full-page advertisement in colors in the Plain Dealer of January 19. Besides an attractive border this advertisement contained considerable reading matter under the heading of "To Cleveland—Flowers" with the following sub-heads: "As near to you as the nearest phone," "Cleveland productions far surpassed," "Cut flowers, foliage and blooming plants," "Decorations and social functions," "Flowers for Funerals," "The story of a flower as told by Knoble Brothers," "The carnation," "The chrysanthemum" and "Violets." This looks to us like good advertising.

Gladiolus Society of Ohio.

At a meeting of gladiolus growers at Cleveland, February 1, 1913, in response to a call, the Gladiolus Society of Ohio was organized, a constitution adopted and officers elected as follows: C. Betscher, Canal Dover, president; Mrs. A. H. Austin, Wayland, vice-president; Wilbur A. Christy, Warren, secretary-treasurer. An executive committee was also ordered, consisting of—Allford, M. Crawford, Cuyahoga Falls, and R. E. Huntington, Painesville. Other committees were also named and the society is ready for business. The membership is not to be confined exclusively to Ohio, as the name might seem to indicate, and the society hopes to co-operate in a friendly way with other organizations of similar purpose, in testing and exhibiting varieties of its specialty.

WILBUR A. CHRISTY, Sec'y.

Society of American Florists.

President Farquhar has made the following appointments:

STATE VICE-PRESIDENTS.

Ala.—W. B. Paterson, Jr., Montgomery. Calif. (North)—D. MacRorie, S. Fran. Calif. (South)—C. Shaw, Los Angeles. Colo.—C. U. Fohn, Colorado Springs. Conn.—Wallace R. Pierson, Cromwell. D. of Columbia—F. H. Kramer, Wash. Florida—C. D. Mills, Jacksonville. Georgia—John Wolf, Savannah. Ill. (North)—F. Lautenschlager, Chi. Ill. (S.)—F. L. Washburn, Bloom'g't'n. Indiana (N.)—J. S. Stuart, Anderson. Indiana (S.)—Jos. H. Hill, Richmond. Iowa—James S. Wilson, Des Moines. Kansas—Harry S. Mueller, Wichita. Kentucky—F. L. Schultz, Louisville. Louisiana—H. Papworth, New Orleans. Maine—Chas. S. Strout, Biddeford. Md. (S.)—R. E. Graham, Baltimore. Md. (N.)—R. A. Vincent, White M'sh. Mass. (East)—Wm. P. Edgar. Mass. (West)—Prof. E. A. White. Mich. (East)—A. Pochelon, Detroit. Mich. (West)—E. D. Smith, Adrian. Minn.—Elof P. Holm, St. Paul. Mo. (East)—F. H. Weber, St. Louis. Mo. (West)—Miss M. Hayden, K. C.

Miss.—S. W. Crowell, Rich. Mont.—T. E. Mills, Helena. Neb.—Louis Henderson, Omaha. N. Hamp.—Geo. E. Buxton, Nashua. N. J. (North)—J. Manda, W. Orange. N. J. (S.)—G. A. Strohelein, Riverton. N. Y. (E.)—J. McHutchison, New York. N. Y. (W.)—Geo. B. Hart, Rochester. N. Car.—S. Albert Starr, Goldsboro. Ohio (N.)—Chas. Graham, Cleveland. Ohio (S.)—J. C. McCullough, Cincin. Okla.—Geo. Stiles, Oklahoma City. Oregon—James Forbes, Portland. Pa. (East)—David Rust, Philadelphia. Pa. (West)—S. McClements, Pittsburg. R. I.—L. J. Reuter, Westerly. S. Car.—C. A. Moss, Spartanburg. S. Dak.—E. C. Newbury, Mitchell. Tenn.—C. L. Baum, Knoxville. Texas—Alex. Millar, Dallas. Vermont—C. E. Cove, Burlington. Virginia—H. Brown, Richmond. W. Va.—C. P. Dudley, Parkersburg. Wash.—Amy L. Lambly, Spokane. Wis.—William Currie, Milwaukee. Utah—A. J. Alt, Salt Lake City.

Canada—Alberta, A. M. Tirrell, Calgary; Manitoba, H. E. Philpott, Winnipeg; Ontario, H. Dilleuth, King St. East, Toronto; Quebec, Geo. A. Robinson, Montreal.

Other officers are—Botanist, Prof. A. C. Beal, Ithaca, N. Y.; Pathologist, Prof. H. H. Whetzel, Ithaca, N. Y.; Entomologist, Prof. Thos. B. Symons, College Park, Md.; Washington representative of the Society, Wm. F. Gude, Washington, D. C.

Committee on School Gardens—Benjamin Hammond, Fishkill-on-Hudson, N. Y., Chairman; C. B. Whitnall, Milwaukee, Wis.; Robert Craig, Philadelphia, Pa.; Michael Barker, Chicago, Ill.; F. R. Pierson, Tarrytown, N. Y.

President Farquhar has called a meeting of the Board of Directors for February 25, at 10 a. m., at the Hotel Radisson, Minneapolis, Minn.

JOHN YOUNG, Sec'y.

Piping Greenhouses.

ED. AMERICAN FLORIST:

Please state how much piping will be required for a house of the following dimensions: 40x200 feet, six feet at the eaves, two glass gables, one side 48-inch glass, other side about 24-inch glass and balance of side to abutt on the side of a present house. Glass all to be abutted. Hot water to be used for heating. No larger than 3-inch pipe for the flows to be used. To be heated to 60 degrees at 25 degrees below zero. F. B.

British Columbia.

The amount of radiation required in a house 40x200 feet at 25 degrees below zero will depend somewhat upon the duration of such an extreme temperature, as, if it lasts only a few days, it will be possible, by a little extra attention to the firing, to maintain the desired temperature in the house, even though the amount of radiation is considerably less than would be considered necessary when the cold periods are of long duration. Thus, while it might be possible to heat the above described house by using five 3-inch flow pipes and twenty 2-inch returns, it might be more economical of fuel and labor if as many as 25 returns are used.

One of the flows can be on each wall plate, another under the ridge and the other two under the purlins or upon the purlin posts if such are used. Each flow pipe will then connect with four or five of the returns, which should be under the benches, or in the walk if solid beds are used. In order to keep up the temperature at the ends of the house drop down a three-inch pipe from the end of the middle flow pipe and carry two or three 2-inch return pipes in either direction across the end of the house, and along the walls back to the boiler.

Meetings Next Week.

Baltimore, Md., February 10, 8 p. m.—Gardeners and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.
Butte, Mont., February 14.—Montana Florists' Club, Columbia Gardens.

Chicago, February 12.—Gardeners and Florists' Union No. 10615, 230 North Clark street.
Cincinnati, O., February 10, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., February 10, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Hartford, Conn., February 14, 8 p. m.—Connecticut Horticultural Society, County building.

Lake Geneva, Wis., February 15, 8 p. m.—Lake Geneva Gardeners and Foremen's Association, Horticultural hall.

Madison, N. J., February 12, 8 p. m.—Morris County Gardeners and Florists' Society, Musson hall.

New Orleans, La., February 10, 2 p. m.—Gardeners' Mutual Protective Association, 114 Exchange alley.

New York, February 10, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

New York, February 10, 4:30 p. m.—Horticultural Society of New York, American Museum of Natural History.

Omaha, Neb., February 13, 8 p. m.—Omaha Florists' Club, City hall.

Rochester, N. Y., February 10, 8 p. m.—Rochester Florists' Association, 97 Main street.

Springfield, O., February 10.—Springfield Florists' Club.

St. Louis, Mo., February 13, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.

Toledo, O., February 12.—Toledo Florists' Club.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Single, Age 18. Assistant in private or commercial place. Good references Address, Key 780, care American Florist.

Situation Wanted—By a widely experienced florist; age, twenty-six; single. Kindly state full particulars in first letter. Address, E. F. ADAMS, Poughkeepsie, N. Y.

Situation Wanted—By a first class grower of all around greenhouse stock; also good designer; 17 years experience; age 33.

Address Key 781, care American Florist.

Help Wanted—Florist for propagating house, also another man for general florist work.
IOWA SEED CO. Des Moines, Iowa.

Help Wanted—Competent, experienced vegetable gardener, single, on gentleman's farm. State references and wages. Box 270, Hinsdale, Ill.

Help Wanted—A bookkeeper who has had experience in bookkeeping in a florist's store. Address A. F. F., care American Florist, 124 East 24th Street, New York.

Help Wanted—Good rose grower and stock for retail trade; 75,000 sq. ft. of glass; must be married man; permanent position for right party. GRAND RAPIDS FLORAL CO., Grand Rapids, Mich.

Help Wanted—Experienced grower of Killarneys and Wards; \$50 per month and board and lodging; must furnish good references. Apply
WRIGHT'S FLOWER SHOP,
224 West 4th St., Los Angeles, Calif.

Help Wanted—A competent grower of general stock on commercial place in Texas. Must be good designer, well up on Carnations, Roses and Mums, not afraid of work, honest and reliable, to start January or February 1st. Wages \$50.00 and Room. THE NUSSHAUMER FLORAL CO.,
San Angelo, Texas.

For Rent—55 East Chicago Avenue, Chicago, half of store. Suitable for florist. In fine neighborhood. Apply 750 Rush Street.

For Sale or Lease—Greenhouse and florist's store; about 2000 feet of glass and 50 by 125 feet of ground. Established trade. Wish to retire.
1749 W. Huron St., Chicago.

For Sale—New Greenhouse with 11 acres of land located in a rich farming country and in county seat. Inquire of
FRANK A. WERBACH,
Cambridge, Ill.

For Sale—Half interest in a good paying Florist business, must be sold by March 1st. Other business cause of selling. Write immediately for particulars. Address, Key 765, care American Florist.

For Sale—Retail florist store at 4229 Broadway New York; good business attached; improving location; reason for selling eminently satisfactory; terms quite reasonable. Address
LE MOULT, 202 Bowery, New York.

For Sale—Greenhouses and interest in florist business. Place has 27,000 feet of glass; well stocked; located in state of Pennsylvania. Good chance for a young florist who can take charge. For particulars address Key 774 care American Florist.

For Sale—A good paying florist business, established over 15 years ago by present owner. 9,000 feet of glass with retail store. A good location in Chicago. Fine chance for the right party. Death in the family reason for selling. For further particulars, address, Key 766, care American Florist.

For Sale—Best chance on Pacific Coast for a man to get a good business cheap. Will explain in letter why I am sacrificing my greenhouse stock for \$800.00, including horse, wagon, stock and utensils. Lease for greenhouses, 20 acres of land tenure, and outbuildings, \$225.00 per year. 20 minutes ride on electric to heart of business center; population, 100,000. Address,
Key 79, care American Florist.

Wanted—Active partner in established wholesale business on Pacific Coast. Exceptional opportunity for development. Energy and push necessary; also sober; must invest \$1,000. Address, giving experience and for further information, Key 775, care American Florist.

WANTED

Rose grower to work under foreman in a large range of houses in Minnesota; \$15.00 per week to start; state experience and reference in first letter. Address

Key 777, care American Florist.

Situation Wanted.

Good Storeman, formerly with Thorley of New York, is in Chicago seeking employment. For interview address,

Key 778, care American Florist.

Catalogs Wanted.

Catalogs and price lists of all sorts of flowers, bulbs and plants used in landscape gardening.

John Kilgour, Hyde Park,
Cincinnati, Ohio.

Grower Wanted

A good all around cut flower man to take charge of a plant near Chicago. Give full particulars and state salary wanted in first letter.

Key 773 care American Florist.

FOR SALE.

3,000 lights, 14x20 inches, double thick, plain American glass, second hand.

9,000 lights, 10x18 inches, double thick, plain American glass, second hand.

700 lights, 15x20 inches, double thick, plain American glass, second hand.

14 Evans Challenge ventilating machines with arms and pipe complete for 100 ft. houses or longer

E. A. KANST, 5329 Ellis Ave., CHICAGO, ILL
Telephone, Hyde Park 1844.

Seedsman Wanted.

\$3,500 to \$5,000 a year to the right man who can take full management of a large branch Seed House to be opened at some central jobbing point, probably Chicago. Should be experienced on the road, know the general Seed Trade, be able to handle traveling men and all correspondence, and take entire charge; prefer man now with some good company, but who is free of any contract. All correspondence strictly confidential, and if you are not the man we want, your application will be immediately destroyed. Address,

Key 776, care American Florist.

OFFICIAL S. A. F.

Shipping Labels

Actual size of leaf 2 3/4 x 5 1/4 inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.

440 Dearborn St., CHICAGO.

Always mention The American Florist when you order stock. : : :

IF your Easter Stock is right, advertise it now. There is much inquiry as to who can fill the orders this early season and the early advertisement gets there.

1892-1913

Boston Flower Exchange, Inc.

OPEN THEIR

New Flower Market

In the heart of the Wholesale Flower District,

CORNER OTIS STREET and WINTHROP SQUARE, Between SUMMER and FRANKLIN STREETS, BOSTON, MASS., FEBRUARY 15, 1913,

WITH A

RECEPTION and FLOWER SHOW

CORDIAL INVITATION EXTENDED TO ALL.

Exhibits or undisseminated varieties of Carnations, Roses or Plants solicited. If exhibitor is unable to be present, send to **FLOWER SHOW, No. 1 and 3 Winthrop Square, Boston, Mass.,** in care of any of the following Committees:

CARNATIONS.

E. ALLAN PEIRCE
WM. NICHOLSON
S. J. GODDARD
PETER FISHER
M. A. PATTEN

ROSES.

ALEX. MONTGOMERY
EBER HOLMES
WM. McALPINE

PLANTS, ETC.

THOS. ROLAND
A. CHRISTENSEN
LESTER MANN
A. PARKER
HERMAN BARTSCH

E. ALLAN PEIRCE, Chairman, Waltham, Mass.

Boston Flower Exchange.

An event of more than usual importance in the trade will take place February 15, when the Boston Flower Exchange, Inc., will hold an opening reception and exhibition at its market, in the heart of the wholesale district, Otis street and Winthrop square, Boston, Mass. The necessary alterations are nearly completed and the quarters will be all shipshape when the opening occurs. Exhibits are invited and the show is expected to bring out some of more than ordinary merit.

The Boston Flower Exchange was established in 1892 under the name of the Boston Co-operative Flower Growers' Association, their first market being under the old Horticultural Hall, Bromfield street. Within a year this proved entirely too small and the market was moved to Tremont and Park streets, under the Park Street church, where it remained until the present time with the exception of one year, when it occupied a location on Columbus avenue. Dissatisfaction among the members led to the organization of a rival company and the Exchange was moved back to its Park street quarters.

The Boston Flower Exchange was the pioneer cooperative flower market in the United States, the sale of flowers being restricted to the producer, who himself or through an agent sells direct to the store-keeper or wholesaler. In 1910, under the leadership of E. Allan Peirce, of Peirce Bros., Waltham, Mass., the market was reorganized as a stock company with \$20,000 capital, \$10,000 of which was paid in. The surplus accumulated in three years amounted to more than \$10,000, giving the company a financial strength sufficient to grasp the opportunity of moving to one of the best locations possible for a wholesale flower market. The headquarters included a ground floor and basement with more than

22,000 feet of floor space. It is in the heart of the business district and near all railway stations, express offices, etc. Boston's oldest wholesale florists, Welch Bros., are located in this square and N. F. McCarthy & Co., the next oldest firm, are located directly across the street from the new market. In the 21 years since the Flower Exchange was established, only one addition in the wholesale trade has been added in Boston. This is Henry F. Robinson & Co. A large part of the business is handled by the grower himself, eliminating the middleman's profit almost entirely.

The first floor of this market will be divided into 200 stalls, each three feet and six inches by four feet. There will be four large ice chests, also offices, etc. Seven telephones are distributed over the floor. The basement, which contains 12,000 square feet and is well lighted, will be sublet to some of the larger florists and dealers in supplies. It is hoped that anyone in the country who has a flower or plant he wishes to introduce to the New England trade will make a special effort to send it to the show.

E. Allan Peirce is chairman of the flower show committee and other members well known throughout the country are members of the various committees as follows:

Arrangements—William Stickle, Eber Holmes, George Cartwright, Andrew Christensen.

Roses—Alexander Montgomery, Eber Holmes, Wm. McAlpine.

Entertainment—S. J. Goddard, William R. Nicholson, Wm. Hastings.

Carnations—Wm. Nicholson, M. A. Patton, Peter Fisher, S. J. Goddard, E. Allan Peirce.

Plants, etc.—Lester Mann, A. Parker, Andrew Christensen, Thomas Roland, Herman Bartsch.

The officers of the organization are: Wm. Stickle, president; Wm. Nichol-

son, vice-president; Geo. Cartwright, secretary and treasurer. The directors are Alexander Montgomery, Lester Mann, E. Allan Peirce, Andrew Christensen, S. J. Goodard and A. Parker.

Cleveland.

TOO MUCH BULBOUS STOCK.

The local market is pretty well loaded up with all the different varieties of bulb stock, which goes to prove that the bulb salesmen from over the water know how to sell their goods, as every year there are a few thousand dollars go to waste by reason of an over supply of such stock, and the American growers are the losers. The American Beauty and Richmond rose crop seems to be the shortest ever at this time of the year, both in the eastern and western markets. Pink and White Killarney are a lot more plentiful and yet they have cleaned up daily at fair prices. Aaron Wards are becoming a little more plentiful and orders are being filled more promptly. Carnations are increasing in supply every day, but a large percentage are "splits," which help to lower the price of these flowers in general. Sweet peas are short of the demand. Violets are selling fairly well. Valley is good and selling well at moderate prices. Orchids are in good supply and can be had at reasonable prices, and the blooms are of exceptionally good size and color. Easter and calla lilies are arriving in quantity now, with a fair demand. Purity freesia is good stock. Calandula is short of the demand, as is mignonette. Tulips, all colors; daffodils, single and double; jonquils, Paper Whites and Roman hyacinths, take up the most space on the tables of local wholesale houses. Greens of all kinds are plentiful. Boxwood is having a good call and stock is fine. Southern smilax can be had at any time. Pan-

PAPER SHELL PECAN ORCHARDS



Photograph taken in September 1912, of one of our "Nut Planted" Groves at Baconton, Ga. Trees budded in Spring of 1909.

Plan of Sale of the Jackson Pecan Groves

We offer these groves for sale under two plans. In either case the company continues to give the groves scientific care and cultivation for five years from date of contract, without expense or taxes to the purchaser.

Plan A. The purchaser is to pay the entire amount of the purchase price---ten per cent (10%) in cash the balance in sixty monthly installments, without interest---the purchaser to have all nuts grown on the tract from date of contract. **Price of 3-year-old groves under this plan cost only \$400 per acre.**

Plan B. The purchaser is to pay three-fifths of the purchase price---ten per cent (10%) in cash, the balance in sixty monthly installments, without interest. The company to have all nuts grown on the tract during the time the purchaser has to pay for it. **Our 3-year-old groves under this plan cost only \$300 per acre.**

Average Annual Income.

20 Trees to the Acre, 46 feet 8 inches apart, 50c per pound.

Age of Trees	Pounds Per Tree	Annual Income Per Tree	Annual Income Per Acre	Annual Income Per 5 Acre Tract
4 years		A few nuts		
5 "	5 pounds	\$ 2 50	\$ 50 00	\$ 250 00
6 "	10 "	5 00	100 00	500 00
7 "	20 "	10 00	200 00	1,000 00
8 "	40 "	20 00	400 00	2,000 00

The above estimate may seem large, but we will convince you that our experience has been better than this.

Why should you not own one of these premium bearing groves and receive an income that will increase each and every year for fifty years or more?

Write to-day for full particulars. Now only a few of these private groves left unsold.

L. A. TONNER

29 S. LaSalle St., (Room 424)

Care of Jackson Pecan Groves Co.

CHICAGO

sies are having a good call but the stems are rather short. String smilax for the church holidays during Lent will be in good supply.

NOTES.

"Uncle Mose" Cleveland has a flower show on all the time nowadays in Gordon Park, for the first show greenhouse has been completed. City Forester John Boddy announces the orchids are in full bloom. Until recently all city greenhouses have been propagating houses, where slips were prepared for outdoor planting. Gifts of tropical and show plants by several prominent and wealthy Clevelanders led to the building of a new structure.

Monday evening, February 10, will be novelty night at the rooms of the

local Florists' Club. Any grower who has something new, odd, or out of the ordinary in any way, is asked to bring it in and put it on exhibition. Luncheon and a good time go with it.

The Florists' Bowling Club has organized again, and all are welcome to witness these exhibitions, at which a good time is always had. Cash prizes for individual and team scores will make it interesting.

Greenhouse firemen still have a few more days to study up on their examination questions for a license, as the state examiner will soon be around. C. F. B.

SCRANTON, PA.—C. S. Weston, 624 Monroe avenue, is building a greenhouse at a cost of \$2,000.

WEST GROVE, PA.—The Conard & Jones Co. advertises goods for delivery by the parcel post.

GRAND RAPIDS, MICH.—H. D. Allersma will build a greenhouse at Benjamin avenue and Dunham street.

ROCHESTER, N. Y.—One of the greenhouses of the Webb Floral Co., used for palms, ferns and stock plants generally, was almost totally destroyed by fire early in January. The fire occurred early in the morning during a severe snow storm, spreading to the office building and another greenhouse where the plant stock was almost a complete loss. The loss was covered by insurance. The firm is now rebuilding.

CARNATIONS!

BIG CROP NOW ON.

Fancy Red, Pink and White, per 100, \$3.00. Medium stems, Pink and White, per 100, \$2.00. Shorts and splits for funeral work, \$1.00 per 100.

Also A Fine Crop of Roses Now Coming On

Our roses are all carefully sorted and packed and cut especially for the shipping trade. Buy your flowers direct from a large grower. You get a more even run of stock and much fresher cut. We send our stock from the greenhouses three and four times per day.

CURRENT PRICE LIST. Subject to change in market.

American Beauties

	Per doz.
Specials, extra long stems.....	\$ 6 00
36-inch stems.....	5 00
30-inch stems.....	4 00
20 to 24-inch stems.....	3 50
12-inch stems.....	1 50

Carnations

	Per 100
Fancy Pink, White and red.....	\$3 00
Medium Pink and White.....	2 00
Short and splits, white and pink for funeral work.....	1 00

Rhea Reid, Ward, Richmond, White and Pink Killarneys

	Per 100
Extra select.....	\$12 00
Medium.....	8 00
Short.....	5 00 to 6 00
Short Wards.....	6 00

Miscellaneous

	Per 100
Harrisii Lilies, per doz.....	\$1 50: 12 00
Jonquils.....	\$2 00 to 3 00
Narcissus Paper White.....	2 00 to 3 00
Lily of the Valley.....	3 00 to 4 00
Tulips, \$2.00, \$3.00; all colors.....	
Asparagus Sprays.....	3 00 to 4 00
Sprengeri.....	2 00 to 3 00
Ferns, per 1000.....	2 50
Smilax, per doz.....	1 50 to 2 00
Adiantum.....	1 00
Galax, bronze, per 1000.....	1 00

BASSETT & WASHBURN

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.
LONG DISTANCE PHONE, CENTRAL 1457.

Mention the American Florist when writing

Chicago.

COLDER WEATHER.

This city experienced its first real cold weather this year on February 1 when the temperature dropped to 1.3 degrees below zero. The "ground hog" came out the following day but scurried back to his hole as soon as he saw his shadow, which to some people means that we will have six weeks more of cold weather. There has been no great change in the market conditions since last week, trade is still quiet and roses continue to be scarce and command high prices. American Beauty roses are in good demand and clean up readily, although there is a fair supply of short stem flowers. Carnations are as plentiful as ever with a noticeable increase of splits. Violets have not advanced any yet in price, lily of the valley is of good quality and in good supply. The supply of bulbous flowers is increasing and the counters of the stores are well filled with tulips, jonquils, freesias and Paper White narcissi. Lilies are in greater supply and some exceptionally fine stock is obtainable. Fancy snapdragons are arriving and a fair supply of bouvardia is to be had. Orchids are obtainable in quantities at low prices and are still seen featured in many of the down town windows. Sweet peas are in large supply and the quality is good, with a large variety of colors obtainable. Marigolds and mignonette of good quality are also offered. At this writing, Wednesday, February 5, the weather is still cold but trade is as quiet as ever. The supply of bulbous flowers is increasing and much fine stock is obtainable. The demand for flowers from New Orleans for Mardi Gras week was unusually quiet this year and like Mc-

Kinley day there was practically "nothing doing" as far as this market was concerned. The shipping trade is disappointing and the same can be said of the local business. A New York wholesale house which evidently knows the true condition of the local market has asked several of the wholesalers here to consign a portion of their carnations to them at present or until the demand here is better. The New York dealer claims that he has an outlet for fancy stock at practically double the price asked for here, which is indeed surprising, for if one scans the market report of that city in last week's issue he will find that carnations there have been very plentiful and that the prices were quite low. But then, there may have been a great change in the market there or the wholesaler referred to may do such a large business that he can handle some of the local stock at the prices he mentioned to good advantage. Really, under the present conditions here it might prove to be of benefit to give him a trial, for the house has a good reputation.

NOTES.

Albert Haisch, formerly with the Memphis Floral Co., at Memphis, Tenn., was in the city this week on business connected with his new store which he will open at the corner of Main and Madison streets in that city, on February 15. Mr. Haisch also visited relatives in Milwaukee, Wis., on this trip, returning home the latter part of this week.

N. J. Wietor and wife are back from a delightful visit at Ocean Springs, Miss., and a few days' stay at New Orleans, La. His firm, Wietor Bros., is now cutting a better supply of fancy American Beauties and the supply of roses in general is increasing daily.

John Poehlmann, Jr., who is attending the Culver Military academy at Culver, Ind., writes that the students of that institution have been enlisted for the inaugural parade at Washington, and it is needless to say that they are looking forward with much pleasure to that event.

By order of Postmaster Campbell of this city the last mail delivery will be made at 3:30 p. m. instead of 4:30 as heretofore. Out of town customers are requested to bear this in mind when mailing their letters and act accordingly.

O. Johnson says that one of the Batavia Greenhouse Co.'s residences occupied by his partner, Henry Winberg, burned to the ground on Friday, January 31. Fortunately the building was partly covered by insurance.

Sol. Garland of Des Plaines has leased a stand from Percy Jones and is now disposing of a portion of his own stock at wholesale.

Dwight L. Harris, general manager of the Pulverized Manure Co., will be back soon from an extended eastern trip.

W. J. Smyth's many friends will be pleased to hear that he was taken home from the hospital on January 31.

Mrs. F. Ennis of Milwaukee, Wis., transacted business here on January 30, returning home the same evening.

The next regular meeting of the Florists' Club will be held at the Union restaurant on February 6.

H. C. Wullbrandt, proprietor of the Globe Greenhouses, has returned from a most enjoyable visit in Cuba.

W. F. Vlk has moved one block farther south to 5118 South Ashland avenue.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

Violets for Valentine Day

Choice Home Grown Double and Single. Also Valley, Tulips, Jonquils, Sweet Peas and All Other Seasonable Stock in Big Supply.

Carnations in Large Quantities

for all occasions. Let us quote you special prices on large lots.

Current Price List.

SUBJECT TO CHANGE WITHOUT NOTICE.

AMERICAN BEAUTIES		Per Doz.	RICHMOND.		Per 100	CARNATIONS—		Per 100
Specials.....		\$6.00	Long.....		\$12.00 to \$15.00	Fancy.....		\$3.00
36-inch.....		5.00	Medium.....		8.00 to 10.00	Medium.....		2.00
30-inch.....		4.00	Good short.....		4.00 to 6.00	Splits and Shorts.....		1.00
24 to 28 inch.....	2.00 to	3.00	KILLARNEY.			ORCHIDS,		
18 to 20-inch.....		1.50	Long.....		\$12.00 to \$15.00	PERCIVILLIANA.....	per doz.	4.00
Short stem.....	Per 100	6.00 to 10.00	Medium.....		8.00 to 10.00	TRIANAE.....	per doz.,	4.00 to 6.00
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.			Good short.....		4.00 to 6.00	ONCIDIUMS.....		5.00
Long.....	\$12.00 to	\$15.00	WHITE KILLARNEY.			DENDROBIUM FORMOSUM, doz.		5.00
Medium.....	8.00 to	10.00	Long.....		\$12.00 to \$15.00	EASTER LILIES.....		12.00
Short.....	4.00 to	6.00	Medium.....		8.00 to 10.00	JONQUILS.....	3.00 to	4.00
MELODY, long.....			Good short.....		4.00 to 6.00	DAFFODILS.....		3.00
Medium.....	8.00 to	10.00	Extra special Roses, charged accordingly.			TULIPS.....	3.00 to	4.00
Short.....	4.00 to	6.00	VIOLETS, Princess of Wales.....		\$.50 to \$.75	ADIANTUM CROWEANUM.....		1.00
MRS. AARON WARD.			Double, New York.....		.50 to .75	MEXICAN IVY.....	per 1000,	\$6.00
Long.....	12.00 to	15.00	Double, Glencoe, home-grown.....		1.00	SMILAX.....		16.00
Medium.....	8.00 to	10.00	ROMANS.....		\$2.00 to 3.00	SPRENGER PLUMOSUS SPRAYS.....	3.00 to	4.00
Short.....	4.00 to	6.00	SWEET PEAS.....		.75 to 1.00	PLUMOSUS STRINGS, extra long and heavy.....	each,	.60
LADY HILLINGDON.			Long Fancy.....		1.50	FERNS.....	per 1,000,	2.00
Long.....	12.00 to	15.00	VALLEY.....		\$3.00 to \$4.00	GALAX.....	per 1,000,	1.25
Medium.....	8.00 to	10.00	NARCISSUS, Paper White.....		3.00	LEUCOTHOE.....	per 100,	.75
Short.....	4.00 to	6.00				BOXWOOD, fine bright green.....		
						..per bunch, 25c; per 50 lb. case,		7.50

SUPPLY DEPARTMENT VALENTINE BOXES

Something New and Unique. Sample Orders Now Ready.
Can be sent by Parcels Post.

Also Corsage Shields, Ties and Pins

Order some of **Waters' Latest Corsage Ties**, the **Butterfly Bow**, in all colors, ready to attach, \$2.00 per dozen. Ask us about them.

Place your order now for an assortment of pretty **Red Baskets** for Valentine Day.

Fancy Cut Flower Boxes and a full line of accessories for the coming season. Give us a trial order now and be convinced that our stock is new and that all orders are shipped promptly. We have a habit of giving satisfaction.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

LARGE SUPPLY BEAUTIES--ROSES--CARNATIONS

CURRENT PRICE LIST.—Subject to change without notice.

American Beauties.

Per Dozen	Per Dozen
60 in. stems.....\$5 00	24-in. stems.....\$2 00
48-in. stems.....4 00	20-in. stems.....1 50
36-in. stems.....3 00	16-in. stems.....1 00
30-in. stems.....2 50	

Killarney.

Per 100
Extra special.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stems.....4.00

My Maryland

Per 100
Extra Specials.....\$10.00
Select.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00

Roses, our selection - - - \$4.00

Mrs. Jardine, Long\$10.00
Medium 6.00

Richmond

Per 100
Extra specials.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stem.....4.00

White Killarney

Per 100
Extra specials.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stems.....4.00

Carnations Good.....2.50 to 3.00

Medium.....2.00 | Short.....1.50

LILIES.....per doz., \$2.00; 15.00

FERNS, per 1000.....\$2.50

SMILAX, per doz.....\$1.50 to 2.00

ADIANTUM, per 100.....1 00 to 1.50

GALAX, per 1000.....1.00

SPRENGERI, per bunch......50

ASPARAGUS SPRAYS, per bunch......50

The Illinois Metals Co., 2436-2440 West Twenty-second street, manufacturers of the Anti-Klog sprayer, the sprayer of many uses, is mailing a handsome illustrated catalog to the trade. Besides fully describing the superior points of the sprayer, the catalog contains a number of spraying recipes that should be of interest to every grower. J. P. Burke, the general manager, will gladly mail a copy of the book free to all the readers of this paper upon request.

The Horticultural Society's final premium list and entry blanks for the spring show are being mailed this week. Those not receiving copies can secure them on application to R. J. Haight, secretary, 440 South Dearborn street, telephone Harrison 4889. The show will be held at the Art Institute April 1-5. Western delegations can stop off for this exhibition on the way to New York to attend the national flower show April 5-12.

Peter Reinberg is cutting a tremendous quantity of long and medium stemmed American Beauties which are pretty good property during the present shortage of other roses. Tim Matchen has been supplying several wholesalers with stock the past week, besides taking care of all of his regular customers.

Bassett & Washburn's cut of carnations is exceptionally large and plenty of fine stock is now being sold at the store. Their new red seedling carnation is attracting considerable attention and is having a good call. An increased supply of roses is expected at this establishment in the course of another week.

The Chicago Flower Growers' Association is disposing of a large quantity of carnations each day and J. F. Kidwell says that the stock is all pretty well sold out before the store closes for the day. Some fine tulips in addition

to a large assortment of other bulbous flowers are now the leaders here.

At A. L. Vaughan & Co.'s store, stock of all kinds is arriving in fine condition and some of the best tulips and other bulbous flowers of the season are now being featured in quantity. W. E. Lynch is suffering considerably with rheumatism, but refuses to remain away from work.

The J. B. Deamud Co. had a new floor laid in its store this week which is the fourth one since the firm occupied the present quarters. The counters are always well filled with all the stock in season when the shipments arrive in the morning, especially with bulbous flowers.

Poehlmann Bros. Co.'s supply of orchids is still very large, and some magnificent blooms can now be seen at their establishment. Otto W. Frese says that the New Orleans shipping trade was very light this year as far as the Mardi Gras was concerned.

The Alpha Floral Co.'s window displays at present are very beautiful and continue to attract much attention. George Economopolis, the proprietor, believes in this kind of advertising and always makes a big showing of all the seasonable flowers and plants.

Weilands, Inc., have sold their lease at 15 East Washington street at a good figure and are now busy vacating the premises. It is understood that the proprietors had an eight-year lease on the store, so it must have been an object to sell.

The George Wittbold Co. has had an unusually large run on funeral work all this week, but particularly so last Sunday, when the force was obliged to work until 10 p. m., the usual closing hour on that day being at noon.

The E. F. Winterson Co. has renewed the lease on its present quarters for a term of years. Mr. Winter-

son says that business has been very good right along and that he has no cause whatever to complain.

Percy Jones is offering a large supply of bulbous stock of all kinds and he is featuring some exceptionally fine tulips. The supply department is also growing and quite a trade has been worked up in this line.

J. A. Budlong is having a good call for lily of the valley so he has no great surplus of stock. A good supply of roses is arriving but is sold quickly at good prices.

John Welsh has opened another store at 4703 North Robey street, where he will be in charge. His son William will hereafter look after the old establishment at Hoyne and Ainslie avenues.

At Kyle & Foerster's store, sweet peas and American Beauty roses of fine quality are only a few of their many offerings.

Miss A. Sigmund says that funeral work has been exceptionally brisk at the Madison Floral Co.'s store the past few weeks.

E. E. Pieser, of Kennicott Bros. Co., has been a little under the weather the past week but gallantly sticks to the ship.

The A. Dietsch Co. has received another order from Carl Zeidler of Evansville, Ind., for several new greenhouses.

John Stuppy, of the Stuppy Floral Co., St. Joseph, Mo., was in the city on pleasure a few days this week.

August Jurgens left this week to spray the peach trees in his Mississippi and Alabama groves.

Miss C. Knappstein is the latest addition to Stollery Bros.' Wilson avenue store force.

F. J. Simon, recently with the A. L. Randall Co., is again with Percy Jones.

AMERICAN

BEAUTIES

Extra Large Supply of Long Stemmed Flowers of Unsurpassed Quality at Very Reasonable Prices. Good Color, Foliage and Stem.

ALSO A GOOD SUPPLY OF KILLARNEY

White Killarney, Richmond, Maryland, Melody and Mrs. Aaron Ward Roses and Carnations

Current Price List.

Subject to change without notice.

AMERICAN BEAUTIES		Per doz.	White Killarney, Special.....		Per 100	Valley.....		Per 100
Extra long.....		\$ 4 00	Medium.....	6 00 to	10 00	Violets.....	3 00 to	4 00
36-inch stems.....		3 50	Short.....		8 00	Sweet Peas.....	75 to	1 00
30-inch stems.....		3 00	My Maryland, Special.....		10 00	Paper Whites.....	1 00 to	1 25
24-inch stems.....		2 50	Medium.....	6 00 to	8 00	Romans.....	2 00 to	3 00
20-inch stems.....		2 00	Short.....		4 00	Asparagus, bunch.....	2 00 to	3 00
18-inch stems.....		1 50	Sunrise, Select.....		10 00	“ strings, 60c to 75c ea.		
12 to 15-inch stems.....		1 00	Medium.....	6 00 to	8 00	“ Sprenger.....	2 00 to	3 00
Shorts.....	\$ 50 to	75	Short.....		4 00	Smilax.....		1 50
Richmonds.....		Per 100	Roses our Selection.....		5 00	Mexican Ivy.....		75
Select.....		\$10 00	Carnations, Fancy.....		3 00	Galax, bronze and green.....		
Medium.....	6 00 to	8 00	Select.....		1 50 to	per 1000, \$1 25		
Shorts.....		4 00	Harrisii Lilies...per doz..		\$1 50	Leucothoe Sprays.....		75
Killarney, Special.....		10 00				Boxwood, per bunch.....	25	
Medium.....	6 00 to	8 00				Ferns, per 1000.....	\$2 00	
Short.....		4 00						

Peter Reinberg

30 East Randolph Street L. D. Phone, Central 2846 CHICAGO

Mention the American Florist when writing

“The Busiest House in Chicago.”

—Valentine Day Offerings—

Fancy Single and Double Violets, Valley, Orchids, Sweet Peas, Tulips, Romans, Jonquils, Free-sias, Roses and Carnations. Also plenty of Greens of all kinds.

QUANTITY

QUALITY

J. B. DEAMUD CO.

Phones { Central 3155. 160 N. Wabash Av., CHICAGO
Auto. 44-389.

PERCY JONES

H. VAN GELDER, Pres.

L. D. Phone, RANDOLPH 3671

L. M. JONES, Secy.

Wholesalers of
Cut Flowers and Florists' Supplies

1,000,000

bulbs were planted by our growers last season, so you can readily imagine what an enormous quantity of flowers we now have to offer. In addition to a full line of bulbous stock we have an abundant supply of fancy carnations, sweet peas and all other flowers now in season. Allow us to quote you prices before buying elsewhere.

Write for Our Weekly Price List.

Ribbons and Chiffons our Specialty

56 E. Randolph St.,

CHICAGO

The Chicago Carnation Co. received several seedlings the past week from out of town growers, two of which look very promising. No. 61 is a variegated Enchantress and the other is a variegated Enchantress and both came from A. Jablonsky, of Olivette, Mo. No. 61 is marked very much on the order of Mrs. Patten with a heavy medium stiff stem that bears a large flower of a very good type which seems to possess good keeping quality. The blooms were sent by parcel post and arrived in very good condition, and two days later developed wonderfully well in the cooling room. The variegated Enchantress is the same as the White Enchantress and is also nicely penciled somewhat on the order of Mrs. Patten. Both of these seedlings will be disseminated by A. T. Pyfer and A. Jablonsky the coming season. Another lot of seedlings were received from C. Akehurst & Son, of White Marsh, Md. They were 48 hours in transit, and were not in very good condition when received, but revived after having been placed in the cooling room. No. 45 is a very large, full pink, about the Rose Pink Enchantress shade. It is an exceptionally striking flower because of the great number of petals extending out well and showing the flower off to very good advantage. It has a good calyx and very stiff stem. No. 40, of a Lawson shade, is a small flower somewhat of the Lawson type but having a long stiff stem. No. 105 is a yellow, variegated with cerise. These seedlings are in their second year and appear good enough to pass the experimental stage, and no doubt they will be put on the market within the next year or two.

Henry Wittbold arranged the decorations for the McCormicks' Italian garden dance at the gold ballroom of the Congress hotel on January 21, which were very elaborate.

Eldridge Floral Co.

518 Nicollet Ave., MINNEAPOLIS, MINN.

We want growers to supply us with Roses, Carnations and Violets

Henry Smith, of Grand Rapids, Mich., sent in a sample of his Princess of Wales violets this week, which created a sensation, nothing better in size of flower and stem having ever been seen here.

Visitors: Chas. Schwake, with Chas. F. Meyer, New York; R. W. Peterson, with J. A. Peterson & Sons, Westwood, Cincinnati, O.; Mrs. F. Ennis, Milwaukee, Wis.; John Vandermeij, representing W. Veldhuyzen Van Zonten & Zonen and J. J. Grullemans, Jr., representing J. J. Gruellemans & Sons, Lisse, Holland; A. Jablonsky, Olivette, Mo.; Frank P. Myers, Myers & Santman, Philadelphia; Carl Hagenburger, Meteor, O.; Letta J. Baker, Ottumwa, Ia.

Chicago Bowling.

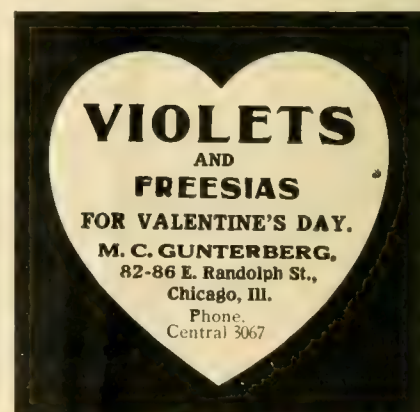
COOK COUNTY FLORISTS' LEAGUE.

Team Standings.

	Won.	Lost.		Won.	Lost.
Roses	26	19	Orchids	22	23
Violets	22	23	Carnations	20	25

Individual and team scores for games played Wednesday, January 29:

Carnations.			Roses.		
Lorman	121	165 185	Goerisch	178	159 137
L'hmann	145	152 150	Kohler	143	158 129
Lazaroff	112	151 116	Byers	147	224 171
Ayers	170	182 175	Price	139	157 171
A. Zech	163	134 185	Fisher	145	168 184
Totals	711	784 811	Totals	752	857 792
Orchids.			Violets.		
Krauss	169	140 155	Cole	129	165 143
Graff	136	188 154	Jacobs	134	133 165
Brostrom	148	144 195	Wolf	147	183 166
Econp'lis	183	189 144	Schultz	145	162 186
J. Zech	174	150 159	J. Huebner	178	177 196
Totals	810	811 812	Totals	733	821 856



Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,
713-717 Milwaukee Ave., CHICAGO

BANGOR, ME.—Adam Sekinger has drawn plans for a new rose house, 45x300 feet.

DES MOINES, IA.—A new greenhouse will be built at Union Park in the spring at a cost of \$6,000.

Big Supply of Violets FOR VALENTINE'S DAY.

Also large quantities of Valley, Tulips, Jonquils, Daffodils, Freesias, Sweet Peas, Paper Whites, Romans, Lilies, Callas, Orchids, Roses, Carnations, and all other Seasonable Flowers and Greens. All our orders are filled with strictly fresh stock.

CURRENT PRICE LIST.

American Beauties.		Per doz.		Per 100
Specials.....		\$ 6 00	Carnations, common.....	\$ 2 00 to \$ 3 00
36-inch.....		5 00	fancy.....	4 00
30 inch.....		4 00	Cattleyas.....	per doz., \$5 00 to \$6 00
24 to 28-inch.....	2 50 to	3 00	Jonquils.....	3 00 to 4 00
18 to 20 inch.....		2 00	Tulips.....	3 00 to 4 00
Short stem.....	Per 100	6 00 to 10 00	Valley.....	3 00 to 4 00
		Per 100	Violets.....	75 to 1 50
White Killarney.....	Special.....	\$15 00	Paper Whites and Romans.....	3 00 to 4 00
Killarney.....	Fancy.....	12 00	Sweet Peas.....	75 to 1 50
Maryland.....	Medium.....	8 00 to 10 00	Smilax.....	Doz., \$1 50 to \$2 00
	Short.....	6 00	Asparagus Strings.....	Each, 75c
Richmond—Special.....		15 00	Asparagus Plumosus.....	Bunch, 25c to 50c
Fancy.....		12 00	Fancy Ferns.....	Per 1000, \$2 00 to \$2 50
Medium.....	8 00 to	10 00	Wild Smilax.....	Case, \$5 00
Short.....		6 00	Boxwood.....	Per lb., 25c; 50 lbs., 7 50
ROSES, our selection.....	per 100, \$6.00		Mexican Ivy.....	60 to 75
Lilies.....	Per doz., \$1 50 to	2 00	Galax.....	Per 1000, \$1.00
Callas.....	" 1 50 to	2 00	Adiantum.....	75 to 1 00

A. L. VAUGHAN & CO.

Long Distance Phone
Central 2761.

161 N. Wabash Ave., CHICAGO.

Send Your Orders for Seasonable Flowers to

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids, Violets and Other Seasonable Stock for Valentine Day.

Long Distance Phone
Central 3598.

St. Louis.

DEMAND IS GOOD.

The weather has become cold. There has been a good demand for flowers all week. Carnations have cleaned up well and there has been a scarcity of roses. Violets have been cleaning up well, but the cold weather has caused the demand to slow up. Jonquils, mignonette and valley are selling well.

NOTES.

A visit to the loop at Wellston found Alex Johnson at the retail store very busy, assisted by Jim North. A visit to his greenhouses a few blocks south was very interesting. A new fern and palm house fronts the St. Charles Rock road. It is 22x100 feet. A beautiful grotto, with the finest collection of rock and filled with gold fish and running water, is to be seen here. In addition, there are three houses, 14x135 feet, filled with rose plants; three fine houses of carnations, 14x135 feet, four houses 16x135 feet, two houses 14x135 feet and one house 18x25 filled with plants. Mr. Johnson contemplates further building in the spring. He is installing an additional boiler. The entire plant was erected by Alex and his employees.

The meeting Thursday, February 6, of the St. Louis Florists' Club will be interesting. It is to be a publicity meeting to further interests of all members and their business interests.

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers at Lowest Market Prices.

30 E. Randolph St., CHICAGO

Will Ossig with the Wm. C. Smith Wholesale Floral Co., says the demand for good stock is large. The demand for violets had slackened a little on account of weather conditions.

The Windler Floral Co. has had a splendid stock of flowers all week. Frank Windler and Al Gumz prove very popular and energetic salesmen.

The Red Bud Floral Co. will open a flower stand next to the Columbia Theater on Sixth street. They run flower stands at the Union market.

Geo. B. Windler is shipping some very fancy cut mignonette to this market. It is handled by the Windler Floral Co.

McKinley day was not kept to any extent here. It was killed when exorbitant prices were demanded for carnations.

C. A. Kuehn says the demand is greater than the supply with him, especially in roses.

GOLDFISH



"Something Alive in the Window"

Catches the public eye.

Order your supply now.

\$3.00 per 100 and up.

Write for catalog

AUBURDALE GOLDFISH CO.
920 W. Randolph Street, CHICAGO

Fred Ostertag, brother of Henry Ostertag, is still very ill. He is just able to get around.

W. F.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

 L. D. Phone
 Randolph 5449 176 N. Michigan Ave.

Chicago

Large Supply of SINGLE VIOLETS DOUBLE

—FOR—

VALENTINE'S DAY

Also Fancy Sweet Peas,
 Tulips, Jonquils, Roses,
 Carnations and All Other
 Seasonable Cut Flowers

Current Price List.

Subject to change without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 6.00	\$ 5.00	\$ 4.00	\$3.00	
Killarney.....per 100	12.00	10.00	8.00	6.00	5.00
White Killarney.....	12.00	10.00	8.00	6.00	5.00
My Maryland.....	12.00	10.00	8.00	6.00	5.00
Richmonds.....	12.00	10.00	8.00	6.00	5.00
Mrs. Aaron Ward.....	12.00	10.00	8.00	6.00	5.00
Sunburst.....	12.00	10.00	8.00	6.00	5.00
Carnations.....	4.00	3.00	2.00	1.50	
Callas.....	20.00	15.00			
Lily of the Valley.....	4.00	3.00			
Violets, Extra fine single.....	1.50	1.00			
Double.....	1.50	1.00			
Sweet Peas.....	1.50	1.00			
Romans.....	4.00	3.00			
Paper White Narcissus.....	3.00	2.00			
Jonquils.....	4.00	3.00			
Tulips.....	4.00	3.00	2.00		
Easter Lilies.....	15.00	12.50			
Daisies.....	1.50	1.00			
Asparagus Plumosus Sprays..per 100	4.00	3.00	2.00		
Asparagus Sprengeri Sprays..	3.00	2.00			
Mexican Ivy.....	.60				
Smilax.....	16.00	12.50			
Galax, Green and Bronze.....per 1000	1.00				
Ferns.....	2.00				
Boxwood.....bunch	.25				
Adiantum.....per 100	1.00	.75			

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street

L. D. Phone, Randolph 6578

CHICAGO, ILL.

Morris County Gardeners and Florists.

ANNUAL DINNER.

The annual dinner of the above-named society was held at Piper's Hotel, Morristown, N. J., on the night of January 28. There was a very large attendance and a good list of speakers, a number of whom brought out good points. Walter F. Sheridan, the well-known wholesaler of New York city, was chosen toastmaster and acted the part in a very effective manner. Notable among the speakers were Wm. H. Siebrecht, president of the New York Florists' Club; Chas. H. Totty, Martin C. Ebel, and Wm. H. Duckham of Madison, N. J. A pleasing feature of the gathering was the presentation to Edward Reagan, secretary of the society, of a silver tea service, the presentation speech being made by Wm. H. Duckham. The table decorations were effective and appropriate.

A. F. F.

Milwaukee.

ROSES VERY SCARCE.

The market conditions remain practically unchanged, with roses very scarce. There are plenty of carnations, violets, sweet peas, freesias, narcissi and other stock, and enough greens to fill all orders.

NOTES.

The C. C. Pollworth Co. reports business very satisfactory with plenty of carnations, sweet peas, violets and

bulb stock. The same complaint which the other wholesalers made is heard here, too, a rose shortage.

Chas. Dettman announces the arrival of a baby boy at his home. With this new partner in the A. M. Dettman & Son company it expects to continue business for some time to come.

Sam Seligman, better known as "Sprinkleproof Sam," of Wertheimer Bros., New York, spent several days here making things lively in the local trade.

The Holton & Hunkel Co. says there is a shortage of roses at their greenhouses but plenty of other seasonable stock to fill all orders.

J. E. Matthewson of Sheboygan, Wis., reports the completion of two new additions to his greenhouses.

W. C. Zimmermann attended the bowling tournament held at Beaver Dam last week.

The death of Fred C. Schmeling took place January 31 after a four weeks' illness.

Gust. Rusch & Co. report business satisfactory, with plenty of carnations.

BOWLING SCORES.

A. Hare	125	140	148
G. Pohl	191	131	166
O. Eggebrecht	148	152	147
W. Halliday	138	178	130
H. Schlammel	129	152	141
G. Kellner	154	156	188
W. Schmitz	131	144	178
A. Leidiger	...	...	169

G. R.

SEND TEN CENTS

FOR A SAMPLE OF THE

Ever-Ready Flower-Pot Cover.



Strong cardboard foundation. Best waterproof crepe paper, silk fibre ribbon-ties at top and bottom. Firmly held with improved metal fastenings. Furnished in four colors and made in many sizes. An Ever-Ready Flower Pot Cover around the old clay pot will increase the value of the plant considerably and add to your profits. Send 10c for a sample today.

Manufactured by the

EVER-READY FLOWER-POT COVER CO.

WM. H. GREVER, Manager

146 Hughes Avenue

BUFFALO, N. Y.

WIETOR BROS.

Wholesale CUT FLOWERS
Growers of

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

RICHMOND, IND.—John D. Evans, father of J. A. Evans, of the Quaker City Machine Works, died January 8.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

68 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

BOXWOOD

Extra Fine, \$7.50 per case.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

H. Wittbold

Wholesale Florists and
Decorating Specialists.

Headquarters for

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Wild Smilax**

and General Supplies.

OUR PRICES WILL SURPRISE YOU.

56 E. Randolph St., Chicago

Phones { Randolph 4708—Office.
 { Rogers Park 227—Nursery.

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Wholesale Growers of **Cut Flowers**

Telephone Randolph 2758.

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Store: 162 N. Wabash Ave., CHICAGO

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Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

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John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

Mention the American Florist when writing

Chicago Carnation Co.

Wholesale Florists,

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

Mention the American Florist when writing

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET

CHICAGO.

L. D. Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Feb. 5.		Per doz.
Roses, Beauty, specials.....		\$5 00
" " 36 in.....		4 00
" " 30 in.....		3 00
" " 28 in.....		2 50
" " 15-20 in.....	1 50@	2 00
" " 12 in.....		1 00
" " Short.....	\$6 00@	10 00
" Killarney.....		4 00@15 00
" White Killarney.....		4 00@15 00
" Richmond.....		4 00@15 00
" Prince de Bulgarie.....		4 00@15 00
" Radiance.....		4 00@15 00
" My Maryland.....		4 00@15 00
" Melody.....		4 00@15 00
" Mrs. Jardine.....		4 00@12 00
" Lady Hillingdon.....		4 00@15 00
" Sunburst.....		4 00@15 00
Carnations.....		1 00@3 00
Cattleyas..... per doz.,	4 00@	6 00
Gardenias.....		3 00@4 00
Jonquils.....		3 00@4 00
Lilium Harrisii.....		12 50@15 00
Narcissus, Paper White.....		3 00@4 00
Orchids, Dendrobium, per doz.,		5 00
Romans.....		3 00@4 00
Tulips.....		3 00@4 00
Stevia.....		1 50@2 00
Violets.....		50@1 00
Valley.....		3 00@4 00
Sweet Peas.....		75@1 50
Adiantum Croweanum.....		25
Boxwood..... per lb.,		25
Ferns..... per 1000,	2 00@	2 50
Galax.....		1 25
Leucothoe.....		75
Mexican Ivy..... per 1000,	5 00@	6 00
Plumous Strings, each,	50@	60
Smilax..... per doz.,	1 50@	2 00
Sprengerii, Plumous Sprays.....		3 00@4 00

ROSES

White and Pink Killarney and Richmond
Roses. Red, White and Pink Carna-
tions. Callas, Sweet Peas, and
Greens of all kinds.

W. E. Trimble Greenhouse Co.
Princeton, Ill.

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing



C.C. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
**Choice Cut Flowers
and Greens**

Cycas Leaves!

100 choice cycas, sizes 20 in. to 40-in.
for \$6.25. Other supplies at equally low
prices. Write for list.

GEO. H. ANGERMUELLER

Wholesale Florist
1324 Pine St., St. Louis, Mo.

Philadelphia.

FLOWERS VERY SCARCE.

The feature of the week was the scarcity of flowers. Roses in all varieties and grades were scarce, beginning with American Beauties which were hardly to be had at any price. It was to a degree the same all along the line. One had to have the order in to insure getting the stock when it arrived. It is quite an interesting sight in the commission houses to see the various salesmen lined up about a box as it is opened, and the wild scramble there is to get enough for this or that order. The head of the house is often called in and has a hard time in portioning off among six or more people when there is only enough to fill one order. It is puzzling to know why everything is so scarce, as the weather has never been more favorable at this season. The weather bureau had to go back for over one hundred years to find a parallel. There should be a great saving in coal. Orchids, valley, violets and gardenias appear to be in better supply than most other flowers and prices on these favor the buyer. Cattleyas sold as low last week as \$12.50 a hundred, which is about bottom price for this market. The price for a single dozen, however, was much higher. Daffodils and other bulbous stock was quite plentiful and brought fair prices. Good freesia was scarce. There is quite a demand for good stock of this flower. Sweet peas are soon going to have their innings. They are very popular with the public. The Japanese pink lily is getting to be one of the indispensables. This stock is nearly all imported. Why do not some of our home growers get into the way of forcing this lily? It should pay.

NOTES.

The M. Rice Co. has a very attractive Easter folder appropriately entitled "Parcel Post Helps." It contains many good suggestions for the Easter trade. B. Eschner says they will be glad to mail a copy upon request to any florist.

Carnations were the feature of the Leo Niessen market, although scarce in many places. There were quantities seen here and of excellent quality. Pink Japan lilies are also handled in quantity.

Good Richmond roses were one of the choice things seen at Berger Brothers' central market. Easter lilies are also one of their staples.

Ed. Reid is "there" with good cattleyas. His select flowers are wonder-

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Feb. 5.		Per 100
Roses, Beauty, extra.....	60 00@100 00	
first.....	25 00@50 00	
Brides and Maids.....	6 00@12 00	
Killarney.....	6 00@15 00	
White Killarney.....	6 00@15 00	
Liberty.....	6 00@15 00	
Carnations.....	3 00@ 5 00	
Cattleyas.....	35 00@50 00	
Daffodils.....	2 50@ 4 00	
Freesias.....	3 00@ 4 00	
Gardenias.....	1 50@ 2 00	
Lilium Harrisii.....	11 00@12 00	
Lily of the Valley.....	3 00@ 5 00	
Calla Lilies.....	12 50@16 00	
Marguerites.....	1 50@ 3 00	
Snapdragons.....	15 00@25 00	
Sweet Peas.....	75@ 1 50	
Violets, single.....	75@ 1 00	
double.....	75@ 1 00	
Adiantum.....	75@ 1 00	
Asparagus..... per bunch.....	50	
Tulips.....	2 00@ 4 00	

PITTSBURG, Feb. 5.		Per 100
Roses, Beauty, special.....	50 00	
extra.....	30 00	
No. 1.....	15 00	
Killarney.....	3 00@ 8 00	
My Maryland.....	3 00@ 8 00	
Richmond.....	3 00@ 8 00	
Carnations.....	3 00	
Calla Lilies.....	12 00	
Freesias.....	3 00	
Gardenias.....	3 00	
Daisies.....	2 00	
Cattleyas.....	50 00	
Violets.....	50@ 75	
Sweet Peas.....	75@ 1 00	
Lilium Longiflorum.....	12 00	
Lilium Rubrum.....	8 00	
Lily of the Valley.....	4 00	
Daffodils.....	4 00	
Tulips.....	4 00	
Paper White.....	3 00	
Romans.....	2 00	
Baby Primroses.....	50	
Oncidiums.....	4 00	
Adiantum.....	1 25	
Lilac..... per bunch.....	\$1 25	
Asparagus Sprengeri, per bunch.....	35@40	
Sprays..... per bunch.....	35@40	

MILWAUKEE, Feb. 5.		Per 100
Roses, Beauty, per doz., 2 00@5 00		
White and Pink Killarney.....	6 00@12 00	
Richmond.....	6 00@12 00	
Carnations.....	1 50@ 3 00	
Callas..... per doz., 1 50		
Lilium Giganteum..... per doz., 1 50@ 2 00		
Lily of the Valley.....	3 00@ 4 00	
Stevia.....	2 00@ 3 00	
Sweet Peas.....	1 00@ 1 50	
Violets, Wisconsin grown.....	75@ 1 00	
Adiantum.....	1 50	
Asparagus..... per string.....	50	
Sprengeri, per bunch.....	35	
Boxwood..... per bunch.....	25	
Ferns, common.....	2 00	
Galax..... per 1000, \$ 1 50		

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.

1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

Per 1000
Dagger Ferns, \$1.50
Fancy Ferns, 2.00

THE LEO NIESSEN CO.,

¶ You cannot find a better grade of ferns anywhere. Regardless of the price you are paying, we invite you to make comparison with others. Why pay more than the price we are quoting?

Wholesale Florists,
 N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
 Lickrun, Cincinnati, Ohio

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
 Pittsburg, Pa.

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

fully fine specimens of this beautiful variety.

Godfrey Aschmann is about again after a harrowing experience. Such a trifling thing as slightly scratching his shin against the bath tub proved dangerous, as the wound, which in some way became infected, kept everybody on the anxious bench for two or three weeks. The Easter stock here looks well, and Mr. Aschmann says he will now have no trouble with his lilies, as he can get them ready without a bit of forcing.

Although Easter is so early this year, the lily growers as a rule say they will have no trouble to make it with their lily crop. H. Foust, who makes a specialty of this flower, reports that even the few giganteums that he grew will make it easily. His stock this year looks very well. The buds are for the most part set and show that the plants will be quite heavily flowered.

At the automobile truck show of last week quite a number of the fraternity were interested visitors. Mark Mills, W. K. Harris, Robert Crawford and the Jos. Heacock Co. in a body were all looking into the merits of the different cars. Several others were also known to be on the lookout and it appears as if it will be all motor cars in the near future.

The Church of the Messiah, Broad street and Montgomery avenue, will erect a flower shop and greenhouse on the northeast corner of its large and attractive lawn. This will be for rent for a term of from three to five years and should provide a good opening for some progressive florist.

Why does not some enterprising grower make a specialty of rose geranium leaves? They are always in demand in a small way and at this season it seems almost impossible to get them.

William Wyatt of Thirteenth street, above Race, put a fine machine on the street last week. It is quite up-to-date and will be a great help to him in his business.

K.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, Feb. 5.		
Roses, Beauty, special.....	per doz.	\$6 00
" " fancy.....		5 00
" " extra.....		4 00
" " No. 1.....		3 00
" " No. 2.....		1 00
Per 100		
" Maid and Bride.....		5 00@ 8 00
" Pink Killarney.....		6 00@15 00
" White Killarney.....		6 00@15 00
" Richmond.....		6 00@15 00
" My Maryland.....		5 00@ 8 00
" Aaron Ward.....		6 00@10 00
Carnations.....		2 00@ 3 00
Lilium Longiflorum.....		10 00@12 00
Lily of the Valley.....		3 00@ 4 00
Pink Japan Lily.....		3 00@ 5 00
Narcissus.....		2 50@ 3 00
Jonquils.....		2 00@ 3 00
Stevia.....		1 00
Violets.....		50@ 60
Mignonette.....		3 00@ 5 00
Daisies.....		1 00@ 1 50
Adiantum Croweanum.....		75@ 1 50
Asparagus, per bunch.....	35@	50
Asparagus, Sprenger.....	35@	50
Ferns.....	per 1000.	\$2 00
Galax.....	per 1000.	\$1 50
Smilax.....		15 00

BOSTON, Feb. 5.		
Roses, Beauty, best.....	50 00@	75 00
" " medium.....	20 00@	35 00
" " culls.....		8 00
" White and Pink Killarney.....	4 00@	8 00
" Extra.....	12 00@	16 00
" Taft.....	4 00@	12 00
" Cardinal.....	4 00@	12 00
" Ward and Hillingdon.....	4 00@	20 00
" Killarney and Richmond.....	4 00@	12 00
" My Maryland.....	4 00@	10 00
Carnations, select.....	2 00@	3 00
Callas.....	8 00@	12 00
Cattleyas.....	40 00@	60 00
Gardenias.....	12 00@	25 00
Lilium Longiflorum.....	8 00@	10 00
Lily of the Valley.....	2 00@	4 00
Sweet Peas.....	75@	1 00
Smilax.....	12 00@	16 00
Violets, single.....	75@	1 00
" double.....	50@	75

CINCINNATI, Feb. 5.		
Roses, Beauty.....	per doz.	\$1 00@ \$5 00
" " Bride, Bridesmaid.....		3 00@ 8 00
" " Killarney.....		3 00@ 8 00
" " My Maryland.....		3 00@ 8 00
" " Perle.....		3 00@ 8 00
" " Richmond.....		3 00@ 8 00
" " Taft.....		3 00@ 8 00
Carnations.....		2 00@ 3 00
Callas.....	12 50@	15 00
Lilium Giganteum.....	12 50@	15 00
Lily of the Valley.....	3 00@	4 00
Orchids.....	per doz.	6 00
Narcissus.....	2 00@	3 00
Tulips.....	3 00@	4 00
Jonquils.....	3 00@	4 00
Roman Hyacinths.....	3 00@	
Violets.....	50@	1 50
" double.....	50@	75
Adiantum.....	75@	1 00
Asparagus Plumosus.....	per bunch.	25
Asparagus Sprenger.....	per bunch.	25
Mexican Ivy.....		75



Give Us a
 Trial
 We Can
 Please You.

Roses, Carnations and all kinds of
 Seasonable Flowers in Stock.

WM. F. KASTING CO., Wholesale
 Commission Florists,
BUFFALO, N. Y.
 Florists' Supplies and Wire Designs.

—THE—
J. M. McCullough's Sons Co.,
 Wholesale Commission Florists.
 —CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

**Jobbers of FLORISTS' SUPPLIES,
 SEEDS and BULBS.**

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
 Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO.

**Wholesale Commission Florist
 Consignments Solicited**

Complete Stock of Florists' Greens and Supplies

St. Louis, Feb. 5.		
Roses, Beauty, long.....	per doz.	4 00
Roses, Beauty, medium.....		8 00@15 00
Roses, Beauty, short stems.....		3 00@ 6 00
" Killarney.....		5 00@10 00
" My Maryland.....		5 00@10 00
" White Killarney.....		5 00@10 00
Carnations.....		2 00@ 2 50
Easter Lilies.....		10 00@12 50
Lilium Rubrum.....		8 00
Valley.....		4 00
Asparagus Sprenger.....		2 00@ 3 00
Asparagus Plumosus.....	per bu.	35@60
Ferns, New, Fancy.....		1 75

New York.

SPECIAL AMERICAN BEAUTIES SCARCE.

Storm signals up all along the coast and a low temperature on the night of February 1, was the week-end record. Sunday, February 2, was clear and cold. In the cut flower trade the most noteworthy feature of the past week was the great scarcity of good special American Beauty roses. The oldest and most seasoned buyer in the wholesale district made a few remarks on this condition on February 1. While he was willing to pay \$1.00 each for good specials he decidedly objected to paying that price for anything "just as good," which practically tells the story. There are not enough good special American Beauties to supply the demand. In tea roses, it cannot be said that there was any great surplus throughout the week, while on Saturday, February 1, the supply was rather light with an increased demand. Carnations, too, on that day moved more freely though there was no noteworthy advance in prices. Good carnations will usually sell, if anything sells, and if they can be kept moving at \$3.00 and \$4.00 a hundred there is no particular ground for complaint. The cut lilac that is on the market is not of first quality and moves slowly, but some very excellent plant stock is seen. There is an abundant supply of all bulbous stock. Stocks, or gilly flowers, are now arriving in considerable quantities. There is a steady movement in orchids and gardenias, much of the inferior stock being used in funeral work. Lily of the valley is not very plentiful and prices are firm at \$3.00 and \$4.00 a hundred. As to violets, let us forget them.

Monday, February 3.—The supply of stock is not heavy this morning and prices of roses are firm. Carnations are doing a little better than they were a week ago. A heavy snowstorm is raging, and following, as it does, a great drop in temperature, we may reasonably look for a lighter supply of stock for the remainder of the week. Nevertheless, there is little possibility of any great advance in prices, as buying is light.

NOTES.

As the time approaches for the holding of the third International Flower Show, Charles H. Totty, chairman of the committee, is frequently seen in this city. He has been a tireless worker in the interest of the show and we have reason to believe that in his case it is largely a labor of love and devotion. Aside from any personal consideration, and there are no personal considerations that we know about, he wants the show to be a nation-wide success, and we trust that the trade throughout the country will, as one man, rally to his support. Secretary Young is a very busy man also. He has been mailing the final schedule of prizes, attending committee meetings and answering letters of inquiry which, added to his regular duties as secretary of the S. A. F., keeps him constantly on the job, so to speak.

Among the many interesting figures in the cut flower and plant trade of this city are the Flatbush, Brooklyn, growers. It is quite probable that all these men could sell their ranges for sums that would enable them to retire and live at ease, for real estate in that section is, year by year, greatly increasing in value, but from their inherent love of the business they keep on growing. Notable among them are the Dailledouze Brothers, the business being now conducted by Eugene Dailledouze. At this range, carnations are the leading features and the new production, Enchantress Supreme, which is now being disseminated, is meeting a good demand and is well deserving of the attention of all carnation growers.

One of the very interesting figures in this section is Louis Schmutz, Sr., who in conjunction with his son, Louis Schmutz, Jr., conducts two ranges. Speaking recently of his experience he said: "I came here in 1871 and went to work for Mr. Dailledouze, father of Eugene, Henry and Paul. I could not speak a word of English and felt fortunate in getting work where I could be understood." He eventually started in business for himself and has made a great success of plant growing, being strong on all the leading commercial varieties and having a taste for novelties.

Marshall Clarke, of the well-known firm of David Clarke's Sons, has just returned from a trip to Bermuda. He was well pleased with the island, but thinks that onions and other vegetables are now more profitable crops than Bermuda lilies.

At the Henry Hession range, carnations are almost exclusively grown and a great number of most excellent blooms, covering all the leading varieties, are daily sent to M. C. Ford of Twenty-eighth street.

S. A. Anderson, of Buffalo, was a visitor on February 1. He, too, had just returned from Bermuda. He was pleased with his trip and said the roses and hibiscus were blooming in the open.

G. Messeberg not only grows good carnations but also a variety of other stock, callas at present being very noticeable. He also grows a good variety of plants.

A. J. Guttman has formed a partnership with A. Moltz, the firm name being Guttman & Moltz, Inc., A. J. Guttman, president.

Carl A. Woener is another plantsman who, though but about five years in business for himself, has been very successful.

F. W. Smythe of Wadley & Smythe, sailed for Europe February 5 on a pleasure trip. He will return before Easter.

A. Demeusey is another carnation grower who has made a record for good stock.

A. F. F.

Massachusetts Horticultural Society.

PRIZES AND GRATUITIES AWARDED.

The following prizes and gratuities were awarded at the midwinter exhibition of the Massachusetts Horticultural Society, Boston, Mass., February 1-2, 1913:

PLANTS AND FLOWERS.

Primula sinensis, eight plants—William Whitman, first. Primula stellata, eight plants—William Whitman, first; Mrs. J. L. Gardner, second. Primula obconica, eight plants—William Whitman, first; William Whitman, second. Primula malacoides, eight plants—Mrs. Frederick Ayer, first; Mrs. C. G. Weld, second. Begonia Gloire de Lorraine, six plants—Mrs. C. G. Weld, first. Hard-wooded Greenhouse Plants, six specimens—Mrs. J. L. Gardner, first. Freesias, six pots—Mrs. C. G. Weld, first; William Whitman, second. Roman hyacinths, white, eight pots—William Whitman, first; Mrs. J. L. Gardner, second. Polyanthus narcissus, six pots—Mrs. J. L. Gardner, first. Orchids, three plants in bloom—Mrs. J. L. Gardner, first. Specimen plant in bloom—Col. Charles Pfaff, first; Mrs. J. L. Gardner, second. Carnations, vase of fifty cut blooms, not less than five varieties, twelve blooms of each—S. J. Goddard, first; M. A. Patten, second; A. A. Pembroke, third. Vase of fifty cut blooms, not less than three varieties, open to private growers only—A. W. Preston, first; Mrs. Frederick Ayer, second; Mrs. Frederick Ayer, third. Fifty blooms, any white variety

—A. A. Pembroke, first; S. J. Goddard, second; A. A. Pembroke, third. Fifty blooms, any red variety—M. A. Patten, first; S. J. Goddard, second. Fifty blooms, any light pink variety—A. A. Pembroke, first; S. J. Goddard, second; S. J. Goddard, third. Fifty blooms, any dark pink variety—A. A. Pembroke, first; S. J. Goddard, second; W. D. Howard, third. Fifty blooms, any white variegated variety—A. A. Pembroke, first; M. A. Patten, second; S. J. Goddard, third. Violets, bunch of one hundred blooms of any single variety—Ed. Bingham, first.

GRATUITIES.

E. B. Dane, display of Acacia pubescens and other plants; Mrs. Frederick Ayer, group of Erica melanthera; Mrs. C. G. Weld, display of Amaryllises; Mrs. J. L. Gardner, specimen Chorizema Lowii; Mrs. Lester Leland, display of Cyclamen superba; William Whitman, collection of cyclamens; Mrs. C. A. Walker, Dendrobium nobile, grown in living room; William Whitman, display of pot plants; M. A. Patten, carnation Princess Dagmar; W. D. Howard, Carnation Eureka; W. D. Howard, Salmon sport Winsor carnation; S. J. Goddard, vase of crimson carnations; H. Heubner, winter-flowering snapdragons; William Sim, display of pansies; Mrs. E. M. Gill, collection of cut flowers.

Certificate of merit—John Barr, carnation Mrs. B. P. Cheney.

Cultural certificate—Gardener to Mrs. Lester Leland, display of Cyclamen superba.

Honorable mention — Knight & Struck Co., collection of hard-wooded plants; Mrs. C. L. Gardner, Aphelandra Roezlii.

FRUITS.

Winter apples, collection of not less than four varieties—Elliott & H. Ward Moore, first; George V. Fletcher, second. Dish of one variety—George V. Fletcher, Northern Spy, first; George V. Fletcher, second; Elliott & H. Ward Moore, King, third. Winter pears, collection of not less than three varieties—George V. Fletcher, first. Dish of one variety—George V. Fletcher, Dana's Hovey, first. Gratuity—Chas. W. Mann, display of apples.

VEGETABLES.

William J. Walker Fund, rhubarb, twelve stalks—E. W. Campbell, first. Tomatoes, twelve specimens—A. W. Preston, first. Collection of forced vegetables, not less than four varieties, A. W. Preston, first.

Horticultural Society of New York.

The fall exhibition of this society will be held October 31-November 4, 1913, at the American Museum of Natural History. The announcement is made thus early so that other societies may avoid, as far as possible, conflicting with this date. A special feature of this exhibition will be a silver cup, valued at \$100.00, offered by the society for 12 vases of chrysanthemums, in 12 varieties, 3 blooms of each, stem 18 inches long. It is expected that this will result in keen competition. Announcement is made at this early date so that ample time may be given for preparation. The exhibition committee is now at work on a schedule which will be issued early in the spring.

GEORGE V. NASH, Sec'y.

MT. GILEAD. O.—The Mt. Gilead Orchard Co. has been incorporated, capital stock \$25,000. The incorporators are: W. B. Robinson, Leslie J. Hoyt, Florence Hoyt Robinson, Marjorie Mears Hoyt and Elizabeth Robinson.

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Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.

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WHOLESALE FLORISTS,

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Phones 608 609 Madison Square.

Lily of the Valley, Gardenias, Orchids, Violets, a Specialty.

Nashville, Tenn.

The eighth annual convention of the Tennessee State Horticultural Society, the Tennessee Nurserymen's Association, which are affiliated, and the State Beekeepers' Association, held joint sessions at the Maxwell House, this city, January 29-31. The membership of the three organizations is practically the same, and the connection between the three is very close.

On Wednesday, January 29, the horticulturists held the floor. They were welcomed by T. F. Peck, state commissioner of agriculture, on behalf of the state and city. Dr. J. S. Ward, of Nashville, made a very interesting and instructive address on the "Relation of Beekeeping to Horticulture." J. F. Jones spoke on a "Peach Fete." W. G. Wilkerson gave an excellent talk on the "Place of Fruit and Truck Crops in General Farming." A feature of the meeting was an excellent display of Tennessee apples, which were pronounced by experts to compare favorably with those of any state in the Union, and all concluded that there was a remarkable future for the horticultural business in this state. The following officers were elected: H. R. Howard, Chattanooga, president; W. A. Easterly, vice-president for East Tennessee; C. L. Wade, vice-president for West Tennessee; H. C. Scruggs, vice-president for Middle Tennessee; Chas. A. Keffer of Knoxville was re-elected secretary and treasurer.

On Friday the Tennessee Nurserymen's Association met and had a number of addresses and discussions along the line of their work. The Joy Floral Co. invited the nurserymen, horticulturists and the beekeepers to visit their floral gardens to witness a practical demonstration of the use of dynamite. A large number of the visitors accepted. The election of officers resulted as follows: Chas. Pennington, Rutherford, president; Harvey Templeton, Winchester, president at large; A. J. Fletcher, Cleveland, vice-president for East Tennessee; Harry Nicholson, Decherd, vice-president for Middle Tennessee; J. S. Swinney, Greenfield, vice-president for West Tennessee. Prof. G. M. Bentley, of the State University, Knoxville, secretary and treasurer. M. C. D.

Rochester, N. Y.

TRADE SLOWS UP.

The cold weather the latter part of the week has forced the trade to slow up, but on the whole it is in a pretty good condition. During the week cat-tleyas were abundant but the sales slow. Carnations are coming in very poorly. Roses, violets and daffodils have been moving well all week.

NOTES.

George B. Hart has been appointed to the committee on agriculture and horticulture of the chamber of commerce.

W. H. Dildine has been appointed to the committee on postal facilities of the chamber of commerce.

Primula obconica as a cut flower is, to all appearances, being displaced by the Primula malacoides.

Ambrose Secker is with J. B. Keller's Sons in their retail store.

H. J. Head has been taken to the hospital for an operation.

George Boucher is now running his new automobile.

Wholesale Flower Markets

NEW YORK, Feb. 5.		Per 100
Roses, Beauty, special.....	75 00@100 00	
" extra and fancy.....	40 00@50 00	
" No. 1 and No. 2.....	2 00@15 00	
Bride, Bridesmaid special.....	5 00@ 8 00	
" extra and fancy.....	3 00@ 4 00	
" No. 1 and No. 2.....	1 00@ 3 00	
Killarney, My Maryland.....		
" special.....	6 00@10 00	
" extra.....	4 00@ 6 00	
" No. 1 and No. 2.....	1 00@ 3 00	
" Queen special.....	10 00@12 00	
" Red, special.....	10 00@12 00	
Hillingdon, Aaron Ward.....	12 00@15 00	
Richmond.....	6 00@25 00	
Sunburst, special.....	6 00@10 00	
Taft, special.....	12 00@15 00	
Mrs. Geo. Shawyer, special.....	15 00@25 00	
Carnations.....	1 00@ 4 00	
Jonquils.....	2 00@ 3 00	
Cattleyas.....	25 00@50 00	
Gardenias.....	10 00@30 00	
Tulips.....	1 00@ 2 00	
Lilies, Longiflorum and Harrisii.....	6 00@ 8 00	
L. Rubrum.....	10 00	
Lily of the Valley.....	2 00@ 4 00	
Narcissus, Paper White.....	1 00@ 1 50	
Sweet Peas...per doz. bunches.....	50@1 00	
Violets.....	25@ 40	
Adiantum Croweanum.....	15@ 50	
Asparagus Plumosus...doz. bchs.....	1 50@ 3 00	
Smilax.....per doz. strings.....	1 00@ 1 25	
Lilac.....per bunch.....	50@75c	
Freesias...per doz. bun.....	1 50@2 00	

Visitors this week are: — Stearn of Sefton Mfg. Co., Chicago; R. H. McKerr of Canandaigua, N. Y.; A. C. C. Appon of Canandaigua, N. Y.; James P. Boyle, of Lyons, N. Y., and Charles White of Medina, N. Y.

H. J. H.

Alabama State Horticultural Society.

OFFICERS FOR 1913.

At the meeting of the Alabama State Horticultural Society, Bay Minette, January 23-25, the following officers were elected:

J. H. McCary, president; H. P. Lodging, vice-president first district; W. B. Brown, vice-president second district; D. C. Turnipseed, vice-president third district; P. K. Villadsen, vice-president fourth district; J. A. Kernode, vice-president fifth district; Thos. Bridgen, vice-president, sixth district; C. W. Stubblefield, vice-president seventh district; H. B. Chase, vice-president eighth district; E. J. Bryan, vice-president ninth district; J. C. C. Price, Auburn, secretary-treasurer. Executive committee—Prof. J. F. Dugger, R. W. Wood, Auburn; Mrs. J. H. Hard, Birmingham. Rev. J. W. McCary, New Decatur, chaplain.

Boston.

ROSES STILL SCARCE.

Saturday saw a change in the weather. It is now decidedly chilly and ice seems assured. The market is good. Roses are still scarce and are easily sold. They bring good money. Carnations have taken a drop. Trade on other things is about the same.

NOTES.

We met C. W. Hudson, representing Benjamin Hammond, Fishkill, N. Y. He was making his usual circle, renewing friendships, booking orders like the bird out after the early worm. When not on the road he finds much pleasure and recreation on his farm, he having moved his family out of Fishkill to broad acres in the country. The farm is under the management of his son and is a success. The hap-

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 28th Street,

Telephone No. 756
Madison Square,

NEW YORK

The Kervan Company

FRESH CUT EVERGREENS

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Open for Cut Flower Sales
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Desirable wall space to rent for advertising.

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American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

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Successor to Kessler Bros.

113 W. 28th S., NEW YORK.

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WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.**Paul Meconi**

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A. J. GUTTMAN, President.

Wholesale Florists

55 W. 26th St., NEW YORK

Phone 1912 and 7983 Madison Square.

18 Years Experience.

py country life has given them all better vigor and red blood. We wish Mr. Hudson continued success in his new departure.

Your correspondent has the grip this week. MAC.

M. RICE CO.

HEADQUARTERS FOR UP-TO-DATE EASTER SUPPLIES AND RIBBONS.

Write for our New Easter Folder

1220 Race Street

PHILADELPHIA, PA.

The House That Never Disappoints.

Columbus, O.

BUSINESS INCREASING.

During the last week business has been on the increase. Society events have been numerous, calling for many decorations. Funeral work has been plentiful with plenty of stock suitable for designing. Business was greatly enlivened McKinley day. Everything was cleaned up. Roses are of good quality but not plentiful enough to supply all. Valley is moving nicely, being sold before it is ready to cut. For the last ten days sweet peas have been scarce.

NOTES.

Nothing more beautiful in the way of floral decorations for a social affair has been seen in this city than the arrangement of flowers at the dinner given by F. W. Schumacher and wife at the Columbus Club for Governor Cox. The decorations were an exact reproduction of those at the dinner given for Lord Kitchener at Shepherd's, in Cairo, Egypt, recently. The design was sent from Germany to F. C. Viereck and carried out very effectively by him. Each woman guest was presented with a large corsage bouquet of violets and lilies, and the men received boutonnières of lilies.

Ralph Knight reports bad luck with his sweet peas. The plants are looking fine but are dropping all the buds.

The Art Floral Co. reports business good, having had a big run on American Beauties last week.

Sherman Stephens says trade is good. Many telegraph orders are received.

Underwood Bros. had a big week, all the staff being busy at the designing tables.

The Ohio Floral Co. reports many orders for corsage and bouquet work.

Visitors for the week were: Fred Lembke, Chicago; I. Rosnosky, Philadelphia, and S. S. Skidelski, Philadelphia, Pa. L. S. B.

Pittsburg.

ROSES VERY SCARCE.

This week finds us amid another great scarcity of stock, particularly of roses. Carnations are coming in in quantities satisfying to all, and the quality is fine. Gardenias are still plentiful, as are also cattleyas. Lilies are rather scarce, but an abundance of fine white lilac is coming in, which takes their place to some extent.

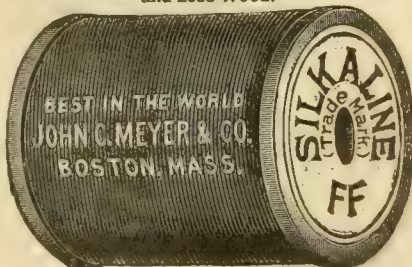
NOTES.

At the meeting of the Pittsburg Florists' Club Tuesday night the following officers were elected: Neil McCallum, president; E. C. Reineman, vice-president; T. P. Langhans, treasurer; H. P. Joslin, secretary; W. A. Clarke, assistant secretary; executive committee, P. S. Randolph, C. H. Sample and Aug. Frishkorn. Cultural certificates were awarded to Carl Becherer for collection of plants, and Jas. Wiseman for carnations. A reception committee was appointed to prepare for the banquet to be given President-elect McCallum at the next meeting.

M. C. King, the Washington, Pa., florist who sold out to B. W. Spragg recently, has accepted a position with his former employers, the A. W. Smith Co.

Jos. Thomas dropped down from Greensburg Sunday, reporting a heavy run on funeral work, which takes his cut of carnations very quickly.

Do Not Take Any Fake Green Thread. Use the Genuine Silkline and Get More Thread and Less Wood.



JOHN C. MEYER & CO.,

Lowell Thread Mills,
1495 Middlesex St.,

Lowell, Mass.

Silkline also is made in all leading colors, as Violet for bunching violets, and also for tying fancy boxes

The MEYER Green

SILKALINE

Used by Retail Florists for mossing funeral designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it will not fade or rot in the greenhouse. The Meyer Silkline was the first green thread to be introduced among Florists and Growers. It is handled by the best houses everywhere, but it should be ordered by name Meyer's Silkline—to be sure of getting the genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the manufacturers. Price for any size or color, \$1.25 per lb. Sizes "F" fine, "FF" medium, and "FFF" coarse.



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50 pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c. 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

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DETROIT, MICH.

ATTENTION RETAILERS! No Jobbers' Profit Added to These Prices. Dlr. ct from the Mountains to YOU.

	Per 1000	Per case		Per 1000	Per case
Green and Bronze Galax.....	50c	\$4.00..(10,000)	Green Leucothoe (Long).....	\$2.00	3.50..(2,000)
Dagger Fern.....	70c	3.25..(5,000)	Green Leucothoe (Short)...	1.00	1.75..(2,000)
Fancy Fern.....	65c	3.00..(5,000)	Rhododendron Leaves.....	50c	2.00..(5,000)

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Terms Cash. Prompt Shipment. No orders too small to have our attention.

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Aaron Buchanan

Wholesale Florist

HAWK, N. C.

NEW STOCK

Bronze Galax, \$3.50 per case of 10,000; Dagger Ferns, \$3.00 per case of 5,000, cases of 10,000 \$5.50; Log Moss, \$1.00 per 2 bu. bag. Cash with order.

CUT FERNS, Best Quality

1,000 at \$1.35;
2,000 at \$2.60;
5,000 or over \$1.20 per 1000

Robert Groves, 127 Commercial St. ADAMS, MASS.

SOUTHERN WILD SMILAX

New crop now ready Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

E. P. Hostetter of Manheim is consigning some very fine carnations and peas to this market, which find ready sale.

Theo. Verscharen is cutting some very fine tulips, which he is consigning to the McCallum Co.

Howard Carney has severed his connections with J. B. Murdoch & Co.

Visitors: — Kennedell, the Tarentum Floral Co., Tarentum, Pa.; B. W. Spragg, Washington, Pa.; Julius Dilloff, Schloss Bros., New York. J.

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of



Evergreens

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.,



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Natural and Perpetuated Sheet MOSSES

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IN STANDARD SMILAX CASES, \$2.50

A most pleasing substitute for Green Wild Smilax
New crop Fancy and Dagger Ferns now ready.
Write wire or phone.

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Everything in Southern Evergreens.

EVERGREEN, ALABAMA.

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DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

DULUTH, MINN.

2 STORES 2

SUPERIOR, WIS.

J. J. LEBORIUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

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Chicago. Des Moines.

ALPHA FLORAL CO.

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Largest and most centrally located store in the city. All orders given prompt attention.

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WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS

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To out-of-town florists
We are in the Heart of **NEW YORK**

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

**The Texas Seed and
Floral Company**

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street

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St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
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LEADING FLORISTS OF THE NORTHWEST.

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Mention the American Florist when writing



FROM NEW YORK EXCEPT AS NOTED.

February 7.

FROM ST. JOHN, Empress of Ireland, Can-
Pacific, 12 noon.

February 8.

Cameronia, Anchor, 9 a. m., Pier 64, North Pier.
FROM PORTLAND, Asconja, Cunard.
Florida, French, 3 p. m., Pier 57, North River.
Rochambeau, French, 3 p. m., Pier 57, North
River.
Oceanic, American, 12 noon, Pier 62, North River.
Amerika, Ham.-Amer., 10 a. m.
Martha Washington, Austro-American, 1 p. m.
Russia, Russian-American, 2 p. m.
San Juan, Porto Rico.
FROM NEW ORLEANS, Montoso, Porto Rico.
Tennyson, Lamport & Holt.

February 9.

FROM PHILADELPHIA, Prinz Adalbert, 11
a. m.

February 10.

Portuguese, Prince, Prince.

February 11.

FROM BOSTON, Arabic, White Star, 2 p. m.
Potsdam, Holland America, 10 a. m.
Hilarius, Houston.

February 12.

Mauretania, Cunard.
Utonia, Cunard.
Kronland, Red Star, 10 a. m., Pier 61, North
River.
Philadelphia, Red "D," 12 noon.
Hylas, Houston.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

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Member Florists' Telegraph Delivery.
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We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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Kansas City, Mo.

**WILLIAM L. ROCK
Flower Co.**

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

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Buffalo, N. Y.

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Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

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**"Penn, The Telegraph Florist"**

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Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Carbone, Phillip L., Boston.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. E., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Hoffman, 59 Mass Ave., Boston.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Ostertag Bros., St. Louis.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Parker, John L., Birmingham, Ala.
Pelicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 50th St., New York.
Shaffer, Geo., A. W., Pittsburg, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Williams, Mrs. E. A., Pittsburg.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing

GUDE BROS. CO.
FLORISTS
1214 F ST NW
WASHINGTON D.C.**WASHINGTON
D. C.****Gude's**

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Indianapolis, Ind.

**Bertermann Bros. Co.
FLORISTS**

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

**The Park
Floral Co.**J. A. VALENTINE
President.

Members Florists' Telegraph Delivery.

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

PELICANO, ROSSI & CO.,
123 KEARNY ST.

Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.
Mention the American Florist when writing

M. A. Rowe

IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.
Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones.
Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

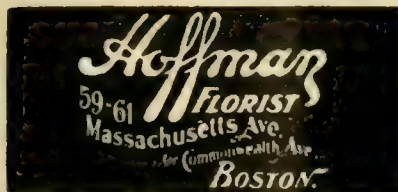
Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE



Montreal

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists'
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Birmingham, Ala.—John L. Parker.
Boston—Phillip L. Carbone.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Rowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburg—Mrs. E. A. Williams.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—Ostertag Bros.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Heul & Son.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Blackstone.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to
orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES
FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of
GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822

Member Florists' Telegraph Delivery,

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heint)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.

Jefferson and Washington Ave.

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Cincinnati.

DEMAND ONLY FAIR.

While the market is apparently firm, when you analyze it it is not as bright as it seems on the surface. The demand is fair. If it was larger there would be a very positive shortage of some lines of stock. Shipping business is very good. Roses are selling up as fast as they come in. Most all of them are of a very high quality. The demand extends evenly to all colors, but the pink, being in a more limited supply than the others, clean up the fastest. The carnation supply is shortening considerably. The good first-class stock that arrives is selling nicely. There is, however, a considerable number of carnation arrivals that will not bear close inspection any too well. Most are soft and many are just ready to sleep. They have evidently been held too long before being shipped into the city. Bulbous stock of all kinds is in an over-supply. There are many short tulips that find a very poor market. The large receipt of jonquils and daffodils has forced the price of these down a little, but not far enough to cause a serious drop. Paper Whites have slackened considerably. Freesias, too, are for sale. The offerings of valley are excellent in quality. Other offerings include violets, both double and single, orchids and sweet peas. The last named are selling quickly.

NOTES.

Henry Nieporte, the amiable printer at the J. W. McCullough's Sons Co., and Miss Julia Vogt were married last Wednesday.

Wm. Gardner, manager of P. J. Olinger's greenhouses in New Castle, Ind., was in the city the middle of last week.

C. E. Critchell has been getting in some very fine valley and daffodils from W. R. Miller Sons' of Covington, Ky.

Julius Dilloff, representing Schloss Bros., New York, called on trade in this town last Tuesday.

E. G. Gillett and wife have as their guests Mr. and Mrs. Ohmer and daughter.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gift, that may be entrusted to them

Louisville, Ky.

F. Walker & Co.,
FLORISTS

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

Mention the American Florist when writing

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838—
CANAL ST.

Mention the American Florist when writing

Washington, D. C.

Blackstone.

14th and H. Street.

Mention the American Florist when writing

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.

Mention the American Florist when writing

Boston, Mass.

Philip L. Carbone

IMPORTER, FLORIST, AND DECORATOR

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

"Get them at Dreer's"

TUBEROUS-ROOTED BEGONIAS

GLOXINIAS

FANCY-LEAVED CALADIUMS

BEGONIAS

Single in Separate Colors. Scarlet, crimson, rose, white, yellow and orange. 40c. per doz., \$2.50 per 100, \$22.50 per 1000.

Single in Choicest Mixture. 35c per doz., \$2.25 per 100, \$20.00 per 1000.

Double in Separate Colors. Scarlet, rose, white and yellow. 60c. per doz., \$4.50 per 100, \$40.00 per 1000.

Double in Choicest Mixture. 50c per doz.; \$4.00 per 100, \$35.00 per 1000.

Frilled in Separate Colors. Scarlet, white, pink and yellow. These are with wavy and frilled petals like some of the newer Petunias. 85c per doz., \$6.00 per 100.

Dwarf Hybrid Lafayette. Brilliant crimson scarlet. \$1.50 per doz., \$10.00 per 100.

Dwarf Hybrid Duke Zeppelin. Pure rich scarlet. \$1.00 per doz., \$7.00 per 100.

CALADIUMS, Fancy-Leaved

The finest collection ever offered, and the most extensive stock in America.

Choice Standard Varieties. \$1.75 per doz., \$12.00 per 100, \$100.00 per 1000.

Choice Rare and New Varieties. \$2.25 per doz., \$15.00 per 100, \$140.00 per 1000.

Recent Introductions. \$3.50 per doz., \$25.00 per 100.

Choicest Mixture. \$1.50 per doz., \$10.00 per 100, \$95.00 per 1000.

GLOXINIAS

Dreer's Superb in Choicest Mixture or in Separate Colors. As blue, red, white, red with white edge and blue with white edge. 60c per doz., \$3.50 per 100; \$30.00 per 1000.

New Emperor. (Hybrida Imperialis) in choicest mixed varieties. 85c. per doz., \$6.00 per 100.

OUR USUAL SUPERIOR STRAIN. YOU CAN
BUY CHEAPER, BUT NOT BETTER STOCK.



HENRY A. DREER, Inc.,

714 Chestnut Street,
PHILADELPHIA, PA.

THE ABOVE PRICES ARE INTENDED FOR THE TRADE ONLY.

Hydrangeas

Pot Grown for Forcing.

ALL IN 6-INCH POTS

Otaksa, with 5 and 6 branches.....	\$20 00
Otaksa, with 4 branches.....	15 00
Otaksa, with 3 branches.....	12 00
Otaksa, with 2 branches.....	10 00
Thos. Hogg, with 5 and 6 branches	20 00
Souvenir de Claire, with 7 and 10 branches.....	25 00

Now Ready for Delivery

Shall we send by freight or express?

Jackson & Perkins Co.

WHOLESALE ONLY

Florists and Nurserymen

Newark, - New York

Mention the American Florist when writing

Franzen's Seeds Sure to Grow.

Asters, Queen of the Market.....oz.	\$0.50
Ageratum, Blue.....oz.	\$0.60
Albysum, Little Gem.....	.30
Lobelia, Emperor William, Blue.....	.75
Fansy, Giant Strain.....	1.25
Petunia, Superfine Mixed.....	.75
Phlox, Drumundii Mixed.....	.55
Stock, Ten Week Double.....	1.00
Verbena Hybrida, Mixed.....	.55
F. O. FRANZEN, 1476 Summerdale Av., Chicago	

Send for trade list.

Rooted Carnation Cuttings

BIG VALUE AT THE PRICES QUOTED:

Beacon, White Enchantress, Enchantress, Rose
Pink Enchantress and White Perfection, \$2.00
per 100; \$17.50 per 1,000.

Rooted Rose Cuttings

White and Pink Killarneys, \$3.00 per 100;
\$27.50 per 1000. Richmond, \$1.75 per 100;
\$15.00 per 1000. Mrs. Aaron Ward, \$4.00
per 100; \$35.00 per 1000.

PETER REINBERG

30 East Randolph Street

CHICAGO, ILL.

Geraniums and Coleus

Ricard and Poltevine, \$15.00 per 1000. S. A. Nutt,
\$12.50 per 1000; next delivery about March 17.
G. Bedder, Vers., and general assortment \$6.00 per
1000; ready almost any time.
Plumosus, just right for Easter pans, sample, 10
cents; 100, \$2.50.

Safe Delivery Guaranteed.

Albert M. Herr, Lancaster, Pa.

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Mention the American Florist when writing

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Millford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

VISITED CHICAGO: A. B. Haven, of
the Haven Seed Co., Santa Ana, Calif.

ROCKFORD, ILL.—The case of P. Ho-
henadel versus Buckbee has been non-
suited.

A. H. GOODWIN and wife, of Chicago,
are motoring in the Chateau district,
Paris, France.

IT is reported from Holland that at
a recent sale 100 each Panama and
Niagara gladioli brought \$1,000.

RIVES JUNCTION, MICH.—E. E. Stew-
art has bought a large farm at Brook-
lyn, Mich., and will move there about
April 1.

AT Chicago strictly fancy small onion
sets free from sprouts and likely to
keep well into March are none too
plentiful.

PELAGONIUM ZONALE, Centaurea can-
didissima and Lobelia cardinalis are
about the shortest items in the flow-
er seed line this year.

SANTA BARBARA, CALIF.—J. Chas.
McCullough, of Cincinnati, O., was
here January 15 after spending a week
at the Santa Ynez ranch of Trimble
McCullough.

TARIFF.—We understand that any
action taken on the tariff at this ses-
sion of congress dies with this session
unless it has the signature of the
president.

THE annual convention of the Na-
tional Cannery Association will be held
at Louisville, Ky., February 10-15, in-
clusive, with headquarters at the Seel-
bach hotel. Machinery Hall has been
reserved for the great exhibition to be
held in connection with this meeting.

CLEVELAND, O.—Seeds for the rais-
ing of vegetables of every adaptable
variety will be distributed by the city's
special bureau again this spring. It is
planned to have every vacant lot in
the city under cultivation. Prizes will
be awarded at an exhibition next
fall.

Advices from southern France in-
dicate that white Roman hyacinths
are just coming into flower. It is
hoped that the crop will be healthy as
the winter has been rather dry but
the question of an abundant crop de-
pends on the rains which usually come
in March and April. Liberal rains in-
sure a larger output of good sized
bulbs. The same condition applies to
Narcissus grandiflorus.

Chicago.—Prices on the Board of
Trade February 5 for grass seed were
noted as follows: Timothy, \$3.25 to
\$4.25 per 100 pounds.—Carl Cropp of
Vaughan's Seed Store counted in an-
other year this week.—Arnold Ringier,
of the W. W. Barnard Co., is com-
pleting an extended tour of the trade,
being at Baltimore, Md., February 3,
and expects to attend the cannery
convention at Louisville next week.

JACKSON, MICH.—It is reported that
the Jerome B. Rice Seed Co. will oc-
cupy a big warehouse, formerly used
as an automobile factory, here the
coming season.

THE boys' corn club contests insti-
tuted a few years ago by Secretary
Wilson of the Department of Agricul-
ture, furnish the subject for a cir-
cular issued recently by the Depart-
ment. The importance of keeping the
youth interested in farm life and the
value of co-operative club work are
pointed out.

WARNÄAR & Co., Sassenheim, Holland,
are sending out a set of colored plates
of five varieties of gladioli. Among
them are Princeps, America and Baron
J. Hulot. They are printed in Holland
by a process entitled "Luminochrome"
and the size of the plates is 6¼x12½
inches. The reproductions of the nat-
ural colorings are very good.

THE quantity of potatoes in the
hands of the growers January 1, 1913,
according to the Crop Reporter was
about 39.8 per cent of the total quan-
tity raised for market in 1912. A year
ago the per cent of the crop still held
was 33.1. The quantity in the hands
of dealers on January 1, 1913, was
about 9.8 per cent of the total crop.

Proposed Kansas Seed Law.

Seedsmen and professors of the
Kansas State Agricultural College,
Manhattan, Kans., met recently and
drew up a bill which may be present-
ed, with some changes, to the leg-
islature and which provides against
the selling of seeds containing noxious
weeds and the mis-labeling of seeds.
The proscribed weeds, according to the
proposed law are: bindweed, Johnson-
grass, quack-grass, Canada thistle and
sow thistle. Dodder in amounts great-
er than one seed per each five gram
sample taken from a mixed repre-
sentative bulk sample of not less than
two ounces in weight is also prohib-
ited. The label must contain the full
name and address of the seller, the
name and kind of seed and the com-
mon name of the noxious weeds.
Weeds designated as noxious are:
wild oats, chicory, Russian thistle,
fox tail, crabgrass, wild buckwheat,
cheat, mustard, French weed, pepper-
grass, shepherd's purse, yellow tre-
foil, wild carrot, buckhorn and broad
plantain.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

Section 5 provides for the dating of
papered or packet seeds, which was
found impracticable in the Vermont
state law and discontinued.

Section 8 should be changed to in-
clude the words willingly and know-
ingly, reading "Whoever willingly and
knowingly sells, or offers or exposes
for sale," etc., instead of "Whoever
sells, or offers or exposes for sale,"
etc.

Section 12 gives the experiment sta-
tion commissioner authority in set-
tling seed questions but in our opin-
ion seedsmen involved in such ques-
tions should be in position and have
the legal right to call in other au-
thorities.

Provision should be made to make
the farmer grower responsible for the
adulterants he sells in his seeds as
well as the dealer who buys them.

Seedsmen and the Parcels Post.

Some of the western seedsmen are
dissatisfied with the new parcels post,
as it relates to the seed business. They
claim that the original intention of
the special regulation regarding seeds
was to give seeds a better grade rate
than other merchandise. Under the
new ruling the carrying charges for
seeds, and this applies principally as
far as western houses are concerned
to short hauls, is much higher than
other merchandise.

The result of these mixed systems
places mail order seed houses, which
are located far away from their cus-
tomers, at a decided advantage over
the local seedsmen; the latter, if given
for seeds the privileges of the regular
parcels post zone system, could make
their local deliveries to much better
advantage than under the regular seed
rates.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Let-
tuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,

Grand Rapids, Mich.

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers

SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS

DAMMANN & CO.,
Seed Merchants to His Majesty the King of Italy
SAN GIOVANNI A TEDUCCIO, near Naples
Established 1877.
Headquarters for **CAULIFLOWER** and **WHITE**
TRIPOLI ONION SEED, (Crystal Wax), and
all other **VEGETABLE** and **FLOWER SEEDS**
THE LARGEST GROWERS IN ITALY.
Ask for Catalogue and Special Offers.

R. & M. GODINEAU,
SEED GROWERS,
Angers - France.

Specialties: Beets, Mangoes, Carrots, Cabbages,
Celeries, Parsleys, Parsnips, Turnips.
Growing Crops Given Personal Attention.

ROSES, CARNATIONS,
PLANTS, SEED, BULBS.

Send us your wants. We will take care of them.
We supply stock at market price. Catalogue for
the asking.

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1215 Betz Building, PHILADELPHIA, PA.

Henry Fish Seed Co.
Bean Growers

For the Wholesale Seed Trade.
CARPINTERIA. CALIF.
Mention the American Florist when writing

WATERMELON SEED
1913 Contracts for the Trade.

Grown under rigid inspection, isolated
and carefully selected.

HUGH M. TAYLOR, Trade Grower.
LOYD, FLORIDA.

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SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.
EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

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TOMATO SEED

Best Stocks. All Varieties.
THE HAVEN SEED CO.
Growers for the Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

—FOR—
SEEDS
OF ALL KIND APPLY TO
W. W. Johnson & Son, Limited
Boston, England

BURPEE'S SEEDS
PHILADELPHIA
Wholesale Price List for Florists
and Market Gardeners.



GEORGIA RATTLESNAKE WATERMELON and **LONG YELLOW CANTALOUPE MUSKMELON**
grown under irrigation by

WESTERN SEED & IRRIGATION CO.

Seed Growers and Dealers. Specialties: Cucumber, Musk
and Watermelon, Pumpkin, Squash, Sweet and Field Corn.
FREMONT **NEBRASKA**

BEANS, PEAS, RADISH
and all Garden Seeds

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226-230 W. KINZIE STREET, CHICAGO
ONION SETS **GROWERS FOR THE TRADE**
Write for Prices.
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RATEKIN'S SEED CORN

OLDEST ESTABLISHED AND LARGEST WHOLESALE AND CONTRACT SEED CORN
GROWERS IN THE UNITED STATES: Have made this our specialty for over thirty years. We
grow all the leading standard, best varieties of field Dent, Flint, and Sweet sugar corn, for the
Wholesale Trade. Write or wire us for prices and quotations for immediate or future shipments,
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LAWN GRASS SEED
WHOLESALE ONLY
J. OLIVER JOHNSON
1874-76 Milwaukee Avenue **CHICAGO, ILL.**

Onion Seeds--Onion Sets We are Extensive Growers and Dealers
Write for prices on the 1912 crop.
We are also submitting contract figures
for the 1913 crop of Onion Seed. **SCHILDER BROS., Chillicothe, O.**

JAPAN CLOVER SEED **S. D. WOODRUFF & SONS**
Booking orders for January shipment.
Prices on application.
Contract with us for **Genuine Bermuda Onion**
Seed, delivery next fall, grown by T. M. Reid.
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Dealers in Garden, Field and Flower Seeds
Specialties, Potatoes, Onion Sets, Garden and
Flower Seeds. Contract Taken
Catalogue Free. **ORANGE, CONN.**
82 & 84 Dey St. NEW YORK

The Early Advertisement Gets There

TO THE TRADE.

WARNAAR & CO., - - SASSENHEIM, HOLLAND

Growers and Exporters of Hyacinths, Narcissi, Tulips, Gladioli, Spireas, Dahlias, Etc.

NOVELTIES FOR 1913.

NEW SPIREAS.
America. Fine foliage and elegant lilac rose flowers, a perfect new color.
Avalanche. A pure white one, of great merit.
Queen Alexandra Improved. A deeper and better pink than the common variety. Extra for cold storage.
Philadelphia. Lavender pink. Unique color.

NEW DAHLIAS.
 Our Mr. Hornsvelt is the originator of the Paeonia Dahlia. Our varieties **Geisha, Bertha von Suttner, Germania, Lovink, Duke Henry, Dr. Peary, etc.,** have already a world-wide reputation and are money makers for every buyer.

MRS. VAUGHAN, a new yellow decorative dahlia of rare beauty, will be distributed in 1914. We received twenty first-class certificates and awards for new dahlias in 1912. Descriptive catalogue and prices on application. Early ordering will avoid disappointment to buyer and seller.

SPRING DELIVERY. On hand—Glad. **America, Bar. Hulot, Princeps, Hailey** and all the newer varieties. Bulbs in all sizes and bulblets.

Please address letters until May 1st, 1913, to **WARNAAR & CO.,** care of **MESSRS. J. W. HAMPTON, JR. & CO.,** 17 Battery Place, New York City.



Once Grown Always Grown

Maule's Seeds

Endorsed by more than 450,000 progressive gardeners as the best ever

My new Seed Catalogue is a wonder. Contains everything in seeds, bulbs, small fruits and plants worth growing. 600 illustrations; 176 pages. Any gardener sending his name on a postal card can have it for the asking. Send for it today. Address

WM. HENRY MAULE
 1707-09-11 Filbert St., Philadelphia, Pa.

Send 5 cents (stamps) mention this paper, I will enclose in the catalogue a packet of the above **GIANT** pansy.

NEW SINGLE ROSE IRISH FIRE FLAME.

A new departure in Roses for winter forcing. **IRISH FIRE FLAME** is a single rose with only five petals, and is the most striking and the best single rose Messrs. Alex. Dickson & Sons have ever raised. It flowers profusely during the winter months, producing both single flowers and sprays of from three to five buds.

The bud is an intense fiery crimson scarlet at the tip, shading at the base of petals to orange salmon; the open flower is a beautiful bright salmon. It is of strong vigorous growth, with dark green foliage, reverse of leaf deep bronze.

We have tested this rose for two years, and can confidently recommend it as a sterling novelty in Roses.

It has been awarded a Gold Medal by the National Rose Society of Great Britain, and has taken several prizes for table decoration.

Grafted stock, \$35.00 per 100; \$300.00 per 1000.

Own Root, \$30.00 per 100; \$250.00 per 1000.

Grafted plants, March delivery, Own Root in April.

GRAFTED ROSES.

We graft our Roses early on Dicksons' Irish Manetti Stock from firm flowering wood, and the result is strong vigorous plants in March and April.

Budlong's Double White Killarney and **Sunburst**, \$20 per 100, \$150 per 1000

Killarney, Waban White Killarney, My Maryland, Mrs. Aaron Ward. and **Lady Hillingdon**, \$15.00 per 100; \$120.00 per 1000.

ORDER NOW.

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We have on hand a considerable quantity of Begonias, of the best quality. We will be pleased to quote prices on application that we are sure will interest you. Our quality is standard—the highest.

Gloxinias

If you need any Gloxinias. Red, White, Blue. Spotted or Mixed, drop us a postal for quotation.

Have you a copy of our Florists' Catalog?

J. M. THORBURN & CO.,
 33 Barclay St., New York City.

Tuberous Rooted Begonias



	Doz.	100	1000
Single sorts—white, scarlet, yellow, pink			
	\$.40	\$2.50	\$22.00
Single sorts—mixed.	.35	2.25	20.00
Double "—white, scarlet, yellow, pink			
	\$.65	\$4.50	\$40.00
Double sorts—mixed	.60	4.00	37.50

Gloxinias

Grassifolia Grandiflora

All the spotted and Tigered variations in sound bulbs.

	Doz.	100	1000
Separate colors....	\$.60	\$3.50	\$30.00
Choice mixture....	.50	3.20	28.00

Spiraea Clumps

	Per 100
Gladstone.....	\$ 8.00
Floribunda.....	6.00
Japonica.....	5.00

Lily Bulbs

	Per 100
Album, 8-9 inch.....	\$ 9.00
Album, 9-11 inch.....	12.50
Auratum, 8-9 inch.....	6.00
Auratum, 9-11 inch.....	10.00
Rubrum, 8-9 inch.....	6.00
Rubrum, 9-11 inch.....	9.00

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Florists' Catalog.

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NEW YORK**

VICK Quality VICK Aster Seed

Aster Book Now Ready

Indispensable for Commercial Growers

Send for copy today

James Vick's Sons
ROCHESTER, N. Y.

Pansy Plants.

	Per 100
Giant Flowering, small plants..	\$2.50 per 1000 .50
Asparagus Plumosus, 2 inch pots.....	\$2.00
Geranium S. A. Nutt and four other varieties, \$25.00 per 1000.....	3.00
Geranium, Mad. Buchner, all 2½ inch pots.....	2.00
Obconica Primroses, 2¼ inch pots, \$12.00 per 1000.....	1.50
Alternanthera rooted cuttings red & yellow.....	.50
Coleus, 10 varieties April 1st, 2¼ inch pots.....	2.00

CASH OR C. O. D.

JOSEPH H. CUNNINGHAM, Delaware, Ohio

SPIRAEA

Strong Clumps, with Plump Eyes

	Per doz.	100
Floribunda.....	\$1.00	\$7.00
Gladstone.....	1.25	9.00

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352 N. Michigan Ave., CHICAGO
Phone Randolph 2571.

Friedrich Kohlschreiber,
HAMBURG 24, GERMANY

Importer and Shipper of

All Sorts of Palm Leaves,
Ferns and Mosses.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn

Correspondence Solicited.

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PEDRICKTOWN, N. J.

Flower Colors

Use our Color Chart in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

O S. Dearborn Street, CHICAGO

"Superb Quality" FLOWER "Seeds for Florists"

"SUPERB QUALITY."

The "Very Best" in everything that we offer. Write for our "trade list" No. 5.
We have reserved one for you. Do not fail to get it. It
describes everything for the Florist.

Ageratum—Dwarf Blue, ¼ oz. 15c. Mexican Blue, White, each, ¼ oz. 10c.
Alyssum—Little Gem, Dwarf white, ½ oz. 20c. oz. 30c. Sweet, White, oz. 15c, ¼ lb. 40c.
Antirrhinum (Snap Dragon), Giant—Pink, Scarlet, each..... ¼ oz. .15
White, Yellow, each..... ¼ oz. .15
Mixed..... ¼ oz. 15c, 1 oz. .40
Asparagus Sprengeri—100 seeds for 20c; 1000 for 90c.
Asparagus Plumosus Nanus—100 seeds for 55c; 1000 for \$4.00.

ASTERS.

We assert that no one can have a superior stock of the various asters. See catalog No. 2 for description of novelties.

Aster, Lady Roosevelt—A splendid new variety. Trade pkt. 25c, ½ oz. 60c.

Crego Asters—Magnificent late cutting Asters. Rose, Lavender and White. Trade pkt. 30c, ½ oz. 40c.

Rose King—Enormous quilled flowers fine for cutting. Trade pkt. 35c, ½ oz. 40c.

Violet King—Identical with the above, except in color, which is a pure violet. Trade pkt. 25c, ½ oz. 40c.

Royal Stripe—Large double flowers, striped blue and white, with long stems, fine for cutting. Trade pkt. 25c, ½ oz. 75c.

Vick's Mikado—A large graceful flower for cutting. Pink, White and Rose. Trade pkt. 35c, ½ oz. 45c.

Lavender Gem—A splendid early pure lavender, no yellow centers, very popular with florists. Trade pkt. 35c, ½ oz. 50c.

Snowdrift—A fine early long stemmed, pure white. Trade pkt. 35c, ½ oz. 50c.

Giant Comet—Mixed. ¼ oz. 35c, oz. 1.25

Daybreak—A fine pink flower for cutting..... ½ oz. .30

Purity—White flowers similar to above..... ½ oz. .30

Queen of the Market—Dark Blue, Crimson..... each ½ oz. 15c, ½ oz. .40

Light Blue, Pink..... ½ oz. 15c, ½ oz. .40

Snowdrift pure white..... ½ oz. 15c, ½ oz. .40

Mixed..... ½ oz. 10c, ½ oz. .30

Branching—Late—Flowers large double on long stiff stems, excellent for cutting. White.

Flesh, Pink..... each ½ oz. 15c, ½ oz. .50

Lavender..... ½ oz. 15c, ½ oz. .50

Pink, Purple..... each ½ oz. 15c, ½ oz. .50

Dark Red..... ½ oz. 15c, ½ oz. .50

Mixed..... ½ oz. 20c, 1 oz. .75

Balsam—Camellia flowered, double mixed..... oz. .40

BEGONIA SEED [all varieties.]

Gracilis Luminosa, Ruby, Prima Donna, Triumph, Erfordia, Erfordia

Superba. All uniform. Trade pkt. .25



59 Years of Satisfactory Service and a mark of true

"SUPERB QUALITY."

Candytuft —Empress, very large, pure white..... oz. .20	
White Rocket..... oz. .15	
Little Prince, dwarf, large flowered white..... oz. .25	
Celosia —Glasgow Prize, Dwarf, Crimson..... ½ oz. \$0.20	
All-a-Glow, Dwarf, Scarlet..... ½ oz. .20	
Empress, Semi-Dwarf..... ½ oz. .20	
Ostrich Feather, Mixed, Tall..... ½ oz. .10	
Ostrich Feather, Mixed, Dwarf..... ½ oz. .20	
Centaurea —Gymnocarpa..... ½ oz. .20	
Imperialis, Mixed, fine for cutting..... ½ oz. .10	
Margaret White, fine for cutting..... ½ oz. .15	
Cineraria Maritima , trade pkt. 10c, oz. .25	
Cobea Scandens , Purple..... oz. .30	
Coleus Finest Hybrids —Mixed, trade pkt..... oz. .50	
Dracaena Indivisa , trade pkt. 10c, oz. .45	
Grevillea Robusta oz. .50	
Ipomea Grandiflora (Moonflower)..... oz. .40	
Ipomea Heavenly Blue oz. .50	
Ipomea Setosa oz. .20	
Lobelia , Erinus Speciosa, deep blue, trailing variety..... ¼ oz. .20	
Crystal Palace Compacta, best for bedding..... ½ oz. .20	
Mignonette , Machet..... oz. .25	
Grandiflora , large flowering..... oz. 10c, ¼ lb. .15	
Allen's Defiance oz. .40	
Petunia , Double Giant Flowered Grandiflora and Fringed Mixed..... 1000 seeds 1.25	
Giant Ruffled, trade pkt..... 1.00	
Single large flowered, Fringed, trade pkt..... .50	
Giants of California..... trade pkt. 1.00	
Rosy Morn, Rosy pink, white throat..... ½ oz. .40	
Single Striped and Blotched..... ¼ oz. .25	
Single Mixed..... ¼ oz. .15	
Howard's Star..... ¼ oz. .40	
Salvia , Splendens, trade pkt. 25c, oz. 1.00	
Clara Bedman, trade pkt. 40c, ¼ oz. .60	
Zurich..... trade pkt. \$1.00, ¼ oz. 2.00	
Smilax oz. 30c, ¼ lb. 1.00	
Stocks , Dwarf Large Flowering Double Ten Weeks, Mixed..... ½ oz. .25	
Brompton..... ½ oz. .35	
Giant Perfection Ten Weeks, Mixed..... ½ oz. .30	
Princess Alice, White..... ½ oz. .35	
Snowflake, for forcing..... 1-16 oz. .75	
Ten Weeks (separate colors)..... ½ oz. .35	
Thunbergia oz. .40	
Torenia Fournieri , trade pkt. 15c, ¼ oz. .50	
Torenia Baillonii , trade pkt. 25c, ½ oz. .50	
Verbena , (Mammoth Flowered) Blue and Purple Shades..... ¼ oz. 35c, oz. 1.00	
Pink..... ¼ oz. 35c, oz. 1.00	
Scarlet..... ¼ oz. 40c, oz. 1.00	
White..... ¼ oz. 35c, oz. 1.00	
Striped..... ¼ oz. 35c, oz. 1.00	
Mixed..... ¼ oz. 30c, oz. .75	

The above is only a partial list of "Superb Quality" seeds selected for Florists. See our various catalogs for descriptions.

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THE C. HERBERT COY SEED CO.
VALLEY, Douglas County, Neb.

Contract Growers of
High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin.
Sweet, Flint and Dent Seed Corn

KENTIAS.

Joseph Heacock Co.,
Wyncote, Pa.

See Price List of Last Week

Best Grafted Rose Stock

Pink Killarney, White Killarney, Double White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000, \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill. Killarney Queen, \$15.00 per 100; \$120.00 per 1,000.

OWN ROOT STOCK

Killarney, White Killarney, Prince de Bulgarie, Mrs. Aaron Ward, Melody, Lady Hillingdon and My Maryland, \$6.00 per 100; \$55.00 per 1,000. Richmond, 2½-inch, \$5.00 per 100; \$45.00 per 1,000. American Beauty, 2-inch, \$65.00 per 1,000 in 1,000 lots and \$60.00 per 1,000 in lots of 2,000 or over.

ROOTED CARNATION CUTTINGS

Enchantress, Lawson, Winsor, White Enchantress, White Perfection, and Beacon, \$2.20 per 100; \$20.00 per 1,000. May Day and Scarlet Glow, \$3.00 per 100; \$25.00 per 1,000. Gloriosa and Mrs. Ward, \$3.00 per 100; \$27.50 per 1,000.

The Above is All Select Stock and a Big Bargain at the Prices Quoted.

Poehlman Bros. Co., Morton Grove, Ill.

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A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School

Dent. A. F., Springfield, Mass.

Forcing Spiraea Clumps, Gladiolus, Etc.

	Per 100		Per 100
Spiraea Gladstone.....	\$5.50	Spiraea Superba.....	\$ 4.00
Spiraea Florabunda.....	4.00	Spiraea Queen Alexandra....	7.00

GLADIOLUS FORCING STOCK.

America. First Size.....	3.00	per 100,	25.00 per 1000
Medium Size.....	2.50	per 100,	20.00 per 1000
Mrs. Francis King.....	2.00	per 100,	18.00 per 1000

The Storrs & Harrison Co., Painesville, Ohio.

Mention the American Florist when writing

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Finest in the land, best mammoth varieties, true to name. Seedlings are disappointing, get the true stock, at 70c per 100, \$6.00 per 1000; Mrs. F. Sander, \$1.25 per 100, \$10.00 per 1000. Coleus, finest named varieties, a grand collection, at 70c per 100, \$6.00 per 1000. Pansies, Koerner's Prize Winners (German), large, fine plants, 50c per 100, \$4.00 per 1000. Daisies, California and Queen Alexandra, \$1.00 per 100, \$8.00 per 1000. Ageratum, 60c per 100, \$5.00 per 1000. Alternantheras, three varieties, very strong, 60c per 100, \$5.00 per 1000. Feverfew, "Little Gem" (True), \$1.25 per 100, \$10.00 per 1000. Salvias, Bonfire and St. Louis, \$1.00 per 100, \$8.00 per 1000. We prepay express.

C. HUMFELD,

The Rooted Cutting Specialist, Clay Center, Kan.

Carnation Rooted Cuttings.

Now Ready

Enchantress, Rose Pink Enchantress, May Day, Mrs. C. W. Ward, Western White Enchantress, White Enchantress, White Wonder, Lady Bountiful, Queen Louise, White Perfection, O. P. Bassett, Beacon.

Prices \$3.00 per 100; \$5 per 1000

Place your order for

OWN-ROOT and GRAFTED ROSES, NOW.

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Use our COLOR CHART in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St.,

CHICAGO

Primula Obconica, strong plants, in bud and bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengerii, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Verbenas

OUR SELECTION.

Cuttings, 75c per 100; \$6.25 per 1000. Plants, 2¼-in., \$2.75 per 100; \$22.00 per 1000.

PURCHASER'S SELECTION.

Cuttings, 90c per 100; \$8.25 per 1000. Plants, 2¼-in., \$3.25 per 100; \$28.00 per 1000.

Enchantress Supreme

THE Best Sport from Enchantress up-to-date, possessing all the vigor and freedom that distinguishes its parent.

Color a light salmon pink—a color that is not only very attractive, but also one that endures full exposure to the sun without bleaching.

A good all around Carnation that retains its color at all seasons.

Calyx is longer and narrower than that of the parent variety, and distinct from the latter. Has shown no inclination to be a burster.

The weak points of Enchantress seem to have been lost in this Sport, and a trial of four years duration convinces us of its great value.

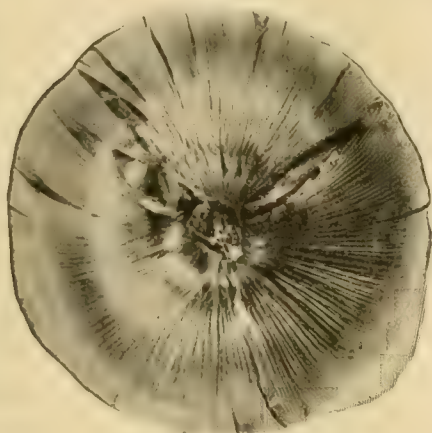
PRICES: Twelve Rooted Cuttings.... \$3.00 One Hundred rooted cuttings.... \$ 12.00
Twenty-five rooted cuttings, 5.00 One Thousand rooted cuttings... 100.00
Fifty rooted cuttings..... 7.00 Order quick for February deliveries.

DAILLEDOUZE BROS.,

Lenox Road and Troy Ave.,
BROOKLYN, N. Y.

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MRS. FRANCIS KING.

Besides the following standard kinds, most of which we can offer in two sizes (both flowering), we carry nearly all standard kinds and many fancy imported novelties secured by our Mr. Carl Cropp in Europe:

Mrs. Francis King, First Size.....	Per 1000 \$20.00
“ “ “ Medium Size	15.00
Augusta, First Size	16.00
“ Medium Size	13.00
America, First Size.....	25.00
“ Medium Size	22.00
Kunderdi Glory, First Size	48.00
Chicago White, the one best early.....	70.00

Florists, Seedsmen and amateurs who are interested in **Gladiolus**, either for counter trade, for outdoor planting, or for the home garden, should correspond with us and secure our lists and prices **before placing orders** for this stock.

Of several leading kinds we can supply planting stock, white bulbs under one inch and small black bulblets by the bushel.

1913 Prices on All Leading Kinds Are Ready.

Special Lists of Novelties can be made up on request.

VAUGHAN'S SEED STORE

NEW YORK
CHICAGO

CARNATIONS

Rooted Cuttings, Season 1913.

January delivery.

	Per 100	Per 1000
Rosette.....	\$6 00	\$50 00
St. Nicholas	6 00	50 00
Benora.....	6 00	50 00
Gloriosa	4 00	30 00
White Wonder.....	3 00	25 00
White Perfection.....	3 00	25 00
White Enchantress.....	3 00	25 00
Enchantress	3 00	25 00
Rose Pink Enchantress	3 00	25 00
Scarlet Glow	3 00	25 00
Mrs. C. W. Ward	3 00	25 00
Bonfire.....	3 00	25 00

Rooted Cuttings Our Specialty. Fine stock; even size; well rooted cuttings.

F. DORNER & SONS CO.
LA FAYETTE, IND.

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N Y

SEASONABLE STOCK

Pandanus Utilus, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.

Cibotium Schiedel 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.

Fern Dish Ferns, all the best sorts including *Cyrtomium Falcatum*, and *Aspidium Tsussimense*, \$3.00 per 100; \$25.00 per 1000.

Bargain! Kentia Forsteriana, a special bargain in single specimen plants, perfect condition, 66 in. high, 6 to 7 leaves, in 10 in. green tubs, \$7.50.

Made up Kentia Forsteriana, 8 in. tubs, 4 plants in a tub, 48 to 52 in. high, \$6.50 each.

Calla Ethiopica, 3-in. strong, need shift, \$7.00 per 100.

New Baby Rambler Rose, Erna Teschendorf, strong 2-yr. field grown plants,

\$4.00 per dozen, \$30.00 per 100. This is the best Red Baby Rambler of all.

English Ivy, strong 4-in., two or more shoots, \$12.00 per 100.

Dracaena Indivisa, strong 6-in. pot plants, \$35.00 per 100, 5-in. \$20.00 per 100 (Pot grown stock).

THE STORRS & HARRISON CO. - Painesville, Ohio.

Mention the American Florist when writing

SMITH'S CHRYSANTHEMUM MANUAL

[THIRD EDITION]

By Elmer D. Smith, Who has made a Specialty of Chrysanthemum Culture for the past Twenty five years.

Both amateur and florist have been provided with articles for their special needs.
One Hundred and Six Pages. Only 50 Cents, Postpaid.

ASK FOR OUR 1913 CATALOGUE

New Geranium---"Scarlet Bedder"

The best Double Red, not excepting S. A. Nutt. Place your orders now for this Novelty. Ready for immediate delivery. Price, \$1.50 per 10; \$12.50 per 100; \$100.00 per 1000

ELMER D. SMITH & CO., Adrian, Mich.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

CANON CITY, COLO.—Damages to the amount of several hundred dollars resulted from a fire in the greenhouses of Calvert Bros., vegetable growers, January 25.

Prices of Indoor Fruits and Vegetables.

Chicago, February 3.—Mushrooms, 25 cents to 50 cents per pound; lettuce, 20 cents to 22½ cents, small cases; radishes, 15 cents to 40 cents per dozen bunches; pieplant, 20 cents to 40 cents per bunch; tomatoes, 18 cents to 20 cents per pound.

New York, February 1.—Cucumbers, \$1 to \$2.25 per doz., and \$3 to \$6 per box; mushrooms, 75 cents to \$1.80 per 4-pound basket; tomatoes, 10 cents to 35 cents per pound; radishes, \$2 to \$3 per 100 bunches; mint, 75 cents to \$1 per dozen bunches; rhubarb, 40 cents to 65 cents per dozen bunches; lettuce, 20 cents to 35 cents per dozen.

Seakale.

ED. AMERICAN FLORIST:

When is the best time to start a bed of seakale and what is the best method?

Iowa.

J. J.

This plant is not a "kale" in the general acceptance of the word, that is, not one of the cabbage family. It is *Crambe maritima*, and as the specific name intimates, is a native of the coast regions where the soil is sandy and more or less impregnated with salt. The culture from root-cuttings is exactly the same as for horseradish, planting two or more pieces of root together, giving as much room as for cabbage, in rich soil, growing on for a year at least, then lift the roots, trimming off all the smaller ones for cuttings. Those as thick as the finger are the best. Place the main stems with the crown buds in a warm, dark place to force, just like rhubarb. The growth should be about 10 inches high when ready to cut and perfectly white. Seakale is boiled and served with a white sauce.

In the absence of root-cuttings, seed may be grown in the open, but these will take two years to become large enough for forcing with success. The application of salt is not an essential in its cultivation. We are told that salt has no manurial value even for asparagus. However, it does help to keep down weeds, and has a valuable mechanical action in that it attracts moisture from the atmosphere to the soil.

E. O. ORPET.

HENDERSON, KY.—Officers were elected as follows at the annual meeting of the Kentucky State Horticultural Society: R. M. Cunningham, Louisville, president; C. W. Matthews, Louisville, secretary-treasurer; Fred Mutchler, Bowling Green, L. E. Hillemeyer, Lexington, M. F. Johnson, Louisville, T. L. Butler, Trimble county, Fred R. Blackburn, Powell county, C. E. Suggs, Henderson, and Mrs. J. M. Garrett, Woodford county, vice-presidents. Compulsory spraying was advocated in a unanimous resolution.

PALMS.

Each.
Kentia Forsteriana, 4-in. pots, 12 to 15 in. 18c
Kentia Belmoreana, 4-in. pots, 12 to 15 in. 18c
Areca Lutescens, 3-in. pots, 8 to 12-in. 10c
Latania Borbonica, 4-in. pots, 12 to 15 in. 15c

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Write for 1913 Catalogue.

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WEST GROVE, PA.



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Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

Rooted Carnation Cuttings.

	Per 100	Per 1000
C. W. Ward	\$2 25	\$20 00
White Enchantress	2 25	20 00
Enchantress	2 25	20 00
Beacon	2 25	20 00

Cash with Order or References.

F. F. SCHEEL, Shermerville, Ill.

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET, ILL

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

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New York

Mushroom Spawn



New Crop ENGLISH

Just Arrived
per Steamer
Ionian, from
London.

Live Spawn.
Well "Run."

25 lbs. \$2.00
100 lbs. 6.50

Lower prices on
1000 pound lots.

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31 and 33 W. Randolph St., CHICAGO

Boston Ferns...

\$3.00 per 100 \$30.00 per 1000
Whitman's Compacta (new), to take the place of
Whitman. A better commercial fern; 2½-in..
\$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON. Whitman, Mass.

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Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

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We have

1,000,000 Grand Rapids and Tennis Ball Lettuce

COLD FRAME PLANTS

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10,000 lots for 80 cts.

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FRANK BRUNTON, Gen'l Manager.

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Araucaria Excelsa, Our Specialty, in fine condition, 5, 5½, 6-inch pots, 14 to 30 inches high, 40c, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50. *Azaleas*, in bloom now, *Vervaneana* and other colors, 75c, \$1.00, \$1.25 to \$1.50. For Easter blooming, assorted colors, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. *Kentia Forsteriana*, single, 25 to 50 inches high, 75c, \$1.00, \$1.50, \$2.00, \$2.50; made-up of 4, center plant 50 inches, 3 smaller around, \$2.50, \$3.00 and \$4.00. *Belmoreana*, 6-inch, 50c to 75c; 4-inch, 25c. *Dracaena Terminalis*, 4 and 5½-inch, 25c, 35c, 40c. *Ficus Elastic*, 5½ and 6-inch, 30c, 40c and 50c. *Ferns*, Scotti, Whitman, Scholzei, Boston, *Giatras*, 5½, 6 and 7-inch, 30c, 40c, 50c, 60c, 75c to \$1.00. *Begonias*, *Gloire de Lorraine* and *Cincinnati*, in bloom, 5½ and 6-inch, 40c, 50c, 60c, 75c to \$1.00. *Cyclamen*, 4 and 5½-inch, 25c, 30c, 40c and 50c. *Primulas*, *Obconica grandiflora* and *Chinese* in bloom, 5½-inch \$2.00 to \$2.50 per doz.; 4-inch *Obconica*, 10c and 15c. *Jerusalem Cherries*, 6-inch, 25c to 35c. *Cocos Weddelliana*, 3-in., 15c, 18c, 20c. *Cyr. Falcatus* or *Holly fern*, 4-inch, 20c and 25c; assorted, 2½-inch Dish Ferns, \$4.00 per 100. *Asparagus Sprengeri* and *Plumosus*, 4-inch, 10c; 2½-inch, 4c; 3-inch, 6c. *Aspidistras*, green and variegated, 6-inch, 75c, \$1.00 and \$1.25. *Hydrangea Otaksa*, for Easter forcing, 6-inch, 25c, 35c, 50c. The genuine *Lilium Multiflorum*, raised from selected bulbs, 4-inch ready to shift, 20c and 25c. Cash with order please.

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HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$8.00 per oz., or \$1.75 per ¼ oz., \$1 per ¼ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Quality in Young Stock

NEW ROSES.

MILADY and MRS. GEO. SHAWYER

Grafted per 100, \$30.00 Per 1000, \$250.00
Own Root " " 30.00 " " 250.00

KILLARNEY QUEEN and DOUBLE WHITE KILLARNEY

Two new Roses of last season.

Grafted per 100, \$20.00 Per 1000, \$150.00
Own Root " " 12.00 " " 100.00

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Rooted Cuttings per 100, \$6.00 Per 1000, \$50.00

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Rooted Cuttings per 100, \$3.50 Per 1000, \$30.00

MRS. CHAS. RUSSELL

Grafted per 100, \$35.00 Per 1000, \$300.00

KILLARNEY, WHITE KILLARNEY, MY MARYLAND,
DOUBLE PINK KILLARNEY, MRS. TAFT (Rivoli)
RADIANCE, MRS. AARON WARD, LADY
HILLINGDON, RICHMOND

Grafted per 100, \$15.00 Per 1000, \$120.00
Own Root " " 7.50 " " 60.00

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The Best Commercial Varieties in Existence.

CHRYSOLORA, UNAKA, CHADWICK SUPREME, DECEMBER GEM, CHAS. RAZER, W. R. BROCK

Rooted Cuttings, \$4.00 per 100, \$30.00 per 1000. 250 of a variety at the 1000 rate.

New varieties and a list of the best commercials given in full in our catalogue.

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FAIRY QUEEN, the best pink; HELEN NEWBERRY, the best late white, from 2¼-inch pots, \$6.00 per 100, \$50.00 per 1000

TO COVER THE SEASON CONSIDER THE LIST BELOW AND SEND IN YOUR ORDER.

WHITE—Nio, Baby Margaret, Diana. YELLOW—Overbrook, Mertsam Tints, Baby, Quinola, Souvenir d'Or (Mrs. Frank Beu). PINK—Eleganta, Alena, Minia, Alma. BRONZE YELLOW—Miss Julia, Allentown. RED—Rufus, Lyndhurst, Julia Lagravere. From 2-in. pots, \$3 per 100, \$25 per 1000. 5 varieties at the 100 rate; 250 at the 1000 rate

SINGLES. A collection of the twelve best varieties for cut sprays.

BEDDING STOCK—COLEUS in quantity, SALVIA, ALTERNANTHERA, HELIOTROPE, AGERATUM, ACHYRANTHES.

No order too large for our wholesale department. Use printed stationery or enclose your card. Wholesale prices to the trade only.

A. N. PIERSON, Inc., Cromwell, Conn.

"Mrs. George Shawyer"

We can still quote March delivery on this sterling Rose but would ask that you do not delay too long before investigating its merits.

SHAWYER and MILADY, \$30.00 per 100; \$250.00 per 1000. Grafted or Own Root.

CARNATIONS.

Northport: The leader in the dark pink section. Commodore: The freest blooming scarlet we have.

Enchantress Supreme and Salmon Beauty: Two fine sports from Enchantress.

\$12.00 per hundred; \$100.00 per thousand.

CHAS. H. TOTTY, MADISON, N. J.

Miscellaneous Plants

Smilax, 2-in., per 100, \$1.00. Dracaena Indivisa 2-in., per 100, \$2.00. New Double Daisy, Mrs. F. Sander, 2-in., per 100, \$2.00. Cryptomeria Japonica, 2-in., per 100, \$5.00. Asparagus Plumosus, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

EASTER STOCK!

Such as Lilies, Azaleas, Spirea, Hydrangeas, Roses, Baby Rambler, Hermosea, Souper, Hyacinths, Tulips, Narcissus, Jonquils, and etc. Can ship now at any time and guarantee bloom for Easter.

GEO. A. KUHL, Pekin, Ill.

Mention the American Florist when writing

T^BR^hO^sE^sS^t

THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO

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SHAMROCK, TRUE IRISH.

Strong plants from 1¼-in. pots...100, \$3; 1000, \$25.
Strong plants in 1-in. pots with saucers, \$4 per 100; 35 per 1000.

FERNS FOR DISHES.

Best assorted varieties from 2¼-in. pots...100, \$3.50; 1000, \$30.. 500 at 1000 rate. Cash with order.

FRANK OECHELIN,
4911 West Quincy St. CHICAGO.

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A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100, Boston and Whitman Ferns, 3-in., 10c; 4-in., 15c; 5 in., 25c.
Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

The Early Advertisement Gets There.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

YANKTON, S. DAK.—The Gurney Seed & Nursery Co., has acquired the collections of the late H. C. Warner, of Mitchell, including some 352 named varieties of gladioli, 347 named varieties of peonies and 136 named varieties of iris, which will be moved to the firm's establishment here in the spring.

Ohio Nurserymen's Association.

The sixth annual convention of the Ohio Nurserymen's Association was held Wednesday, January 22 at Zanesville. The attendance was good and the reports very encouraging. President W. N. Scarff made the opening address. Others on the programme were: W. F. Bohlender, "Nature of the Nursery Business;" A. R. Pickett, "Cherry Growing and Orchard Heating;" T. B. West, "Parcel Post Rates Applied to Nursery Stock." There were general discussions on hail, cyclone and fire insurance, etc. The old officers were re-elected as follows: W. N. Scarff, New Carlisle, president; W. B. Cole, Painesville, secretary; A. R. Pickett, Clyde, treasurer. The executive committee is again composed of Robert George Painesville; A. R. Dinsmore, Troy; T. B. West, Perry; W. F. Bohlender, Tippecanoe City; J. W. Gaines, Xenia.

Checking Tree-Beetle Ravages.

Investigations conducted by the government in 1907 and 1910 to determine the conditions on an area of more than 1,000,000 acres in northeastern Oregon showed that the killing of a large number of trees by the mountain pine beetle had been going on in this area since 1905. In order to demonstrate the practicability of the control measures recommended by the expert on forest insects of the bureau of entomology, an area of about 90,000 acres, principally in the yellow pine, was selected in which to conduct a beetle control project. This area was located south and southeast of the advance movement of the swarms of depredating beetles in order to check it. In the spring and summer of 1912 a thorough inspection was made of the treated area. A similar untreated or check area in another forest was also examined. It was found that on the 87,950 acres of the treated area the number of trees killed by the insects had decreased from 37,178 trees to 4,698—a reduction of 32,480 trees—or more than 80 per cent, while on the untreated check area in the other forest there was no decrease and in one small isolated area the increase in the number of trees killed was 240 per cent, demonstrating the practicability of the control project.

Catalpa Bungei

Specimen trees with wide spreading tops
2 to 4 years and straight 7 ft. stems, 2 to 3-inch caliper.

Get our prices on all kinds of shade trees.

W. B. COLE, Avenue Nurseries,
Painesville, - - - Ohio

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad. :: ::

BOBBINK & ATKINS
Nurserymen and Florists. RUTHERFORD, N. J.

Comfort Carnation Cuttings

A Scarlet second to none. A Carnation that came to stay. Be wise, have comfort. Orders filled in rotation. Cuttings guaranteed, \$4.00 per 100. \$30.00 per 1,000.

S. M. MERWARTH & BROS.
Carnation Specialists EASTON, PA.

MANETTI STOCKS.

Well rooted. English-Crown Manetti Rose stocks, especially selected for Florist's grafting.

5 to 8 m-m.....\$12.00 per 1,000 3 to 5 m-m.....\$10.00 per 1,000

Duty paid. We are filling orders NOW; can take care of a few more late buyers. Are YOU supplied? Send us your order. Shall we ship by freight or express?

JACKSON & PERKINS CO., Newark, New York

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,
P. O. Berlin N. J. Williamstown Junc., N. J.

Robert Craig Co...

High
Class

PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES.

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from new marsh,
full sized bales.

Vaughan's Seed Store,
Chicago. New York.

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(Osmunda Fibre or Orchid Peat.)

BROWNELL'S SUPERIOR QUALITY.

Used the World Over

Price List and Samples on Request

The C. W. Brownell Company
Walden, N. Y.

ROOTED CARNATION CUTTINGS

Ready for Immediate Delivery.

Renew your stock with strong, healthy cuttings; propagated from the best clean plants. **All Stem Cuttings.**

	100	1000		100	1000
25,000 Enchantress	\$3.00	\$25.00	10,000 Scarlet Glow.....	\$3.00	\$25.00
25,000 White Enchantress	3.00	25.00	10,000 Washington.....	3.00	25.00
20,000 Victory	3.00	25.00	5,000 Rose Pink Enchantress.....	3.00	25.00
15,000 Beacon	3.00	25.00	5,000 May Day, deep flesh	3.00	25.00

Very low price on large lots. Send us your list for quotations.

Ready March 1st.

	100	1000		100	1000
The Herald, new scarlet.....	\$12.00	\$100.00	Benora, Variegated.....	\$6.00	\$50.00
Gloriosa, Medium pink	4.00	35.00	White Wonder	3.00	25.00

All conservative carnation growers are placing their orders now for future delivery. **Do Not Wait.**

CHICAGO CARNATION COMPANY.

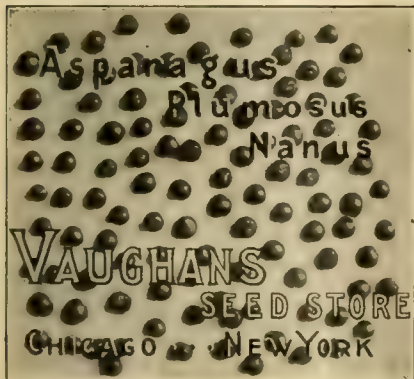
A. T. PYFER, Mgr.

30 E. Randolph Street,

CHICAGO, ILL.



**New Crop
Northern
Greenhouse Grown (ready)**
It has Vitality. Not Frost-bitten.



For Valentine Day

Blooming Stock Full of Flowers

2 1/2 inch 3 inch 4 inch 5 inch

Chinese Primroses..		\$10.00	\$20.00
Obconica.....	\$5.00	10.00	
Cyclamen.....	8.00	15.00	
Luminosa Begonias..	\$3.50	8.00	12.50 20.00
Cinrerarias.....	3.50 7.50	10.00	20.00

4 and 5 inch will be in bloom.

Azaleas at \$1.00, \$1.25, \$1.50 each.

GEO. A. KUHL

Wholesale Grower

PERIN, - - - ILL.

ROOTED CUTTINGS.

	Per 100.	Per 1000
Verbenas.....	\$0.70	\$ 6.00
Ageratums.....	.60	5.00
Heliotrope, Daisies, Salvias..	1.00	8.00
Feverfew, Petunias.....	1.25	10.00
Coleus.....	.70	6.00
Alyssum, Double.....	1.00	8.00

Cash with orders. Express Paid. Write

S. D. Brant, Clay Center, Kans.

Fine Decorative Plants

Make up your order now from this list and let us have it as early as possible.

PRICE LIST.

Kentia Belmoreana. Per doz.	
4-in. pot, 12 to 15 in. high, 6 leaves.....	\$4.50
Each.....	1.25
6-in. pot, 24 in. high, 6 to 7 leaves.....	1.50
7-in. pot, 36 in. high, 6 to 7 leaves.....	2.50
8-in. pot, 36 to 38 in. high, 6 to 7 leaves.....	3.00
9 in. tub, 46 to 50 in. high, 6 to 7 leaves.....	\$5 to \$6
Specimens, 9 to 10 in. tubs, \$6.00 to \$15.00 each	

Kentia Forsteriana.	
4-in. pot, 15 to 18 in. high.. Ea. 75c; doz.,	\$4.50
5 in. pot, 20 to 24 in. high.....	9.00
6-in. pot, 28 to 30 in. high, 6 leaves..... Ea.	1.25
7-in. pot, 34 to 36 in. high, 6 leaves.....	1.50
8-in. pot, 38 to 40 in. high, 6 to 7 leaves.....	2.50
9 in. pot, 40 to 45 in. high, 6 to 7 leaves.....	3.00
8-in. pot, 48 to 50 in. high, 6 to 7 leaves.....	5.00

Specimens in from 8 to 12 in. tubs, from \$6.00 to \$15.00 each.

Made-up Kentia in Tubs.

6-in. tubs, 28 to 30 in. high, 3 plants.....	\$2.00
6-in. tubs, 32 to 34 in. high, 4 plants.....	3.00
8-in. tubs, 44 to 48 in. high, 4 to 5 plants.....	5.00
8 in. tubs, 48 to 52 in. high, 5 plants.....	6.00
10-in. tubs, 4 1/2 feet high, 5 plants.....	8.00
10-in. tubs, 4 1/2 to 5 feet high, 5 plants.....	10.00
10-in. tubs, 6 feet high, 5 plants.....	12.00

For larger specimens in tubs prices on application.

Areca Lutescens, 7 inches strong. \$2.00 each

Plants Ready For Immediate Sale.

Bostons, 6-in.....	\$0.50 each, \$ 6.00 per doz.
" 7-in.....	0.75 " 7.50 " "
" 8-in.....	1.00 " 10.00 " "
" 10-in.....	2.50 " "
" 12 in ..	3.50 " "

Bostons, strong 2 1/4 in..... \$3.50 per 100
 Dracaena Massangeana..... \$1.25 to \$1.50 each
 Dracaena Godseffiana, 3-in., 20c each, \$2.00 per dozen.

Phoenix Roebeleni, 3 in..... \$2.50 per doz.
 " 4-in..... 5.00

Pandanus Veitchii, highly colored:
 " 5 in..... each, \$1.00
 " 6-in..... 1.50
 " 7-in..... 2.50

Rubber Plants, strong 6-in., 75c to \$1.00 each
 Ficus Pandurata, 6-in., 2 1/2 to 3 feet high, extra strong plants, \$3.50 each; 7-in., 5 to 6 feet tall, \$4.50 to \$5.00 each.

Table Ferns, 10 varieties:
 " 2 1/4 in., \$3.00 per 100; \$25.00 per 1000
 " 3 in., strong, \$6.00 per 100; \$55.00 per 1000.

Azalea Indica, in bud and bloom: pink, red and white; fine plants at 75c to \$1.50 each.
 Cyclamen in bloom, 5-in., 40c each; 6-in., 60c each.

Primroses in full bloom, 4-in.: \$2.00 per doz.; 5-in. \$3.00 per doz.

True Irish Shamrocks

Special for St. Patrick's Day, strong, 2-inch, \$3.00 per 100; \$25.00 per 1000.

Poehlmann Bros. Co.

Plant Department,

Morton Grove, Illinois

The Early Advertisement Gets There

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Carnations, Beacon, White Enchantress, Enchantress, Rose Pink Enchantress, White Perfection, \$2 per 100; \$17.50 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

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Carnations, Enchantress, Rose Pink Enchantress, May Day, Mrs. C. W. Ward, Western White Enchantress, White Enchantress, Wonder, Lady Mountful, Queen Louise, White Perfection, O. P. Bassett, \$3 per 100; \$25 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, Rosette, St. Nicholas, Benora, \$6 per 100; \$50 per 1,000. Beacon, \$3.50 per 100; \$30 per 1,000. White Enchantress, White Perfection, Mrs. C. W. Ward, May Day, \$3 per 100; \$25 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

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Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Bailelonze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

Carnations, C. W. Ward, White Enchantress, Beacon, \$2.25 per 100; \$20 per 1,000. F. F. Scheel, Shermerville, Ill.

Carnations, chrysanthemums, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

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Chrysanthemums, rooted cuttings, Golden Glow, Oct. Frost, Pacific Supreme, Major Bonaffon, \$1 per 100; Chms. Razer, best white, \$1.50 per 100. Edward Wallis, Berlin, N. J.

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WEST GROVE.

PENNSYLVANIA.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Geranium Scarlet Bedder, \$1.50 per ten; \$12.50 per 100; \$100 per 1,000. Elmer D. Smith & Co., Adrian, Mich.

DWARF FERNS FOR FERN DISHES.

These dwarf ferns are used by the hundreds of thousands to fill dishes for table decorations. Our sales each year exceed fifty thousand plants. Our stock is in prime condition, ready to use at once. We offer 9 choice varieties, 50c per doz.; \$3.50 per 100; \$30 per 1,000.

Pteris cretica, Wimsettii.
Pteris alba-lineata, Mayi
Wilsoni, Victoria.
Pteris multiceps, Sieboldii.

Aspidium tsussimense,

Cyrtomium falcatum or holly fern.

Our catalogue of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

Largest rose growers in the world.
Box 18, SPRINGFIELD, O.

Strong, pot-grown ferns: Boston, Whitman, Amerpohli 2½-in., \$4 per 100; 3-in., \$7.50 per 100; 4-in., \$12.50 per 100; 5-in., \$25 per 100. Our ferns are strong, healthy stock ready for a shift. Schaff Bros., Van Wert, O.

Ferns, Scottii, Whitman, Schozeli, Boston, Giatrasi, 5½ to 7-in., 30c to \$1 each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Ferns for dishes, assorted, 2½-in., \$3.50 per 100; \$30 per 1,000; 50c at 1,000 rates. Frank Oechslin, 4911 W. Quincy St., Chicago.

Small ferns, 2½-in., \$3.50 per 100; \$30 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston. For sizes and prices see advertisement on front cover page. Vaughan's Seed Store, Chicago and New York.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmons, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Robbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica, 4-in., 35c each; 6-in., 50c. Pandurata, 6, 7 and 8-in., \$1.50 to \$3.50 each. Repens, 2½-in., 50c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus elastica, 5½ and 6-in., 30c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

Geraniums—Good, healthy, fall rooted plants from 2½-in. pots at \$3 per 100; \$27.50 per 1,000 except where noted: Beante Poitevine, Marg. de Castellane, S. A. Nutt, Jean Viaud, La Favorite, A. Ricard, Mme. Landry, Mrs. E. G. Hill, Albion (single white), Mme. Barney, Heteranthe, E. H. Trego, M. Jaulin, Red Wing, 6c each. Our new catalogue will be ready January 1st. Send for a copy of same. THE GOOD & REESE CO., Box 18, Springfield, O.

NEW AMERICAN BEAUTY.

For the first time we are offering this wonderful new geranium to our many customers. Write for colored cut and prices on large lots, 2½-in. pots, 50c; \$5 per doz.

JOHN BAUSCHER, JR.

Arcade Addition, Freeport, Ill.

Geraniums, S. A. Nutt and La Favorite, short stock plants 2½-in., \$2.50 per 100; \$22.50 per 1,000. Strong heavy S. A. Nutt, 2½-in., \$3 per 100, \$25 per 1,000. Rose geranium, 2½-in., 3 cents. Mme. Sallerol, extra strong plants, 2-in., \$2 per 100; \$18 per 1,000. ROBER & RADKE, Maywood, Ill.

ROOTED GERANIUM CUTTINGS.

The "BIG FOUR" bedders, S. A. Nutt, (dark red), Gen. Grant, (best bright red), Mme. Buchner, (only dbl. white), \$1.50 per 100; \$14 per 1,000. Beante Poitevine, (salmon), \$1.75 per 100; \$16 per 1,000. Cash. THE W. T. BUCKLEY CO., Springfield, Ill.

GERANIUMS.

Mme. Sallerol, 2-inch, \$2 per 100; \$18 per 1,000.

EDW. DOEGE CO.,

4344 N. Springfield Ave., Chicago, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Geraniums, Ricard and Poltevine, \$45 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, S. A. Nutt and four others, \$25 per 1,000; \$3 per 100. Mme. Buchner, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, rooted cuttings, S. A. Nutt, double, Clifton, single, same color as Nutt, \$15 per 1,000. H. P. Gerhardt, Wilmette, Ill.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Greens, bronze galax, \$3.50 per case of 10,000. Dagger ferns, \$3 per case of 5,000, cases of 10,000, \$5.50. Long moss, \$1 per 2 bu. bag. Aaron Buchanan, Hawk, N. C.

Greens, palm and magnolia leaves, Florida moss, etc. Reduced prices to dealers. Est. 25 years. Victor Schmeltz & Son, R. 2, Sanford, Fla.

Greens, ferns, \$1.35 per 1,000; 2,000, \$2.00; 5,000 or more, \$1.20 per 1,000. Robert Groves, 127 Commercial St., Adams, Mass.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens. For prices, see advertisement elsewhere in this issue. Elk Galax and Fern Co., Ramers Elk, N. C.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Palm leaves, ferns and mosses. Friedrich Kollschreiber, Hamburg 24.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

HYDRANGEAS.

New forcing HYDRANGEA ARBORESCENS GRANDIFLORA ALBA or Hills of Snow. For forcing or immediate sales: 1-yr., field-grown, 12 to 18 inches, 2 canes, \$1.25 per doz.; \$8 per 100; \$75 per 1,000. Select, 2 to 3 canes, \$1.50 per doz.; \$10 per 100; \$90 per 1,000. 2-yr., field-grown, 18 to 24 inches, 2 to 3 canes, \$2 per doz.; \$14 per 100; \$120 per 1,000. Our catalogue of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.
Largest rose growers in the world.
Box 18. SPRINGFIELD, O.

Hydrangeas, pot-grown for forcing, in 6-in. pots. Otaksa, 5 and 6 branches, \$2 per 100; 4 branches, \$15; 3 branches, \$12; 2 branches, \$10. Thus, Hogg, 5 and 6 branches, \$20; Sour, de Chaire, 7 and 10 branches, \$25. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

IVIES

ENGLISH IVY.
2½-in. pots, \$5.00 per 100.
CONARD & JONES CO.
WEST GROVE, PENNSYLVANIA.

English ivy, strong, 3-in. stock. Write for prices. C. L. Reese, Springfield, O.

JERUSALEM CHERRIES.

Jerusalem cherries, 6-in., 25c and 35c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandersbeck, near Hamburg, Germany.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$3; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the valley. Grow Bruns' celebrated Chicago Market, the finest forcing valley in America, \$18 per 1,000; \$9.50 per 500; \$5 per 250; Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3032 3042 W. Madison St., Chicago.

MANETTI.

Manetti stocks, English-grown, 5-8 m-m, \$12 per 1,000; 3-5 m-m, \$10 per 1,000. Jackson & Perkins Co., Newark, New York.

MOSS

Just received a carload of MOSS, which will be sold at the right price. Call Lawndale 1834.

Live Sphagnum moss, only* in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

Sphagnum moss. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

SHRUBBERY.

There are bargains to be had here in such varieties as spiraeas, altheas, weigelas and philadelphus, and this names only a few. We have acres of shrubs, well grown and ready for you. Write for price list.
The Conard & Jones Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

ONION SETS.

Choice re-cleaned ONION SETS, red, \$1.50; white, \$2; yellow, \$1.40 per bushel of 32 lbs. J. C. Zapiewski & Co., Growers, Norwood Park, Ill.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Osmundine (Osmunda fibre or orchid peat.) The C. W. Brownell Co., Walden, N. Y.

PALMS.

Palms, Kentia Fors., single, 25 to 50 ins. high, 75c to \$2.50. Made-up, \$2.50 to \$4. Belmoreana, 6-in., 50c to 75c; 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hencock, Wyncote, Pa.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms, McHutchison & Co., 17 Murray St., New York.

Palms, Storrs & Harrison Co., Painesville, O.

PANSIES

Pansy plants, giant flowering, small plants, \$2.50 per 1,000; 50c per 100. Jos. H. Cunningham, Olean, N. Y.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

POINSETTIAS.

POINSETTIAS, stock plants, 2 and 3-year-old, \$5 per 100. Cash with order. Rose Hill Nurseries, New Rochelle, N. Y.

PRIMULAS.

Primula Obconica grandiflora and Chinese, 5¼-in., \$2 and \$2.50 per doz.; 4-in. Obconica, 10c and 15c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Primula Obconica, 3-in., \$4 per 100 cash. John Bauscher, Jr., Freeport, Ill.

ROSES.

ROSES—Fine, healthy stock on own roots: Mrs. De Graw, Mrs. David McKee, Burbank, Franz Dugan, Duchess de Brabant, Apricot, Marie Lambert, Coquette des Blanches, Hermosa, White Cochet, Anna Muller, Pink Cochet, White La France, Clothilde Souper, Mme. Abel Chateau, climbing Meteor, Safrano, Souv. de Pierre Nolting, Golden Gate, Champion of the World, 2-in., \$3 per 100. Ben R. Cant, Chaire de L'Exposition Bruxelles, La Roche, Kaskerin, Pink La France, Gruss an Teplitz, Wellesley, Helen Gould, 2-in., \$3.50 per 100. Mrs. Cutbush, Pres. Taft, 2-in., \$5 per 100. Order now; will ship when wanted. WAGNER PARK CONSERVATORIES, Sidney, O.

ROOTED ROSE CUTTINGS.

	Per 100	Per 1,000
American Beauties.....	\$3.00	\$25.00
Pink Killarney.....	2.50	20.00
White Killarney.....	2.50	20.00
Richmond.....	2.00	18.00
My Maryland.....	3.00	25.00

Ready now. Satisfaction guaranteed.

GEORGE REINBERG.

162 N. Wabash Ave. Chicago, Ill.

Rose, Irish Fire Flame, grafted stock, \$35 per 100; \$300 per 1,000. Own roots, \$30 per 100; \$250 per 1,000. Badlong's Double White Killarney and Sunburst, \$20 per 100; \$150 per 1,000. Killarney, Waban White Killarney, My Maryland, Mrs. Aaron Ward, Lady Hillingdon, \$15 per 100; \$120 per 1,000. Robt. Scott & Son, Sharon Hill, Del. Co., Pa.

Rose, Mrs. Chas. Russell, price on grafted stock, per 12, \$7.50; per 100, \$35; per 250, \$82.50; per 500, \$150; per 1,000, \$300; per 2,500 \$087.50; per 5,000, \$1,250. Waban Rose Conservatories, Natick, Mass.

Roses, rooted cuttings, White and Pink Killarney, \$3 per 100; \$27.50 per 1,000. Richmond, \$1.75 per 100; \$15 per 1,000. Mrs. Aaron Ward, \$4 per 100; \$35 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago, Ill.

Roses, grafted and own root. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Rose, Mrs. George Shawyer and Milady, \$30 per 100; \$250 per 1,000. Chas H. Totty, Madison, N. J.

Roses. For varieties and prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Roses. 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

ROOTED CUTTINGS.

Rooted Cuttings: Abutilon Savitzl, Acalypha Macafeana, Schryanthus Emersoni, ageratum, 6 vars.; alternantheras, 8 vars.; alyssum, dbl. giant and dwf.; Egonia Vernoni, Gratiola luminosa, Cuphea, Coleus, 10 vars.; Coleus Brilliant, Chrysanthemums, 75 pompon vars.; heliotrope, hardy English Ivy, lantana, 15 vars.; lemon verbenas, moonvines, petunias, Salvia Bonfire and Zurich; parlor Ivy, Swainsona alba and roses. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Rooted cuttings: Verbenas, 70c per 100; \$6 per 1,000. Ageratum, 60c per 100; \$5 per 1,000. Heliotrope, daisies, salvias, \$1 per 100; \$8 per 1,000. Feverfew, petunias, \$1.25 per 100; \$10 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Alyssum, double, \$1 per 100; \$8 per 1,000. S. D. Brant, Clay Center, Kans.

Rooted cuttings, Agrotatum, Stella Gurney, 60c per 100. Daisy, Mrs. F. Sander, \$1 per 100. Hydrangea Otaksa, \$1 per 100; Vinca Var., 75c per 100. Edward Wallis, Berlin, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

SEEDS.

Seeds—Agerantum, alyssum, antirrhinum, Asparagus plumosus and Sprengeri, asters, begonia, candytuft, celosia, centaurea, cineraria, cobra scandens, coleus, Dracena indivisa, Grevelia robusta, Ipomea, lobelia, mignonne, petunias, salvia, smilax, stocks, Thunbergia, Torenia, For., verbenas. For varieties and prices see advertisement elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Seeds, beans, beets, cabbage, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, 8¢ per oz.; 1/4 oz., \$1.75; 1/2 oz., \$1. Henry Mette, Quedlinburg, Germany.

THE SAWYER ASTERMUM—Eight years of strict selection places it on the mountain top of perfection, in color, size and profit. Price (cash with order) \$8. oz.; \$4.50, 1/2 oz.; trade pkg. (not mixed) \$1. Colors: White, pink and lavender. Send for cuts and description. ALBERT A. SAWYER, Forest Park, Ill.

Seeds, carrots, lettuce, onion, radish, beet, parsley, parsnip, salsify, sweet peas, mustard, celery, endive. California Seed Growers' Association, Inc., San Jose, Calif.

Flower seeds. For varieties and prices see advertisement elsewhere in this issue. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Seeds, cauliflower, white Tripoli onion, (crystal wax) and all other vegetable and flower seeds. Dammann & Co., San Giovanni a Teduccio near Naples, Italy.

Seeds, Asparagus plumosus nanus, new crop northern greenhouse grown, ready. Vaughan's Seed Store, Chicago and New York.

Seeds, beets, cabbage, carrot, celery, lettuce, onion, parsley, radish, rutabaga, turnip. DeMaiffe & Son, Carignan, France.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, specialties: Beets, mangoes, carrots, cabbages, celeries, parsleys, parsnips, turnips, R. & M. Godineau, Angers, France.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonne, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, lawn grass, J. Oliver Johnson, 1874-76 Milwaukee Ave., Chicago.

Seeds, Wm. Henry Maule, 1707-11 Filbert St., Philadelphia.

Seeds, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, garden and flower, S. D. Woodruff & Sons, 82-84 Dey St., New York.

Pedigree seeds, Watkins & Simpson, Ltd., 12 Tavistock St., Covent Garden, London, England.

Seed, watermelon, 1913 contracts for the trade. Hugh M. Taylor, Lloyd, Fla.

Seeds, W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Ratekin's Seed Corn. Ratekin's Seed House, Shenandoah, Iowa.

Peas and beans, Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, German flower seeds. Frederick Roemer, Quedlinburg, Germany.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, Japan clover, Bermuda onion seed, Chris. Reuter, New Orleans, La.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Braslan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, 3¢ per oz. Jos. H. Cunningham, Delaware, O.

Seeds, James Vick's Sons, Rochester, N. Y.

SHAMROCKS.

Shamrocks, true Irish, 1 1/4-in., pots, \$3 per 100; \$25 per 1,000. Strong plants in 1-in. pots with saucer, \$4 per 100; \$35 per 1,000. Frank Oechshlin, 4911 W. Quincy St., Chicago.

SMILAX.

Smilax, 3 times cut back, 2 1/2-in., \$2 per 100 cash. John Bauscher, Jr., Freeport, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, Wood Bros., Fishkill, N. Y.

VEGETABLE PLANTS.

We grow cauliflower, egg plant, peppers, lettuce, cabbage, tomatoes and parsley. See our other advt. FRANKLIN PLANT FARM, Inc., Frank Bruton, Pres. and Mgr., P. O. Box 964, Norfolk, Va.

Vegetable plants, Grand Rapids and Temis Ball lettuce, \$1 per 1,000; 5,000 lots, 90¢ per 1,000; 10,000 lots, 80¢ per 1,000. Franklin Plant Farm, Inc., R. F. D. 2, Norfolk, Va.

VERBENAS.

Verbenas, our selection, cuttings, 75¢ per 100; \$6.25 per 1,000; plants, 2 1/4-in., \$2.75 per 100; \$22 per 1,000. Purchasers' selection, cuttings, 90¢ per 100; \$8.25 per 1,000; plants, 2 1/4-in., \$3.25 per 100; \$28 per 1,000. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vincas, 2-in., \$3 per 100; 4-in., \$1.75 per doz.; \$15 per 100. The Geo. Witthold Co., 737 Buckingham Place, Chicago.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material of all kinds. Hotbed sash. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Building material. Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitehings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

SUPERIOR CARNATION STAPLES. Mend your split carnations. Finest article for carnation growers introduced so far, 50¢ for 1,000, postage paid.

MICHIGAN CUT FLOWER EXCHANGE. 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50¢ per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

MATS.

MATS—We make not only the most practical but the cheapest HOTBED and COLD FRAME MATS on the market. A large per cent of our orders come from gardeners and florists who have tried them and are pleased. Our mats are in use in Iowa, Ill., Ind., Ohio, Minn., Wis., Mich., New York, Maine, Mass., Conn., R. I., N. J., Va., W. Va., and Pa. Also in British Columbia and Ont., Canada. Send for circular. WATTS BROS., Kermsoor, Pa.

MISCELLANEOUS.

Siebert's glazing points, 40¢ per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5936 Penn. Ave., near Highland, East End, Pittsburgh, Pa.

Siebert's glazing points, 40¢ per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

Greenhouse glass, Baur Window Glass Co., Eaton, Ind.

Florists' Supplies of all kinds. T. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Gold, silver and purple letters. Gold and purple scripts. J. Lichtenberger, 1564 Ave. A, New York.

Green Silkaline. John C. Meyer & Co., Lowell, Mass.

Anti-Klog, the Sprayer of many uses. Illinois Metals Co., Chicago, Ill.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Glass, Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Peerless Refrigerators for florists. Jac. Lederer, 644-48 W. Madison St., Chicago.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

STAKES.

Cane Stakes, Standard grade, 6 to 8 feet, per 100, \$5; 5 to 6 feet, \$3; \$1.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60¢; per 1,000, \$5. Vaughan's Seed Store, Chicago.

WHOLESALE CUT FLOWERS.

Albany Cut Flower Exchange, Albany, N. Y.

Amling Co., E. C., Chicago.

Angermueller, Geo. H., St. Louis, Mo.

Bassett & Washburn, Chicago.

Batavia Greenhouse Co., Chicago.

Berger Bros., Philadelphia, Pa.

Berning, H. G., St. Louis, Mo.

Budlong, J. A., Chicago.

Chicago Carnation Co., Chicago.

Chicago Flower Growers' Ass'n., Chicago.

Critchell, C. E., Cincinnati, O.

Deamud Co., J. B., Chicago.

Domoto Bros., San Francisco, Calif.

Eldridge Floral Co., Minneapolis, Minn.

Freres, D. E., Chicago.

Froment, H. E., New York.

Guttman Flower Growers Co., New York.

Hoerber Bros., Chicago.

Hoffmeister Floral Co., Cincinnati, O.

Holton & Hunkel Co., Milwaukee, Wis.

Hunt, E. H., Chicago.

Kasting Co., Wm. F., Buffalo, N. Y.

Kennicott Bros. Co., Chicago.

Kessler, Wm. A., New York.

Kessler, Philip F., New York.

Kruchten, John, Chicago.

Kuehn, C. A., St. Louis, Mo.

Kyle & Foerster, Chicago.

Lecakes & Co., New York.

McCallum Co., Pittsburgh, Pa., and Cleveland, O.

McCullough's Sons Co., J. M., Cincinnati, O.

McKellar, Chas. W., Chicago.

Meconi, Paul, New York.

Montreal Floral Exchange, Ltd., Montreal, P. Q.

Moore, Hentz & Nash, New York.

Munk Floral Co., Columbus, O.

N. Y. Cut Flower Exchange, New York.

Niessen Co., The Leo, Philadelphia, Pa.

Randall Co., A. L., Chicago.

Reinberg, Geo., Chicago.

Reinberg, Peter, Chicago.

Rice Bros., Minneapolis, Minn.

Rusch & Co., Gust., Milwaukee, Wis.

Pennock-Meehan Co., S. S., Philadelphia.

Percy Jones, Chicago.

Pittsburg Cut Flower Co., Pittsburg, Pa.

Poehlmann Bros. Co., Chicago.

Pollworth Co., C. C., Milwaukee, Wis.

Reid, Edward, Philadelphia, Pa.

Sheridan, W. F., New York.

Siebrecht & Siebrecht, Inc., New York.

Smith, Wm. C., St. Louis, Mo.

Thompson Carnation Co., J. D., Joliet, Ill.

Tott, Chas. H., Madison, N. J.

Weiland & Risch, Chicago.

Welsh Bros., Boston, Mass.

Wieter Bros., Chicago.

Windler Wholesale Floral Co., St. Louis.

Witthold, H., Chicago.

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The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

M. Rice Co., Philadelphia, Pa.

The well known firm of M. Rice & Co., Philadelphia, Pa., is now known as the M. Rice Co. Notice to this effect and of the incorporation of the firm has been issued by B. Eschner, president and treasurer. A. Zirkman is vice-president and R. Brunswick secretary. The company was founded in 1885 and has enjoyed great prosperity. It is capitalized at \$100,000. One of this firm's latest specialties, Cupid's golden arrows have made an instant hit with the trade all over the country. This is a dainty conception from the House of Rice, and the success this novelty has met with is well deserved.

Giblin & Co. Sales.

Giblin & Co., Utica, N. Y., report sales of boilers to the following florists:

Jay Carpenter, Ithaca, N. Y., one No. 60 Standard sectional hot water boiler.

F. V. Metcalfe, Irondequoit, N. Y., one No. 408 Standard sectional hot water boiler.

F. M. Smith, Dansville, N. Y., one No. 100 Standard hot water boiler.

G. H. Sinclair, Holyoke, Mass., one No. 90 Standard sectional hot water boiler.

John J. Bohler, Latrobe, Pa., recently installed one No. 34 Standard hot water boiler.

H. J. Warning, Orchard Park, N. Y., one No. 60 Standard hot water boiler.

Standard Pump & Engine Co., Cleveland, O.

In order to take care of its continually expanding business, the Standard Pump & Engine Co., of Cleveland, O., has found it necessary to increase its capitalization from \$25,000 to \$100,000. The firm has now opened a retail sales department at 1406 W. Third street, in the very center of the uptown section, where they have on display complete water supply systems operating by gas and gasoline engines and electric motors. They also have hand water systems as well as a line of gas engines and pumps. They are displaying their engines operating small generators in connection with storage battery lighting systems for suburban homes. All of their displays will be in operation and will doubtless prove very interesting to the many visitors whom they cordially welcome.

PHILADELPHIA, PA.—Dale & Yost will build a new greenhouse, 62x120 feet, at their plant, Haines street and Gontz avenue.

WACO, TEX.—Wolfe, the Florist, has incorporated, capital \$24,000. The firm members are Tom J. Wolfe, Fred C. Wolfe and Fisher Lamb.

ALTON, ILL.—The following officers were re-elected at the annual meeting of the Alton Horticultural Society: E. H. Riehl, president; Wm. Jackson, first vice-president; A. B. Davis, second vice-president; Edw. Hallard, treasurer; Ella B. Davis, secretary.

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ANY LENGTH UP TO 32 FEET OR LONGER.
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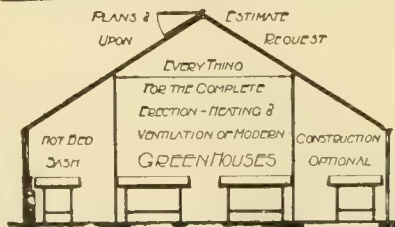
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ARE THE MOST ECONOMICAL
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No Night Fireman Required
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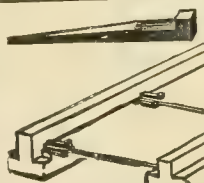
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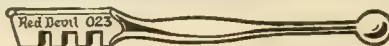
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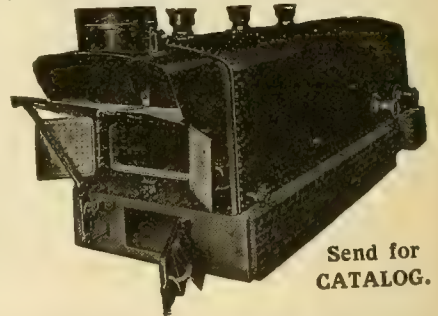
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Samples free.

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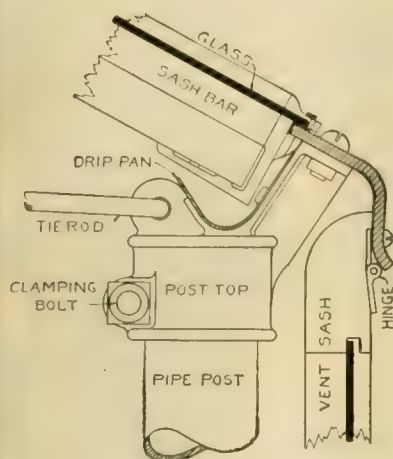
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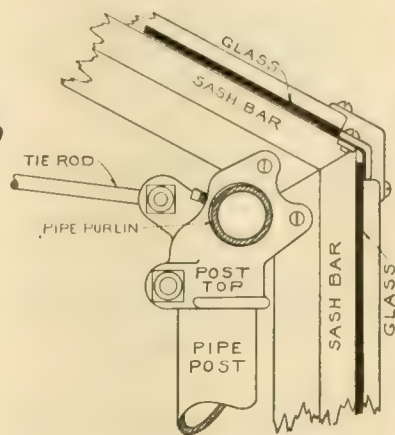
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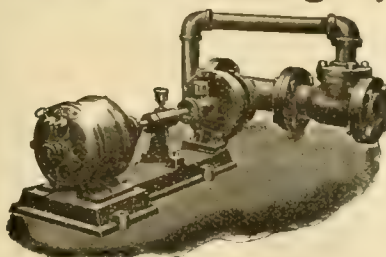
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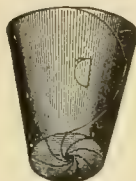


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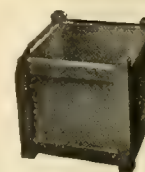


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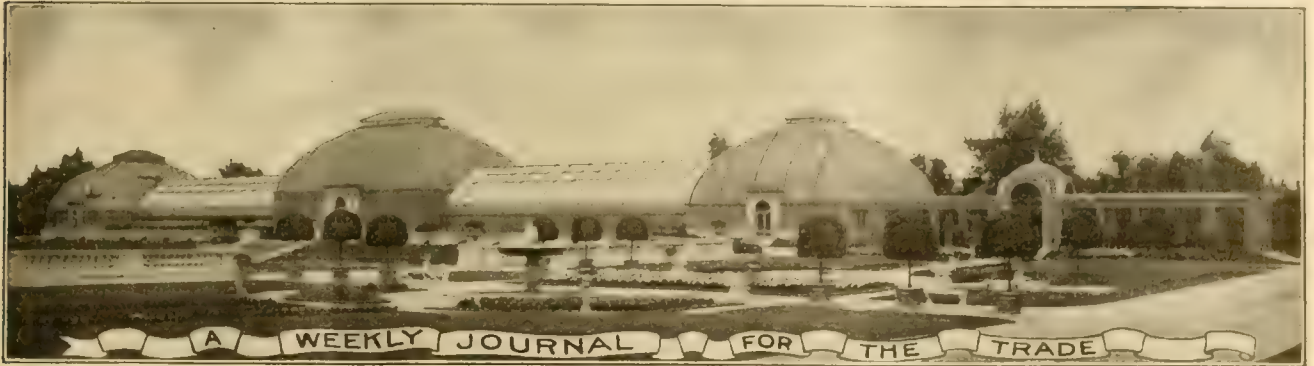
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Vol. XL

CHICAGO AND NEW YORK, FEBRUARY 15, 1913.

No. 1289

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Entered as Second Class Matter Nov. 11, 1891,
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PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

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Long Distance Phone: Harrison 7465.

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Subscription, United States and Mexico, \$1.00 a year; Canada, \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from the trade. Volume changes half yearly from August 3, 1901.

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American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS — J. K. M. L. FARQUHAR, Boston, Mass., President; THEO. WIRTH, Minneapolis, Minn., Vice-President; JOHN YOUNG, 54 West Twenty eighth Street, New York, Secretary; WM. F. KASTING, Buffalo, N. Y., Treasurer. Next annual convention and trade exhibition at Minneapolis, Minn., August 19-22, 1913.

Third National Flower Show, New York, April 5-12, 1913. JOHN YOUNG, Secretary, 54 West Twenty eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at Chicago, November, 1913. CHARLES H. TOTTY, Madison, N. J., President; C. W. JOHNSON, Morgan Park, Ill., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Violets.

With the approach of spring the violet plants grow rapidly and quantities of runners will spring from the old stools and propagation of the runners at this time will save much time and room later in the season when the spring stock is insistently demanding space, and much better plants are procurable from cuttings taken now than from divisions in May, when the days are often warm and the plants more or less exhausted. And if the young stock is procured now the old plants can be thrown out as soon as through blooming, securing available room at once. These runners or laterals root easily at this time in a propagating bench or can be taken off with a few small roots and either potted or placed in flats and will take but little room, and as early as possible placed in a cold frame. Treated in this manner splendid stock may be obtained for planting out early, either in the field or in the houses, and with good strong stock to start with much better results are sure to be attained than by being obliged to plant small, weak stock later in the year.

As the warm days approach the houses will need to be shaded, for the sun bleaches the flowers, and a watering of liquid manure will greatly assist in maintaining the size of the blooms and also keeping up the color.

Mignonette.

The grower will always find some plants in his beds of mignonette that produce exceptionally large spikes of bloom, the plants are more vigorous in foliage or the blooms of better form, and these spikes that show special characteristics should be selected and the seed saved, and in this way the grower can procure a strain which after two or three years' selection will be far ahead of any seed he can buy. This seed should, however, be saved before the bees and other insects are flying around and attracted to the houses, for they will cross-fertilize the flowers with undesirable strains. The seeds of mignonette do not ripen all at once, and as the pod remains open, the ripe seed falls out and is lost, so special preparation must be made to

receive it. Select the spikes that are to be saved for seed and tie them to strong stakes and mark them. The flowers should then be cross-fertilized, by rubbing a camel's hair brush up and down the flowers. This should be done every bright day so as to secure a thorough pollination. To catch and hold the seed take a piece of heavy brown paper and roll it into a cone shape, and after winding a piece of cotton around the stem and stake below the flowers, tie the small end of the cone-shaped paper around the cotton, the paper spreading upward so as to catch all the seed that drops out of the seed pods. This can remain until all the seed has ripened and as the spike grows the cross-fertilization continued, but care should be taken that no water gets into the paper to wet the cotton, and the seed must be gathered before the days become so warm that insects and bees are in the houses.

Easter Lilies.

The one important crop to the plantsman at this time is the lilies for Easter, for they must be properly timed to be at their best on that date. Easter this year comes early and most growers like to see buds on their plants six weeks before that time. If the buds are not showing, the temperature will have to be increased to 70° at night. This will do the plants no harm if they have good sunlight during the day, and are given all the ventilation possible, but the ventilators should not be opened unless the sun is shining and the thermometer at least at the same degree as the night temperature, and avoid all draughts possible for the plants grown so warm are very tender. It is next to impossible to bring a lot of lilies in all together, so it is better to grow them that the slowest ones will be in on time, and move those that are more advanced into a cooler house and retard them, but this should not be done until the buds are nearly full grown. A lily retarded when the buds are forming is very difficult to start into active growth again, but after the first buds begin to turn white the plants can be moved into a house of 50° or lower and they come on slowly and will be of better quality than those

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grown warmer. The plants should be all tied to a neat stake as soon as the buds form, if not already done, for the buds add considerable weight to the top of the stem and they bend over very quickly. When the buds form, if the plants are pot bound, a watering of liquid manure will increase the size and substance of the flower. It will be a continual fight against aphids from this time on and fumigation or spraying with nicotine will have to be regularly and continually practiced to bring the plants into bloom in the best condition.

Cannas.

One of the most decorative beds for summer, especially if it is of large size, is a bed of blooming cannas, for they are very showy and will bloom throughout the summer until frost cuts them down, and the varieties have been greatly improved during the last decade. To make the best showing the plants should be started early enough to have good strong stock at bedding-out time in May and June. The plants should be started by March 1 and now is the time to procure stock of varieties of which the grower is short or which he has not on hand. The clumps when removed from the winter storage should have all the old soil shaken off, the dried up stalk and roots cut away. They are then cut up into small pieces and if the stock is plentiful two or three eyes can be left to each piece, but where stock is short they are cut up to single eyes although with single eyes many weak plants will be produced. Often the clumps have started into growth and where this has happened the eyes should be sorted, those already started being planted together and the dormant eyes by themselves. Have boxes all ready and place an inch of soil on the bottom and then place the divisions on this closely together and cover with light, sifted soil and then water thoroughly. Keep the varieties separate and properly labeled, each box to contain but one variety and the name plainly marked on the box, for labels are often lost or misplaced. Place the boxes in a warm location—where hot water heating is used; they can be placed on the return pipes. In two or three weeks the plants will have made sufficient roots to be placed in 3½ or 4-inch pots, when they can be grown on in a house with a temperature of 50° to 60°. In planting cannas outside it should always be remembered that they are very tender and should not be set out until all danger of late frost is past.

SAN ANTONIO, TEX.—At the annual meeting of the Battle of Flowers Association the following officers were elected: Mrs. S. G. Newton, honorary president; Mrs. T. A. Coleman, president; Mrs. William Aubrey, vice-president; Mrs. Wm. A. Herff, secretary. The "battle of flowers" will be held April 25 this year.

FORT SMITH, ARK.—Bert Johnson was re-elected president of the Arkansas Horticultural Society at the meeting held here recently. This is the first time in the history of the organization that the president has been chosen to succeed himself. At this meeting the sweet potato growers of the state organized a society to educate the people of the North to the value of the Southern sweet potato. Officers of the new society are G. C. Nordin, Russellville, president; E. F. Waldrup, Nashville, vice-president; G. C. Watkins, Fort Smith, secretary-treasurer.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Hartman-Felsenehal Wedding Decoration.

W. J. Smyth, Chicago, had the decoration for the Hartman and Felsenehal wedding at the Blackstone hotel on February 5. The ceremony took place in a summer house arranged with smilax and pink roses. The bridal path was lined with white pedestals and vases of pink roses with garlands of smilax and pink roses connecting each pedestal. The bride carried a bouquet of lily of the valley and white orchids and the bridesmaids an arm-basket of pink sweet peas neatly arranged with pink ribbon. John Mangel had the table decorations which consisted of prettily arranged baskets of Killarney roses, pink tulips, freesia and pussy willows. String smilax was also used in the table decorations and a mass of palms occupied the center of the room.

Publicity in Philadelphia.

The newly formed Florists' Association of Philadelphia, Pa., has arranged for a meeting on Thursday evening, February 20, to be held in the Florists' club room, of all the interests connected with the trade that find their market in that city. The object

of this coming together is to find ways and means to "boost" the business in all its various branches. It is hoped to see at this meeting not only the retail and the wholesale florists and the growers of cut flowers as well as the nursemens, but the kindred interests, the florists' supply dealers, the greenhouse builders, the potters and others.

Every man in business is interested in the pushing of his particular venture and is more or less successful, according to his ability. All sorts of advertising schemes, many of them quite expensive, are used to attract trade. It has been felt for a long time by many men already interested in the production of cut flowers, that a publicity campaign carried on intelligently by men skilled in the business would bring to the attention of the people, facts about flowers and plants that would awaken a new interest and create a demand that would give an added impetus to the business.

It is therefore proposed to establish in Philadelphia a publicity bureau that shall be one not only in name but, backed by the enthusiasm and hearty support of all the trade, shall become a live and active organization for the dissemination of horticultural knowledge, correctly informing the people how plants should be cared for and of the many uses for cut flowers. They will be told how the industry has grown and how by economical methods the



STANDING WREATH.

Lily of the Valley, Orchids, Gardenias, Ivy and Magnolia Leaves. Arranged by the Fleischman Floral Co., Chicago.



TABLE DECORATION AT HARTMAN-FELSENEHAL WEDDING, BLACKSTONE HOTEL, CHICAGO, FEBRUARY 6.

Arranged by John Mangel.

cost of producing flowers has been greatly reduced. Flowers are to be proved no longer a luxury, but a necessity, and they will now be offered at prices in the different grades to suit all purses.

The head of this bureau is to be a trained newspaper man who will take the matter furnished him by the various committees and dress it up so that it will be accepted as news by the papers and go into the reading columns without expense other than the cost of its preparation. There are one hundred and one ways, and then some, in which the people may be approached to get them interested in the business, all of which can be worked out by this bureau with the support of the trade. It will not interfere with individual initiative but will create a demand that the live dealer will be quick to take advantage of and turn to his own profit. This, in brief, is the object of the meeting. Let everybody come. If all cannot pull they can fall in behind and push. Let Philadelphia put her best foot forward and maintain her place in the van of movements for the betterments of the business.

ROBT. KIRT.

TACOMA, WASH.—The majority of the old officers were re-elected at the annual meeting of the Tacoma Dahlia Society. The officers for the ensuing year are: W. H. Reed, president; Mrs. Belle Freeman, first vice-president; Mrs. W. S. Cutler, second vice-president; Mrs. W. D. C. Spike, secretary; Geo. M. Lee, treasurer. For the other three members of the executive committee President Reed appointed James R. Thompson, Mrs. O. E. Spooner, and F. Graham.

Third International Flower Show.

NEW GRAND CENTRAL PALACE, NEW YORK.

One of the few really grand buildings in New York is the new Grand Central Palace, Forty-sixth street and Lexington avenue, close to the magnificent and newly opened Grand Central Station of the New York Central Railroad, and easily and quickly reached from any part of the city. The building is notable for the immense amount of floor space it provides, and for the many conveniences presented in its general arrangement, such as are not approached by any other public building in the city. In this building will be housed the Third International Flower Show, to open Saturday, April 5 and continue until Saturday evening, April 12.

The main floor, mezzanine floor and floor above have been engaged at an expense in the neighborhood of \$12,000, and the premiums to be offered will in all probability exceed twice that amount in value—an undertaking which in magnificence has never before been attempted in the history of horticulture in America.

Entering the building by the main entrance one is confronted by the grand staircase, large enough to accommodate a big crowd of people at one time; and at the sides are the ticket offices, each presenting an easy approach. The staircase, owing to its design and surroundings, permits of lavish floral decoration, and something wonderful in this direction is in store for the public. From the staircase one emerges into the main hall, a triumph in point of architecture. Massive stone columns

with Corinthian capitals, support the floor above, and the ceiling is most ornamental. A stone parapet surmounted by large vases gives prominence to the mezzanine floor, from which a splendid view of the main floor is obtained. The main floor is about 185x275 feet altogether, including a cafe and restaurant, which occupies a space about 25x122 feet. Between the columns on the main floor, running transversely, are a series of "halls" each about 40 feet wide, but these halls will not be reckoned with separately in the layout of the show, and the columns will lend themselves very nicely in the arrangement of exhibits. The artificial lighting arrangements are superb—not a gloomy spot anywhere.

All who have visited these sections of the building express themselves as highly pleased with them as being excellently adapted to flower show requirements. The freight elevators are of more than ordinarily large capacity, as may be imagined when it is stated that the largest motor trucks were placed on the main floor at the recent automobile show without difficulty. The cafe and restaurant are first-class in every respect and the service of the finest, at moderate prices. The telegraph and telephone service, too, is most ample.

J. H. PEPPER,

Chairman Publicity Committee.

BOSTON, MASS.—Mayor Fitzgerald will ask the city council to appropriate money for plans and estimates for a public horticultural building to cost \$100,000 for the Fenway.

Local Grown Seed and Local Conditions.

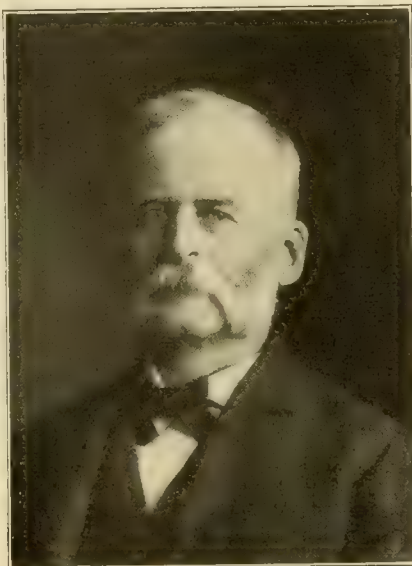
Paper read by W. W. Tracy, of the Department of Agriculture, Washington, D. C., before the Massachusetts Horticultural Society, at Boston, Mass., February 8, 1913.

In December of 1907 I had the honor of addressing your society, and I talked at that time about the great number of varietal names of cultivated vegetables, as compared with the comparatively limited range of distinct varietal differences which the names really stood for, and of the great importance to profitable cultivation of the use of seed, each one of which was uniformly of the exact varietal character desired. During the five years since that talk I have had opportunity to see hundreds of cultures of vegetables and to learn of the comparatively greater satisfaction and profit that comes from the use of seed which was not only uniform, but of the exact character best adapted to each particular culture and economic use, and because of this experience I am very glad of the opportunity to talk to you today about the adaptation of strains of cultivated vegetables to local conditions and special requirements.

In the case of most cultivated plants, and particularly those most generally used as culinary vegetables, there are indefinite and indescribable differences in stocks or strains of plants called by the same varietal name through which they are more or less perfectly adapted to local conditions of soil and climate, and still more so to distinct market conditions or culinary uses. The basic purpose of all horticulture is the direction and control of the character of vegetable growth rather than a mean increase in its value. Cultivated fields do not generally carry a greater burden of vegetation than the wild forest or prairie but under cultivators the productive energy of soil and sun is directed towards the development of the particular kind of plant which is most desirable. In the case of most fruits this can be easily secured by multiplications of vegetative parts of the original plant, but as most garden vegetables are propagated by seed, uniformity of crop can only be secured through the use of seed, every grain of which, because of hereditary tendency, will under cultivation develop into a plant of the desired varietal form, well suited to some specific condition and use. Such varietal character of seeds is seldom indicated by any observable difference in the seed itself, but are like those between two apples from the same tree, which are indistinguishable by the eye or the scales, but differ most materially in flavor or keeping quality, or like that between two turnips or two tomatoes from the same plants, which may be so alike that they cannot be distinguished by eye or scales, and yet differ most materially in palatability. In a like way seeds produced by plants of the same heredity, but grown under different climatic or soil conditions, will often carry a materially different tendency and potentiality of development, and even in environment as identical in character as it is possible to secure will develop into plants showing very distinct varietal differences.

Different plants vary greatly as to the degree and in the way they show such inherited tendencies. We all know in the case of corn the growing for even a single generation in a more northern climate or during an exceptionally cold season will result in the

shortening of the time it will require for plants from such seed to develop from germination to ripened grain, and that the corn plant will, through its seed, adjust subsequent generations to the climatic conditions where it is grown. On the other hand, I have known a five-acre field in Michigan to be planted in equal parts with two lots of watermelon seed, both originally of the same stock, but one of them grown for the five preceding seasons within one hundred miles of the Gulf of Mexico, and the other for the same number of generations in Michigan, with the agreement that if the grower could detect any material difference in the earliness of maturity



W. W. Tracy, Washington, D. C.

of the lot grown from the Michigan seed he was to have a bonus of \$100. The outcome was one of the finest and most evenly ripening field of melons I ever saw, and the grower made no claim for the bonus. I have had opportunity to observe a great many similar comparisons of crops from northern and southern grown seed of the same varieties of cucurbitaceous plants without being able to detect any differences in time of maturity, but have known of instances where there was clearly a material difference in other qualities that seemed to have resulted from environmental conditions of the seed producing plants, and the most successful southern melon growers are careful to use only southern grown seed.

I might take up the whole afternoon in discussing the adaptation of plants through their seed environmental conditions, and such adaptation is not limited to cultivated plants. I well remember an experience of fifty years ago, when I found growing in the open cracks in limestone ledges in Northern New York very pretty little geranium-like plants which seemed quite different from any I remembered ever having seen before, but after a careful botanical examination I could find no difference except much smaller size and a deeper, brighter color of the flower between the new plant I had discovered and the common wild geranium, or cranesbill *Geranium maculatum*, which grew everywhere in Michigan. I saved and took

home some of the seed from my dainty little plants and grew it for three generations in Michigan, where it became the comparatively coarse and unattractive wild geranium.

Again, I would refer to scenes of similar experiences, all showing that at least some of both wild and cultivated plants are capable of, within a few generations, readjusting themselves to changed conditions and environment. A careful observer cannot have failed to notice the material difference often seen in the character of plants of the same species, and even of the same garden variety when grown on different soils and exposures, and that one plant will reach its most attractive and useful development where another, possibly of the same species, and even supposedly of the same variety, will develop but poorly. I think it needs no further discussion to show that, in order to secure the most satisfactory results in quantity and form, we must plant seed which is not only uniformly of the varietal forms which will be most satisfactory, but which has been so grown as to be the most perfectly adapted to that particular climate and soil, and for the particular use for which it was planted.

We think that this is not universally practiced by even our most careful planters. Growers from Maine to Florida depend upon California for their lettuce seed. The Boston grower who forces a crop in midwinter uses seed grown in the same California fields as that used by a Norfolk or Florida planter for an outdoor crop. If the variety and the stock was the best possible for use in one set of conditions, it can hardly be the best possible for the other. We have found that by growing lettuce seed under glass we were enabled to select and breed from plants which did much better inside than otherwise equally good and carefully selected plants grown in the open. We think that the success of such growers as the Hettinger Brothers of your city and Dell Titus of Irondequoit, N. Y., is very largely due to their use of strains of seed especially adapted to their local conditions and cultural practice, and that an interchange of seed would mean comparative failure to both.

The first success of the melon growers at Rocky Ford was very largely due to the use of carefully selected and local grown seed especially adapted to their location, cultural methods, and last but not least, shipping requirements. Nearly twenty years ago I visited a melon field in Rocky Ford with Col. Swink, the father of the melon industry in that section, and asked him to select for me ideal specimens, which he did, taking great care to select fruits very uniformly of a certain distinct character. Then a little later, when he very carefully selected some fruits to take home to eat, I called his attention to how different these were from the first selection, and he said the first fruit was the best for shipping and good enough to sell, but not such as he wanted for his own table. The Montreal melon is very different in character and is grown and handled very differently, but the growers, like those of Rocky Ford, use local grown seed carefully tried and selected so as to secure the best possible adaptation to local conditions and requirements. No two farms are exactly alike in climate and productive energies, no two men will follow identical cultural methods, and

the varietal character of a vegetable which will give the best satisfaction and profit on one farm and for one market will not be as satisfactory in another, so that the best possible results can only come from the use of seed, at least of those vegetables upon which your reputation and profit chiefly depends, and from which it is possible for you to grow a superlative quality. How can such seed be secured?

I have had an intimate connection with American seedsmen for over thirty years, and I believe them to be quite as honorable and considerate of their customers' needs as any class of merchants, but they are in business for the sake of personal profit rather than from altruistic motives, and cannot be expected to push the sale of, or to long continue to offer, varieties or special stocks which afford them little or no profit. Often a certain variety can be depended upon to give a good yield of seed in one location, but rarely more than a very light crop in another, although what you do get is apt (not certain) to yield large crop of better quality than that of plants from seed of the large crop. Can you expect the seedsman to push the sale or long continue to offer the stock which affords him no profit? I have known of many instances where a variety or special stock materially better than that generally used has never come into the general planter's hands and has dropped out of cultivation because the seedsmen could not handle it with profit. Again, could a seedsman be expected to furnish distinct stocks of common sorts so grown as to be especially adapted to the conditions and wants of each of thousands of customers, many of those using only one ounce or two of seed? One has no right to criticize common practice without suggestion for betterment, and so I make bold even here in Horticultural Hall, and before this society made up of the wisest and most skillful horticulturists in the United States, to make the following suggestion for the securing of strains of seed, of the vegetables of which the quality is the greatest importance to you, that will give the greatest satisfaction and profit.

First, form a very definite, clear and exact conception of the exact varietal form you want, and that you may do this intelligently it is advantageous, almost a necessity, to make or at least see and carefully study growing tests made in climatic soil and cultural conditions that you can reproduce as closely as possible in your own cultures, of as many varieties and stocks of the vegetables you are specially interested in as possible. Such trials should include as many as practical of the special stocks and so-called novelties of seedsmen. It is probable that such a test will demonstrate that most of the claimed superlatives are useless to you, but if one lot does better than anything you have previously used, and you are thus guided and helped to the developing of a stock which is the best possible for your conditions, this discovery will be worth more than your trials for a dozen years would cost. When you are sure as to the exact varietal form which will be most satisfactory and profitable, I think it is very desirable, if not absolutely essential, that a description of it be written out and, if possible, illustrated by drawings or photographs and frequently referred to in order to avoid the indefiniteness and change in conception of the exact form selected,

which is the root of much of the variability so common in most stocks.

The second is to select a score or more plants, each of which comes as near to this ideal as possible, avoiding the temptation to include even superlative plants that differ in any way from the recorded ideal sought for. When the habit of growth is such as to make it practical to do this, each of these selected plants should be screened so as to insure its self-fertilization, and in any case, the seed of each of those, even of those which are so near alike as to be indistinguishable, should be saved separately.

but human control of conditions is imperfect, and it is quite possible that our selected foundation plant did carry a hidden variant which may crop out in some future generations and reveal the want of uniformity. In which case we simply have to try again, and in any case it is wise to start a new selection from our very first full seed crop in order to guard against the effect of the inevitable crossing in future generations.

I do not think it would be profitable or advantageous for one to attempt to grow all the various seed he uses, but I do think that very often it would be



HYDRANGEA—WELL GROWN PLANT.

The third step is to make a growing test of a generous sample of each lot of seed under uniform conditions of soil and culture. As the plants develop they should be carefully studied and the lot in which the plants are most evenly like our ideal of the sort should be selected, resisting the temptation to take lots which may contain superlative plants, but also many inferior ones, or those which differ in any particular from our described ideal. In order to guard against a concealed variant, and the mishaps to which all such selections are subject, it is wise to select one or more second choice or substitute plants.

The fourth step is to plant the reserved seed of the plant or plants which our trial has proved to be the most uniformly like our ideal, each as completely separated and protected from the chance of contamination through the pollen from other plants as it is possible to secure and carefully save the seed so grown as foundation stock to be planted in an isolated block from the product of which we may develop any desired quantities of stock seed. If our selection was as good as our sample trials indicated, and we have in it a plant of the exact form desired, which did not carry a hidden tendency to variations, which was recessive and unexpected in our test samples, but developed in later generations, our work is accomplished,

an advantage for a grower, or better yet, for a united group of growers, to grow what seed they need of one or more of the crops which are adapted to their location, and to which they pay special attention, and I am certain that if the work is wisely and carefully done along the lines suggested it would give them seed which, because of its adaptation to their conditions, would give them crops better in quality and quantity than it would be possible to produce from seed grown elsewhere.

"Gardnin'."

"Git ready fur yer gardenin'," says Uncle Hiram Wise.
"Don't sit around an' think that you will git a glad surprise
With early peas an' other things a-smilin' in a row,
Unless you git outdoors an' 'tend to business with a hoe.

"Fur gardenin' is purty much like all the things we try:
You can't plant seeds an' leave 'em to the mercy of the sky.
You've got to tend the growin' things on which you've set your heart.
The weeds 'll surely beat 'em if you let 'em git a start.

"If all you seek is pleasant paths in which to set your feet,
You can let the daisies blossom; but they won't be good to eat.
A lot of us would oft be spared a disappointin' shock,
If cabbage an' tomatoes grew as easily as dock."

—Washington Star.

New England Dahlia Society.

The seventh annual meeting of the New England Dahlia Society was called to order by the president, J. K. Alexander, at 2.30 p. m., at Horticultural Hall, Boston, January 29. After the reading and adoption of the minutes of the last meeting the president announced that we would proceed to the election of officers for the year 1913. John K. Alexander of East Bridgewater, Mass., was nominated and unanimously reelected to a third term as president, W. C. Brady of Wollaston, Mass., was reelected vice-president; J. Herbert Alexander of East Bridgewater, Mass., secretary, and George L. Stillman of Westerly, R. I., treasurer. The executive committee selection was as follows: Edgar W. Ela, Woburn, Mass., J. H. Flint, Salem, Mass., C. N. Bacon, Holliston, Mass., L. B. R. Briggs, Cambridge, Mass., and Parker A. Mansfield, Malden, Mass.

Following the election of officers President Alexander called upon Maurice Fuld, representing the Henry F. Michell Co., Philadelphia, Pa., who gave an exceedingly interesting address on the progress and development of the society, and made some valuable suggestions. The secretary read a communication from the Massachusetts Horticultural Society, inviting the New England Dahlia Society to co-operate with them and hold their annual dahlia exhibition in conjunction with the Massachusetts Horticultural Society's annual dahlia show. The matter was then discussed and the president appointed a committee, consisting of Edgar W. Ela, Maurice Fuld, and George L. Stillman, to interview the Horticultural Society in regard to the matter. The committee retired and after an interview with William P. Rich, secretary of the Massachusetts Horticultural Society, they returned, reporting that the societies would hold their shows in conjunction but that each society would use its own exhibition rules and regulations, retain its own name and offer its own prizes. The New England Dahlia Society then voted to hold its annual Dahlia exhibition September 12-14, and to make it the largest dahlia exhibition ever held in this country. After numerous suggestions for the good of the society the meeting was adjourned.

We ought to have a full thousand members before the 1913 show is held. Twenty-eight states, including Porto Rico, and five foreign countries are already represented on our list. The society issues quarterly a "Dahlia News," which deals with all phases of dahlia life, a paper of great value to lovers of the flower.

J. HERBERT ALEXANDER, Sec'y.

HARBOR SPRINGS, MICH.—The Babcock Floral Co. has completed two new greenhouses, one 25x100 and the other 10x100 feet, besides extending the old house to 100 feet in length. This gives the firm 5,500 square feet of glass. An up-to-date hot water heating system has been installed.

WALLA WALLA, WASH.—E. C. Burlingame, president of the Washington State Horticultural Association, has announced the appointment of the following as members of the legislative committee: E. F. Benson, Tacoma, chairman; H. M. Gilbert, North Yakima; W. P. Sawyer, Wapato; H. W. Otis, Peshastin; Michael Horan, Wenatchee.

Bedding Plants.

Active work should now be the order in all lines of bedding plants. To be sure of having a good stock on hand for planting out at the proper time it is of the utmost importance that the propagation be followed up closely from this time. Where large quantities of this class of plants are needed the lack of propagating space is sometimes a serious problem and it becomes necessary to work the stock fast. This can only be done by potting up the cuttings as quickly as they have formed roots, and that is just what these plants need. They push forward into active growth much faster when taken from the sand with roots one-half inch long than if al-



J. K. Alexander.

President New England Dahlia Society.

lowed to remain long enough for the roots to become long and wiry.

Another very important item essential to the successful culture of bedding plants is a good live soil. A compost, comprising one part of thoroughly rotted manure to four parts of light soil, with a little sand added, is best suited for them. Leaf mold, when it can be obtained, is also good for mixing with the soil, but it should be thoroughly decayed. It is essential that the soil be brought inside long enough ahead to be well dried and warmed through before it is used. To be able to obtain the required number of cuttings of some plants it sometimes becomes necessary to encourage the stock plants a little. If through having been held in the pots a long time any have become hard the wisest course to take with such plants is to take what cuttings are fresh and fit, then treat the stock plants to either a re-potting or a top dressing of fresh soil to start them into active growth again to produce the wood for the cuttings.

The geranium being the leading bedding plant, I take it as the first subject on the list with the object in view of producing a first-class plant in bloom ready for sale by May 10 or later. A large majority of the geraniums growing are from cuttings rooted

last September and October, and should now be in 3-inch pots. If the work of putting them from 2¼-inch to 3-inch receptacles has not been attended to up to this time it should be done without further delay. The treatment we give our main batch of geraniums is to put in the cuttings during September and October. They are then generally rooted and ready for potting by the time some of the chrysanthemums are out of the way. We then pot them into 2¼-inch pots and water them well at the time of potting, after which they are held a little to the dry side and the temperature of the house held around 50 degrees at night with an advance of 4 degrees in cloudy weather. On bright days we control the temperature by means of ventilation, being careful never to allow the house to become close or stuffy or any cold draught to strike the plants.

These plants are then potted into 3-inch pots sometimes between January 20 and February 10. They very soon get into active growth and are watered as they need it with the same cool temperature maintained as before mentioned. They are held in these pots until about March 8, when they are potted into 4-inch pots, which is their flowering size. The soil is increased in richness with each stage of development, the first potting being a pure soil without any manure in it, beyond a little that was put in at the time of making the compost heap a year before. When they are shifted into the 3-inch size in January a little extra well-rotted manure can be added. Then at the time of potting into the 4-inch size in March a sprinkling of bonemeal can be mixed in. The watchword at all times in the culture of the geranium should be to avoid anything that has a tendency to promote a soft growth and every encouragement given them to make a sturdy dwarf habit.

As soon as the plants get well rooted after shifting into the 3-inch pots and the growth is strong enough that it can be done without distressing the plant too much, a cutting can be taken from them; but in doing this consideration should be given to the after effect and good judgment used while doing the cutting, it being very poor policy to cut a plant away so that there is little left of it. They take too long to recover from this to catch up in time to make a good plant in bloom by May 15. To keep the plants dwarf and sturdy pinch out the tips of the growth shoots and remove all flower buds as they appear. The pinching of the shoots should be discontinued early in March and the removal of the buds about April 1. By following this up there will be no danger of the plants not having sufficient blooms on when the selling time comes. Geraniums are not subject very much to attacks from insects, but they will suffer a great deal from overcrowding, losing their lower leaves and thus making the plants look stinky. Care should be taken at all times to avoid this, especially after they get into the 4-inch pots, because when in active growth in the spring they will get away from you in two or three days if not watched.

Alternanthera growers follow different methods of carrying these plants over winter. Some lift the old plants in the fall, trim them back, pot into 3-inch pots and propagate fresh stock

in the spring. If this method has been followed it is now time to think about getting the cuttings into the propagating bed. Alternantheras need a high temperature to keep them moving, and to get the stock plants to make a good supply of cuttings it will therefore be necessary to give them a light, warm place. A temperature of 70 degrees or more is none too much. The same thing applies to their propagation. With a strong bottom heat and a moist sand they will root readily in a short time. Another method followed is to lift the old plants in the fall, bunch them together in pots or flats, then divide them in spring and either pot them up or plant them out in a hotbed. It is yet too soon for hotbeds, so plants intended for this method should remain as they are for four or five weeks yet, unless they are not keeping well. Then they should be cleaned up and given a warmer place. The most up-to-date culture of alternantheras is the method followed by the gardeners at the leading cemeteries where large numbers of these plants are used. They propagate them in July and August, pot into 2-inch pots, carry over winter until the middle of March, then shake out, re-pot with fresh soil into 2, 2½ or 2½-inch receptacles, and plunge the pots to the rim in a hotbed. The principal points to consider in growing alternanthera is to use a light sandy soil, give them a high temperature, keep them on the dry side during the winter, and water freely when in active growth in the spring.

The many different kinds of soft wooded plants for bedding, such as ageratum, heliotrope, petunias, salvias, abutilons, lobelia, sweet alyssum, etc., should all be propagated and worked along now with the main object in view of having a growing young plant for planting out when the time comes, and not one that is hard and woody. Antirrhinum (snap-dragon), pilea, cuphea, lantana, achyranthus and the coleus should also not be overlooked; propagated now, they will need all the time to grow into first-class shape.

Cannas should be started now. Clean all the rubbish from the roots and remove any that are decayed, then cut the roots up into pieces of two and three good, strong eyes. Choose a propagating bench with bottom heat and fill in with sand, then run the canna roots in close. Water only enough to settle the sand around them. Care must be taken not to get the sand too wet before fresh roots are made. As quickly as they have started enough they should be taken out and potted into 3½ or 4-inch pots—according to the size of the bulbs—and given a warm place to grow in. Seed of the various annuals needed should be sown now. Lobelias, verbenias, centaureas, bellis and all of this class of stock ought to be under way by this time. A fine light, sandy soil, firmly pressed in shallow flats, should be used. Care must be taken in the watering, so that they do not dry out too much, using the same judgment that the soil does not get too wet. This, together with care that the seed is not sown too deep, are the essential points to get a good stand of the seedlings. Pansies that were sown four weeks ago will be ready for transplanting in a few days. They must be attended to right away to guard against their becoming drawn and spindling.

C. W. JOHNSON.

The Florist and His Market.

Discussion of paper read by Wallace R. Pierson, of Cromwell, Conn., before the Philadelphia Florists' Club, February 4, 1913.

Any one who has the idea that the Philadelphia Florists' Club is going into a decline should have been present at the February meeting, when the capacity of the club's large room was taxed to accommodate the two hundred or more who had gathered to hear Wallace R. Pierson's paper on "The Florist and His Market." Mr. Pierson is one of the coming men of affairs in the business of this country and anything from him is always found full of in-

phiala to deliver it. The fact that stock was being produced faster than it was sold and then not to advantage was certainly a coming problem, said Mr. Craig. It had been partially solved in New York city by an energetic man, through the aid of the department stores, where immense quantities of the surplus had been handled at satisfactory prices. He cited Bloomingdale's department store, where the stock carried was equal to that of any of the retail stores and where prices were maintained. This was in charge of — Burnham who on account of his business ability had built up the business



CATTELYAS AT THE NUSSBAUMER FLORAL CO., SAN ANGELO, TEX.

formation. He is always on the job, keeps himself well informed, and in consequence is rapidly becoming a national figure in horticultural circles. His paper was very comprehensive, the main thought being that we are approaching a crisis in the business on account of the growing or producing part of the business going ahead at a much faster pace than the retail trade, on which depends the final distribution to the people. In other words, that the supply is greater than the demand, and further that the fault, for the most part, lies with the retail florists, who lack aggressiveness. Mr. Pierson intimated that if these gentlemen did not get a "hustle on" their market was likely soon to have to stand a competition from the producers, who would place their flowers before the people in a way that would insure their sale at all times at popular prices. As an alternative, he proposed that all hands get together and start a campaign of publicity that would spread the love for flowers, and by its persistency and the information given out of the many uses for flowers and their prices, at all seasons of the year, would disabuse the mind of the public that flowers are a luxury and bring them into much more general use.

Robert Craig, in his usual affable manner, complimented Mr. Pierson on the great thought he had given the subject, and reminded the club of how much was due such a busy man as Mr. Pierson, who had not only prepared the paper but had journeyed to Philadel-

until eight delivery wagons were assigned to this department. In Philadelphia nothing like this had been attempted, department store stock offered being for the most part job lots bought up to be sold at bargain prices. Such business, he claimed, did not hurt the retail florist any more than Childs' lunch houses would interfere with the business of first-class restaurants. He spoke of other trades getting together and limiting production, but with the flower business he did not think this feasible. Perhaps the principal growers might agree to devote a certain amount of their space to tomatoes and other vegetables and cut down production in this way. He was in favor of the publicity movement and thought, as did Mr. Pierson, that it was a matter for the S. A. F. to take hold of. He approved of exhibitions and liberal payments to exhibitors but without prizes, as the humiliating thought of being second, or third, kept many good men out. Showing the public what could be done with plants and flowers in a decorative way was, he thought, very educational. He hoped to see many examples of this work at the coming International Flower Show.

Secretary John Young of the Society of American Florists was glad to be present. He wanted to hear Mr. Pierson's paper and also to tell Philadelphia about the great coming exhibition. He was glad to find such interest being taken here, and urged all who were in the habit of attending the trade exhibits to be sure and engage space, as

it was going rapidly. More than \$10,000 worth had been engaged up to this time. The souvenir programme had sold \$3,700 worth of its advertising space in its pages. In referring to the decorative features he said several prominent florists had agreed to make displays, giving examples of their work on an elaborate scale. Mr. Young also spoke of the great work that was being done at Minneapolis by Theodore Wirth, the society's energetic vice-president.

Chas. H. Totty, of Madison, N. J., was introduced by the president as being active every day of his life in advancing the florists' affairs. Mr. Totty was full of the third International Flower Show, which he declared would be the greatest the world had ever seen. He had found the private growers in this neighborhood very much alive to the situation and in consequence there would be some great exhibits. He referred to the advertising of the show, which he said was in good hands. Last fall's show had had an attendance of 130,000. Of course that was free, but it showed the interest the people were taking in flower shows. He said that the New York Herald was getting out a special section to advertise the show that would not cost the florists anything. Twenty-eight local bodies were all working for the success of the show and it could not help being a success. Exhibits were expected from Europe, which if they carried well, would be an important feature of the exhibition.

M. C. Ebel of the Aphine Mfg. Co., Madison, N. J., pulled hard for the publicity idea. He spoke of the great work done by the cement and other industries which maintain publicity bureaus always on the alert for good, and ready to offset anything of a negative tendency to their interests. He believed that work in a national way by a competent man who was well paid for his services would produce great results. Mr. Pierson's publicity feature was taken by Adolph Farenwald as his text and the flower show as the best way to reach the public. The flowers were best brought before them in this way and they saw them at their best. The great show in New York will give a grand opportunity to the public to see the great strides that are being made. You could write whole pages to the people and they would soon forget it, but with the flowers before them it will make a lasting impression, said Mr. Farenwald. He spoke of a prize for a vase of 75 roses, the money for which is being raised in this city. It was going to be well worth working for and should bring out such a display of this flower as has never been seen before. He urged all the Philadelphia growers to get a move on and beat New York to it.

Mr. Pierson here spoke of the great benefits likely to accrue to the grower from the parcel post. People like to get flowers from the grower and as the grower and consumer could easily get together in this way it opened a new field that many growers ought to be prepared to take advantage of. Charles Fox was much pleased with the tone of Mr. Pierson's paper, particularly the get together movement for publicity. He had no time for this talk of the poor grower, as this was all nonsense. There was more glass going up every day and this did not show adversity. It was time for all to get together. What he had spent for publicity, and it was considerable, he felt had paid

him, and what could be gotten into the newspapers without cost would, he felt, surely be of great benefit to the trade in general. Robert Kift thought Mr. Pierson's view a little pessimistic, as much new glass was going up presumably from profits of that now in operation. It was almost impossible for the retail men to increase their sales to keep up with the production of the growers with their constantly added greenhouses.

There was a fine exhibition of roses and carnations. The Mrs. Charles Russell rose, The Robert Scott Co.'s new brilliant Killarney, is the latest and best deep pink sport of this great variety. As seen here it was superb. Irish Fire Flame looked well. A new white carnation, Matchless, from the Cottage Gardens Co., Queens, N. Y., is a fine thing. Eureka, Salmon Queen and Enchantress Supreme from Dailidouze Brothers, Brooklyn, N. Y., were all fine carnations. Scott Bros., of Elmsford, N. J., staged their carnation Wm. Eccles. Northport, from J. D. Cockroft, Northport, N. Y., made a fine show. The Florex Gardens, North Wales, Pa., sent two fine seedling carnations. J. N. Eisser, Columbia, N. C., exhibited, through Edw. Reid, a fine pink carnation like Enchantress. It was a pleasure to see such fine stock and the exhibition was much enjoyed by everybody there.

K.

WITH THE GROWERS

F. Dorner & Sons Co., LaFayette, Ind.

No florist ever visits F. Dorner & Sons Co., La Fayette, Ind., without being well paid for his time. The firm invited the Indiana State Florists' Association to visit their place February 4. About 30 accepted the invitation, and a more satisfied lot of florists never visited a florist's establishment. We all know that for a number of years this firm has been headquarters for new and improved carnations, and judging by what we saw there are better things in store for us than we could have dreamed of.

Our attention was first called to a red seedling named Champion. This variety seems to be so much in advance of all other red sorts now in commerce that there is little comparison. It is a large bloom, calyx perfect, color ideal; extra long stem that stands erect anywhere. Theo. Dorner informed the writer that it was early and fully as free as White Wonder. No. 138 is certainly a phenomenal variety. A light shade of pink hard to describe as I have never seen another carnation the same shade, and without question it has the largest blooms in commerce—some flowers five inches in diameter, the smallest 3½. Perhaps this is the most striking variety among all this firm's seedlings. If this mammoth kind has keeping and productive qualities it will be the greatest acquisition in a carnation that has been given us in many years.

However, the variety that most took my fancy among the lot was No. 271. This is a light pink, something on the order of Gloriosa, and, I think, between the shade of the latter and Pink Delight. It is much larger than either of those varieties and had the appearance of traveling 2,000 miles

in first class condition. I saw this sort at this place last year and was much impressed with it then and have not changed my mind in regard to it now. Many other good things were noted here but the three mentioned above were truly wonderful in the eyes of the visiting florists.

There were many hundred varieties of seedlings and many worthy of comment. However, I will mention but few briefly that seem most striking. No. 251 is a rose pink of wonderful texture and early. No. 5 a beautiful large bloom, the same color as Rosette, but Mr. Dorner informed us it was too late to be profitable. No. 148 is a beautiful salmon pink with 4-inch blooms. No. 150 a very charming color of the Lawson shade. No. 189 is a dark pink, larger than Rosette. No. 254 is a large bright red, extra strong stem.

Of the 1911 seedlings some very promising sorts were noticed, but it is hard to judge the merits of a variety when only a few plants are seen. We noticed a salmon pink sprout from Gloriosa which should prove acceptable to the trade. We measured some of the seedlings here that had stems fully three feet long. Of the standard varieties White Wonder and Gloriosa were grown in the largest quantities. Mr. Dorner informed us that the demand for these two sorts this year exceeded their expectations.

The Dorners are not confining their energies to seedling carnations, but are experimenting somewhat with roses. A few plants of a seedling red rose was noted. It is of the most intense crimson and delightfully sweet. After a few hours spent in the greenhouses the meeting of the society was held in the spacious packing room, where the regular business was transacted. After the adjournment of the meeting we were all escorted to carriages and conveyed to the LaFayette club for dinner. A vote of thanks was tendered to the Dorners for their kind treatment and I feel sure that the whole crowd have nothing but the most pleasant recollections of their visit to LaFayette and the establishment of F. Dorner & Sons Co.

W. W. COLES.

San Francisco.

FUNERAL WORK LARGE.

February was ushered in with trade conditions about the same as prevailed in January. This last month the usual after holiday lull has been on but the period has been marked for the unusual amount of funeral work, which has compensated largely for the light counter sales. Growers and storemen alike have no complaint, their report in general being "satisfactory," and in view of the unprecedented sales during the late holidays and the normal conditions prevailing in trade circles all are looking forward to the Easter trade with serene confidence. Rose stock this week was plentiful in the second and lower grades, but as usual first-class stock was scarce, resulting in high prices all along the line. Lilies are good but scarce, hyacinths, daffodils and tulips are fair and not over-plentiful, freesias the best and most abundant of the bulbous stock. Cattleyas and phalaenopsis are excellent and move well. Violets are plentiful and greens sufficient for demand.

The entire stock of what was one time the F. Ludemann Nursery, later purchased by H. Kempf and known as the Pacific Nursery, covering 70 acres

of evergreens, ornamental and flowering shrubs, deciduous trees, dracaenas and more than 80,000 roses, has been bought by the MacRorie-McLaren Co., who have a large force lifting and removing the stock to their Beresford place. Much of it is being shipped to various points on the coast and to places where they have landscape work in progress. A large motor truck has been purchased to expedite the work.

A feature of the Pelicano & Rossi store last week was a vase of superb American Beauty roses on 8-foot stems, both flowers and foliage being excellent. This fine stock was sent in by Henry Maier of the Hillsborough Nurseries, who is also sending in a supply of Boston and Elegantissima ferns that are second to none.

Domoto Bros. are sending in a limited stock of the new rose Prima Donna. Next to American Beauty this variety brings the best price on the market and is quickly bought up. Prima Donna has proved all that was claimed for it.

Jos. Jacques has returned from a honeymoon spent in Southern California. His bride is a charming young lady of Redding, Calif. A host of friends extend their best wishes.

E. B. Washburn, of Bassett & Washburn, Chicago, is looking over some choice land in the interior valleys.

D. Cameron of F. Sanders & Sons, St. Albans, Eng., is making a tour of this state.

Ed. Schwerin is still sending in quantities of first-class lily of the valley.

T.

Lancaster County Florists' Club.

Twenty-two of us started January 30 for Christiana, Pa., and the establishment of M. J. Brinton, reaching his place 11:15. Mr. Brinton is the successor of a very worthy sire who knew how to and did grow a variety of plants and flowers to perfection. The senior Mr. Brinton is living on the original homestead and takes an active interest in the work. The miscellaneous stock is all good and kept in better condition than any such stock the writer ever saw. All manner of Easter plants are working themselves into shape and a lot of general spring plants are following along to fill the vacant spots that will be left by Easter.

The carnation range here is almost ideal and the Gloriosa variety altogether so, certainly the best in this part of the country. A bed of O. P. Bassett was without any imperfection and if this bed could be duplicated everywhere, all other reds would be relegated to the rubbish heaps. Mrs. Brinton surprised us with a very fine lunch and that it was fully appreciated goes without saying. She made an ideal hostess and we all united in extending her a hearty vote of thanks.

Coming back toward Lancaster our first stop was made at — Ranck's of Vintage, where the unusual spectacle of the main crop of flowers having been cut for the holidays was seen. Every other grower in this section has his main crop just coming on. Here among the carnations we saw an immense large pink sport of Gloriosa. The second stop was made at Walter Denlingers, where a fine batch of Alma Ward carnations were the special feature. It might be well to say that all of the growers visited on this trip had uniformly good carnations and most of them had the regular standard varieties growing in quantity. The third stop was at Ira H. Landis's place at Paradise. Here the chief attraction was a fine bench of Benora carnations, so fine that our critical Chas. B. Herr of Strasburg placed an order for some cuttings. We had another unusual spectacle of an old, almost forgotten variety—a half bench

of Lawson Enchantress, as fine as ever it was grown. Mr. Landis gives considerable space to freesias and white and yellow daisies for cut flowers. He also grows outdoor sweet peas, gladioli and peonies for spring and summer flowers.

The fourth and last stop was made at the combined establishments of Chas. B. and Elmer Weaver, the largest area of glass in the county. Chas. Weaver grows calendula, mignonette and sweet peas good and in quantity. The sweet peas are grown in houses of modern type, the other stock in older houses. Elmer's part of the establishment is devoted to carnations and the novel one here was a bed of Comfort, which he likes above all other reds. Here we found Enchantress missing as he has discarded it for Pink Delight, of which he had a large lot. His whites are likely to follow the same fate and all be discarded for White Wonder. Here concrete benches are used for propagating and that they are satisfactory is proved by the fact that new ones are in the course of construction. Here Jacob Flear almost lost himself in the boiler cellars. A searching party found him inspecting the ash carrier and other mechanical appliances in use at this establishment.

A jolly but tired party reached Lancaster at 5 p. m. Outside the sociability of these trips they are educators. Sometimes the grower with one or two houses has worked out some ideas that the larger grower overlooks and yet these ideas are worth money to him. Our next meeting is on February 20. This will be carnation night—a good chance for novelty introducers to show a number of growers their flowers. Any one sending flowers should address them to H. A. Schroyer, Lancaster, Pa.

ALBERT M. HERR.

Cyanide in Greenhouses.

ED. AMERICAN FLORIST:

Will you kindly let me know how much cyanide to use and how to use it in the following houses? They are infested by white fly. Will the cyanide injure any plants and how long will I have to stay out of the houses after using? One house is 43 feet long, 12 feet high, 20 feet wide, glass on sides four feet from ground. One house 35 feet long, 10 feet high in center and 13 feet wide.

G. D. R.

The amount of cyanide necessary for efficient fumigation of a greenhouse is dependent upon the number of cubic feet in the house. It is often recommended that one ounce of cyanide be used for each 1,000 cubic feet. We have, however, recently had good success in killing the white fly with only half that amount, and would recommend that. In purchasing the cyanide it will be necessary to insist on having it 98 per cent pure.

The method of producing the gas is by dissolving the cyanide in a mixture of sulphuric acid and water. For each half ounce of cyanide will be required one ounce of concentrated sulphuric acid and about two ounces of water. The application to any house is a matter of estimation based on the above given figures. The 43-foot house has approximately 7,000 cubic feet and the smaller house about 3,000, provided the figures have been correctly interpreted. For the former would be required $3\frac{1}{2}$ oz. cyanide to be dissolved in a mixture of 7 oz. acid and 14 oz. water; for the latter $1\frac{1}{2}$ oz. cyanide in 3 oz. acid and 6 oz. water. The acid and water should not be combined until all is ready for addition of the cyanide and should then be effected by pouring the acid into the water. Earthen jars of one gallon size would be best adapted to the amounts here suggested.

The gas is very dangerous, fatal to human beings as well as to insects.

and every precaution must be taken not to expose oneself to it either at the beginning or at the end of the process. The cyanide may be suspended in paper bags over the jars by strings leading to the outside so that it can be lowered without entering the house. The house should be closed as tightly as possible during fumigation. A number of ventilators should be arranged so that they can be opened from the outside, as it is dangerous to enter while the house contains the gas. With some ventilators and the doors open for half or three-quarters of an hour it will then be safe to enter. Care should be taken to prevent the accidental entrance of any one not advised of the fumigation and the contents of the jars should be buried afterwards.

The best time to fumigate is at night. If the process is continued for a period of two hours it will be likely to accomplish its purpose, but an exposure lasting from 10 or 11 o'clock at night until morning is more convenient. Whether there will be any injury to the plants will depend upon the species. Some are more susceptible to injury than others. Since there is no information in this inquiry on that point no advice can be given. Young and tender shoots on rapidly growing plants are sometimes injured. This is true of roses and we have had similar trouble with tomatoes. Chrysanthemums are said to be sensitive. Ferns, geraniums, begonias, violets, and string beans do not seem to be injured in any stage of growth. It will probably be a good thing not to water too freely for five or six days before fumigation.

F. D. KERN.

Moninger Samples for Colleges.

The John C. Moninger Co., Chicago, is taking another forward step in furnishing samples of greenhouse structural material for state agricultural colleges where there are classes in horticulture in which greenhouse construction is taught. Only state colleges have thus far been chosen as recipients of these gifts, but the Moninger firm states that other schools of standing having such courses will be included if they make their needs known. The samples are of a high class and cost money and are not intended for indiscriminate giving, only such institutions as have bona fide courses in greenhouse construction being selected. Instructors in such schools have often expressed a need for samples to use in class work.

OBITUARY.

Mrs. Jacob Elicker.

Mrs. Jacob Elicker, the Homestead, Pa., florist, succumbed Thursday night to an attack of Bright's disease from which she had been suffering about two weeks. Mrs. Elicker was 47 years old and had been in business in Homestead all her life, starting when there was no such thing as a flower store there. She leaves a large family circle in the surrounding towns who all are in the same business, among whom are: Wm. Drewes, Braddock; Mrs. A. C. Miller, Duquesne; J. A. Frederick, West Homestead, and her father, near Braddock. She also leaves a son Harry and a daughter, Mrs. S. Strom of Homestead.

Martin Grady.

Martin Grady, well known in the nursery trade, died January 29 at his home in Flushing, L. I., aged 71 years. Mr. Grady has traveled over the entire country in the interests of the Parsons Nurseries, with which firm he was identified until its suspension from business about ten years ago. He was born in Ireland, coming to America when 21. He is survived by a wife and three daughters.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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ECHEVERIAS.—There is inquiry for bedding echeverias again this season. Who has them?

A NEW yellow dahlia is being introduced by Warnaar & Co., Sassenheim, Holland, which they have named Mrs. Vaughan, and of which they say they have high expectations.

It is not stated why commission florists of New York state should be placed under bond but that will be the effect of a bill now before the legislature at Albany if it is not changed before passage.

JOHN N. MAY'S retirement from active business February 1 is announced, his son Harry O. May succeeding to the famous establishment at Summit, N. J. Mr. May's work will forever assure him high rank in the florists' hall of fame and the many thousands who have enjoyed the fruits of his labor will join us in saying to him, "Let calm and sunshine long be thine."

Lincoln Tree to Be Saved.

FREEMONT, ILL.—Richard Johnson, owner of the famous elm tree under which the Lincoln-Douglas debate was held here August 27, 1858, has called in an expert forester to fill three cavities in the tree. The forester says the tree is more than 200 years old.

Plant Diseases in Illinois.

The state experiment station at the University of Illinois informs us through — Munsey, who has charge of that department, that it will be glad to receive diseased plants and to assist in diagnosing and combating the diseases. Any Illinois florist whose plants are affected would do well to consult Mr. Munsey.

Chrysanthemum Manual Revised.

We are in receipt of the third edition of the "Chrysanthemum Manual," by Elmer D. Smith, just issued from the press. The book now contains 106 pages and is well illustrated. The new features of this edition include "Condensed Instructions for Growing Exhibition Blooms in Pots," "Hydrocyanic Acid Gas for Aphis," "Thrip Juice for Destruction of Thrips," "Leaf Tyers," "The Lace Winged Fly," Special Instructions on Packing Blooms" and many minor additions to the various other chapters to add to its usefulness. We can supply the new book at the regular price, 50 cents per copy.

Insecticide Board's Report.

The report of the insecticide and fungine board of the Department of Agriculture under the insecticide act of 1910 has been issued. Samples of insecticides and fungicides entered for interstate commerce are collected, analyzed and tested to determine whether there has been any misbranding or adulteration. Foreign importations are subject to the same restrictions as those manufactured here.

During the year 1912 there were 650 samples collected, representing 330 different articles produced by 212 different concerns. Of this number 246 cases have been disposed of, 82 being placed in permanent abeyance, and 64 transmitted to the attorney general for prosecution. Seven of these have resulted favorably to the government, while the others are still undecided.

Illinois State Florists' Association.

The next annual meeting and exhibition of the Illinois State Florists' Association will be held at Peoria, March 4-5. The Chicago delegation will leave on the Rock Island Railroad from the LaSalle street station at 9:10 a. m., arriving at 1:25 p. m., March 4. An elaborate program will be issued shortly and it is said the exhibition will be the finest ever held under the auspices of this organization. The people of the convention city are looking forward to this event, expecting perhaps too much from the local trade, but it is believed the members throughout the state will lend a generous hand in making the exhibition the brilliant success it deserves to be in this thriving center. The officers of the association are Chas. W. Lovelidge, Peoria, president; C. W. Johnson, Morgan Park, vice-president; J. F. Amman, Edwardsville, secretary; and Frank L. Washburn, Bloomington, treasurer.

American Rose Society.

SPECIAL PRIZES.

The members of the American Rose Society are much in earnest about putting up a fine exhibition at the coming International Flower Show in New York. There have been special prizes of considerable value offered by the New York Cut Flower Co., which have not yet been finally adjusted, the value being \$200.00. There is also a special prize from Moore, Hentz & Nash, of a silver cup valued at \$50.00 for the best six roses, six roses in each entry; no three to be of the same variety, no stem to be longer than twenty inches; the roses of each variety to be judged on their own merits and not by comparison with the other varieties. There is also a special grower's prize, first, second and third, \$15.00, \$10.00 and \$7.00 in cash. This prize is for the actual grower of any exhibit and not for the exhibitor, excepting in the case where he does his own growing. The object is to recognize the man who actually does the good work. This prize was first offered by Frank L. Moore of Chatham, N. J., and has been renewed by some one almost every year since. There is also another special prize reported as coming from Philadelphia, for 75 roses of any variety, excepting American Beauties.

BENJAMIN HAMMOND, Sec'y.

Callas Falling to Bloom.

ED. AMERICAN FLORIST:

I have a house of calla lilies which are not doing well and I would like to know what is the trouble with them? They are in 7-inch pots and are pot-bound with good healthy roots. I run the house at 60 to 65 degrees at night and 75 degrees in daytime. Now, when I had only a few hundred plants, they did very well, but the 500 I bought this fall are very shy bloomers and when they do bloom the first bloom is all right, but the one following is not worth anything, consequently there is nothing until the third bloom. These plants seem very healthy, but the greater part of them have not bloomed at all. They were potted last September.

SUBSCRIBER.

So long as the plants remain in good health, there is no need to despair. Some seasons the roots do not ripen equally well and consequently they are a little disappointing in their flowering season. Keep the night temperature at 62° and refrain from feeding until the flowers begin to show. Feed once a week after that and as the season advances, give a rich mulch, one inch deep. C.

Soil for Killarney Roses.

ED. AMERICAN FLORIST:

What is considered an ideal soil for the Killarney varieties of roses?

R. E. P.

Wisconsin.

Killarney roses can be grown in a variety of soils very successfully. A mixture of loam and clay is very much in favor with many growers. This is best when taken from old pastureland, using the top "spit" of about five inches deep, thus securing the fibrous grass roots which serve to keep it porous and sweet. In the absence of this class of soil, any soil that is not too fine in texture or too sandy in its composition, can, with a fair proportion of manure, be made to produce high grade stock. C.

Meetings Next Week.

Boston, Mass., February 18.—Gardeners and Florists' Club of Boston, Horticultural hall.
 Detroit, Mich., February 17, 8 p. m.—Detroit Florists' Club, 247 Randolph street.
 Grand Rapids, Mich., February 17.—Grand Rapids Florists and Gardeners' Club, office of member.
 Lancaster, Pa., February 20.—Lancaster Florists' Association, Chamber of Commerce.
 Montreal, Que., February 17, 7:45 p. m.—Montreal Gardeners and Florists' Club, Royal Guardians building, 224 Sherbrooke street west.
 New Orleans, La., February 20, 8 p. m.—New Orleans Horticultural Society, Kolbs hall, 127 St. Charles avenue.
 Newport, R. I., February 19.—Newport Horticultural Society.
 Providence, R. I., February 17, 8 p. m.—Florists and Gardeners' Club of Rhode Island, 98 Westminster street.
 St. Louis, Mo., February 17.—Retail Florists' Association, Hotel Washington.
 Salt Lake City, Utah, February 18.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.
 Scranton, Pa., 7:30 p. m.—Scranton Florists' Club, Guernsey building.
 Seattle, Wash., February 18.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.
 Toronto, Ont., February 18, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

Wants, For Sale, Etc**One Cent Per Word, Cash with Adv.****For Plant Ads., See Ready Reference Section.**

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Single, Age 18. Assistant in private or commercial place. Good references. Address, Key 780, care American Florist.

Situation Wanted—By a widely experienced florist; age, twenty-six; single. Kindly state full particulars in first letter. Address, E. F. ADAMS, Poughkeepsie, N. Y.

Situation Wanted—By a first class grower of all around greenhouse stock; also good designer; 17 years experience; age 33.
 Address Key 781, care American Florist.

Help Wanted—Competent, experienced vegetable gardener, single, on gentleman's farm. State references and wages. Box 270, Hinsdale, Ill.

Help Wanted—Gardener, married, for private country place. Good position for a first class man. Permanent. References required. Address Key 782, care American Florist.

Help Wanted—A bookkeeper who has had experience in bookkeeping in a florist's store. Address A. F. F., care American Florist, 124 East 24th Street, New York.

Help Wanted—Florist and gardener, competent to take charge of greenhouse, garden and grounds at State Institution. Address SUPERINTENDENT, State Public School, Owatonna, Minn.

Help Wanted—Good rose grower and stock for retail trade; 75,000 sq. ft. of glass; must be married man; permanent position for right party. GRAND RAPIDS FLORAL CO., Grand Rapids, Mich.

Help Wanted—Experienced grower of Killarneys and Wards; \$50 per month and board and lodging; must furnish good references. Apply WRIGHT'S FLOWER SHOP, 224 West 4th St., Los Angeles, Calif.

Help Wanted—Married man, temperate, to grow nursery stock, hotbed and vegetable plants, on small place. Good house furnished. Good, steady position and good wages to right man. ARCHIAS' SEED STORE CORP., Sedalia, Mo.

Help Wanted—At once; steady, sober, young man, for designing, growing pot plants for retail and mail order trade and bedding out. Good steady position to right party. Write with reference. ARCHIAS FLORAL CO., Sedalia, Mo.

For Sale or Lease—Greenhouses, 10,000 feet of glass, 2 acres ground. J. S. SEAL, Huntingdon, Pa.

For Rent—55 East Chicago Avenue, Chicago, half of store. Suitable for florist. In fine neighborhood. Apply 750 Rush Street.

For Sale—New Greenhouse with 11 acres of land located in a rich farming country and in county seat. Inquire of FRANK A. WERBACH, Cambridge, Ill.

For Sale or Lease—Greenhouse and florist's store; about 2000 feet of glass and 50 by 125 feet of ground. Established trade. Wish to retire. 1749 W. Huron St., Chicago.

For Sale—Half interest in a good paying Florist business, must be sold by March 1st. Other business cause of selling. Write immediately for particulars. Address, Key 765, care American Florist.

For Sale—Retail florist store at 4229 Broadway, New York; good business attached; improving location; reason for selling eminently satisfactory; terms quite reasonable. Address LE MOULLE, 202 Bowery, New York.

For Sale—Greenhouses and interest in florist business. Place has 27,000 feet of glass; well stocked; located in state of Pennsylvania. Good chance for a young florist who can take charge. For particulars address Key 774 care American Florist.

For Rent or Sale—Greenhouses, 28,000 feet of glass, hot water and steam heat; also 3 acres of land and barn if desired. Ten minutes walk from R. R. station and street car; 14 minutes north of Chicago on C. & N. W. Address, JOHN FELKE, SR., 716 Ridge Ave., Wilmette, Ill.

For Sale—A good paying florist business, established over 15 years ago by present owner. 9,000 feet of glass with retail store. A good location in Chicago. Fine chance for the right party. Death in the family reason for selling. For further particulars, address, Key 766, care American Florist.

For Sale—Best chance on Pacific Coast for a man to get a good business cheap. Will explain in letter why I am sacrificing my greenhouse stock for \$800.00, including horse, wagon, stock and utensils. Lease for greenhouses, 20 acres of land tenure, and out-buildings, \$225.00 per year. 20 minutes ride on electric to heart of business center; population, 100,000. Address, Key 79, care American Florist.

Wanted—Active partner in established wholesale business on Pacific Coast. Exceptional opportunity for development. Energy and push necessary; also sober; must invest \$1,000. Address, giving experience and for further information, Key 775, care American Florist.

WANTED

Rose grower to work under foreman in a large range of houses in Minnesota; \$15.00 per week to start; state experience and reference in first letter. Address

Key 777, care American Florist.

Grower Wanted

A good all around cut flower man to take charge of a plant near Chicago. Give full particulars and state salary wanted in first letter.

Key 773 care American Florist.

WANTED

Good all-round greenhouse man, middle-aged and married preferred; must be sober and reliable; 4500 feet of glass; grow carnations, roses, bulb stock, bedding plants, etc.; good wages and permanent position; town of 2600, with all advantages of city at lower living cost. Address

Key 785, care American Florist.

FOR SALE

Greenhouses, eight (8) house plant; portion brand new. Located fourteen (14) miles from Chicago; stocked with carnations, in full crop, excellent condition. Plant convenient to railroad. Terms reasonable to responsible parties. Must take charge at once.

Address Key 783, care American Florist.

FOR SALE.

3,000 lights, 14x20 inches, double thick, plain American glass, second hand.
 9,000 lights, 8x10 inches, double thick, plain American glass, second hand.
 700 lights, 15x20 inches, double thick, plain American glass, second hand.
 14 Evans Challenge ventilating machines with arms and pipe complete for 100 ft. houses or longer
 E. A. KANST, 5329 Ellis Ave., CHICAGO, ILL.
 Telephone, Hyde Park 1844.

OFFICIAL S. A. F.**Shipping Labels**

Actual size of leaf 2 3/4 x 5 1/4 inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.

440 Dearborn St., CHICAGO.

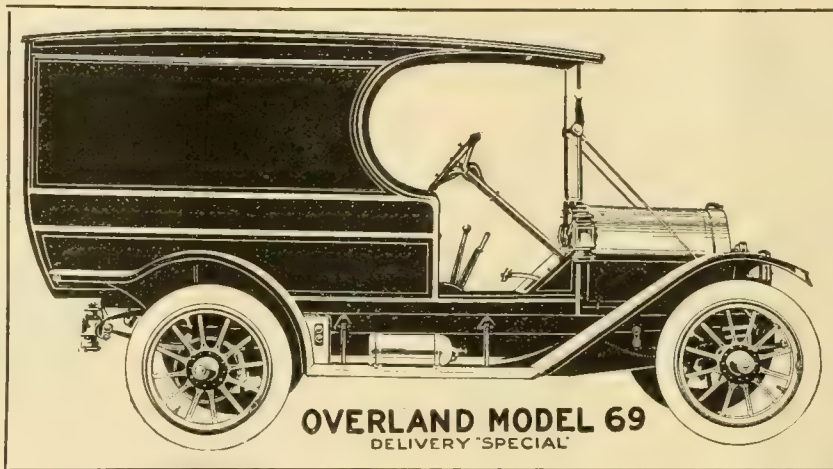
Always mention The American Florist when you order stock. : : :

IF your Easter Stock is right, advertise it now. There is much inquiry as to who can fill the orders this early season and the early advertisement gets there.

Overland

Delivery Cars

30-h.p.,
4-cylinder
MOTOR
110-inch
WHEEL BASE
Selective,
Three Speed,
Center Control
Transmission



Three-
Quarter
Floating
REAR AXLE.
33 x 4, Q.D.
TIRES.
Roomy
BODY

Equipment—Acetylene engine starter, gas tank, two gas lamps, three oil lamps, wind shield, speedometer, horn, full set of tools, pump, jack, etc.

Price, Including Equipment, \$1,000, f. o. b. Toledo, Ohio.

Not exhibiting at Coliseum but can be seen at our salesroom and in the salesrooms of Overland Distributor in all large cities. Send for Catalog.

OVERLAND MOTOR CO.

2426-28 Michigan Avenue, CHICAGO, ILL.

MANUFACTURED BY

THE WILLYS-OVERLAND CO., Toledo, Ohio

Washington.

An automobile carnival is being held here, February 10-15, and on account of a silver cup being awarded for the best decoration the florists of Washington have been kept busy the past few days with the result that many of the automobile houses could easily be mistaken for flower shops.

Among the visitors this week were Julius Dilloff of Schloss Bros., New York; A. G. Keroes, with Wm. J. Boas Co., Baltimore, Md., and Chas. McCauley, formerly of this city but now of Chicago. Charlie was gladly welcomed by his old friends.

The local growers are cutting some fine stock. F. H. Kramer's Queen

Beatrice roses are exceptionally good and are finding a ready market through the Florists' Exchange.

In the store of Geo. H. Cooke can be seen the finest Killarney Queen roses in the city, also some five-foot Pink Killarneys, very fine stock.

Primroses coming from Chas. M. Wernig of York, Pa., are the finest seen in this vicinity for some time.

Stock seems to be plentiful, the windows of the local florists being filled with the choicest flowers. G. C. D.

Maywood, Ill.

P. E. Weiss, Henry Meyer and F. H. Weiss have incorporated a new company, capital \$15,000. They will

build three new houses 27x375 feet each. They will specialize on American Beauty roses. Mr. Meyer is the chief American Beauty grower for the A. F. Amling Co. now.

W. H. Amling has bought the establishment of P. E. Weiss which he will run in addition to his own place. He is also building a new dwelling.

A. F. Amling Co.'s new automobile truck is proving a big asset. E. C. Amling, Jr., has bought a new car also.

A. F. Amling and wife have returned from Florida after a few weeks' stay.

Wm. Wichtendahl intends to build a greenhouse 27x100 feet.

H. W. Wehrmann will build two houses 21x300 feet each.

Dennison
QUALITY



Dennison's
TRADE MARK

Tags for Florists

Give the Final
Touch to an
Attractive
Box

This
is the
Season of
Debutantes'
Dinners
and Dances

Busy Florists

Will ship box after box of beautiful flowers. Of all the accessories to the flowers, the tag is the most important. It should be attractively printed with crest or monogram on clean white stock. The Tag is the Business Card of the florist on his goods. It must represent him in quality.

Write for samples of Dennison Tags

Dennison Manufacturing Co.

THE TAG MAKERS

BOSTON
26 Franklin St.

NEW YORK
15 John St.

NEW YORK
5th Av. & 26th St.

PHILADELPHIA
1007 Chestnut St.

CHICAGO
62 E. Randolph St.

ST. LOUIS
905 Locust St.

Sales Offices in
Thirty-three Leading Cities



ROSES NOW IN CROP.

NOTE REDUCTION IN PRICES.

Our roses are all carefully sorted and packed and cut especially for the shipping trade. Buy your flowers direct from a large grower. You get a more even run of stock and much fresher cut. We send our stock from the greenhouses three and four times per day.

CARNATIONS IN LARGE SUPPLY.

Fancy Red, Pink and White, per 100, \$3.00. Medium stems, Pink and White, per 100, \$2.00. Shorts and splits for funeral work, \$1.00 per 100.

CURRENT PRICE LIST. Subject to change in market.

American Beauties

	Per doz.
Specials, extra long stems.....	\$ 6 00
36-inch stems.....	5 00
30-inch stems.....	4 00
20 to 24-inch stems.....	3 50
12-inch stems.....	1 50

Carnations

	Per 100
Fancy Pink, White and red.....	\$3 00
Medium Pink and White.....	2 00
Short and splits, white and pink for funeral work.....	1 00

Rhea Reid, Ward, Richmond, White and Pink Killarneys

	Per 100
Extra select.....	\$10 00
Medium.....	\$6 00 to 8 00
Short.....	4 00 to 5 00
Short Wards.....	5 00 to 6 00

Miscellaneous

	Per doz.	Per 100
Harrisii Lilies.....	\$1 50	10 00
Jonquils.....	\$2 00 to 3 00	3 00
Narcissus Paper White.....	2 00 to 3 00	3 00
Lily of the Valley.....	3 00 to 4 00	4 00
Tulips, all colors.....	2 00 to \$3 00	3 00
Tulips, double.....	3 00 to 4 00	4 00
Sweet Peas.....	50 to 1 00	1 00
Asparagus Sprays.....	3 00 to 4 00	4 00
Sprenger.....	2 00 to 3 00	3 00
Ferns, per 1000.....	2 50	2 00
Smilax, per doz.....	1 50 to 2 00	1 00
Adiantum.....		
Galax, bronze, per 1000.....	1 00	

BASSETT & WASHBURN

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.
LONG DISTANCE PHONE, CENTRAL 1457.

Mention the American Florist when writing

Chicago.

NO GREAT IMPROVEMENT IN TRADE.

There has been no great improvement in trade since last week, although the weather has been very favorable. Even the early demand for stock for St. Valentine's day was light and it was the general opinion that it was far below that of last year. With the exception of roses, all kinds of stock are coming in more plentifully, especially is this true of bulbous flowers and carnations. Roses still are quite short of the demand and all the stock cleans up quickly at good prices. Most of that coming in is of the longer grades and short-stemmed stock has been at a premium for some time. American Beauties are in as good a supply as any of the varieties but the prices in some cases have advanced a little this week. Killarney and White Killarney sell quickly and Richmond has improved considerably in quality. Some fine My Maryland and Mrs. Jardine are to be seen now, and Rhea Reids are also arriving in fine condition. Sunburst and Melody are in larger supply but sell quickly at all times. Carnations are still very plentiful and have not advanced any yet in price, although red were somewhat scarce the first of the week. Most of the local wholesale dealers think there are too many White Enchantress grown in this vicinity, for a review of the market the past several months finds that there has been a surplus at nearly all times. One dealer says that this is because funeral work has been exceptionally light, which is probably the reason, for the percentage of deaths this winter is much less than last year. Too many bulbous flowers are also grown and it is really a shame to see such magnificent stock that is now ar-

iving in the market sold for such low prices as it is now. One of the leading growers of bulbous stock says that if he was ever to build another range he would not devote so much glass to these flowers as he does now. Tulips of all the colors, narcissi, both single and double yellow, are plentiful. Lily of the valley is quite plentiful and sweet peas are also in large supply. Orchids are still in good supply and are sold at a price at which all the stores can afford to make fine displays of these exotics. Violets are plentiful, but are having a little better call. Lilies and callas are more plentiful and some extra fine stock is to be had.

NOTES.

A. T. Pyfer returned on February 7 from Milwaukee, Wis., where he exhibited a vase of the Chicago Carnation Co.'s new scarlet seedling carnation. The Herald, at a meeting of the Milwaukee Florists' Club the previous evening. Mr. Pyfer also visited Nic Zweifel's range in North Milwaukee and incidentally booked his order for rooted cuttings of The Herald.

The next annual meeting of the Illinois State Florists' Association will be held at Peoria March 4-5. The local delegation will leave on the Rock Island Railroad from the LaSalle street station at 9:10 a. m., arriving at 1:25 p. m., March 4.

Wm. Mailander reports that five of the thirteen houses in process of reconstruction for Bassett & Washburn at Gregg's Station, from the materials of the old ranges at Hinsdale, are now completed and the remaining eight well advanced.

C. L. Sherer, formerly with the Wells-Fargo Express Co., has accepted a position as packer in the cut flower department of the A. L. Ran-

dall Co., to succeed Wm. Lorman, who has been promoted.

Fritz Bahr returned from California last week and is very enthusiastic about the great west. He expresses himself astonished with the tremendous possibilities of the Sacramento valley.

The next regular meeting of the Cook County Florists' Association will be held at the Tavern, Thursday evening, February 21, when the election of officers for the ensuing year will be held.

Joseph Ziska, who has manufactured wire designs for the past 33 years, says that he has never before experienced such a heavy demand for his stock in January and February as this year.

The machinery for the Geo. M. Garland Co.'s new wood working plant is being installed and according to the proprietors everything will soon be in readiness for starting.

George Kranze, of Muscatine, Ia., called on the manufacturers of greenhouse materials here this week with the intention of purchasing two new large houses.

M. Fink, of the Chicago Flower Growers' Association, has the sympathy of the trade in the loss of his father, who died last week.

P. J. Foley, of the Foley Mfg. Co., says there is a large volume of inquiry for plans and estimates in the greenhouse building line.

The Kroeschell Bros. Co. is enlarging its office, more room being needed conveniently to handle its ever increasing trade.

Philip L. McKee, with the John C. Moninger Co., has returned from a business trip to Milwaukee, Wis.

August Jurgens has returned from a visit to his Mississippi and Alabama peach groves.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

CARNATIONS

In Large Quantities for All Occasions.
Write for Special Prices on Large Lots.

A Large Supply of Long=Stemmed Roses

and a fine grade of home-grown Single and Double Violets, Valley,
Tulips, Jonquils, Sweet Peas and all other Seasonable Flowers.

Current Price List.

SUBJECT TO CHANGE WITHOUT NOTICE.

AMERICAN BEAUTIES		Per Doz.	RICHMOND.		Per 100	CARNATIONS—		Per 100
Specials		\$6.00	Long.....		\$12.00 to \$15.00	Fancy.....		\$3.00
36-inch.....		5.00	Medium.....		8.00 to 10.00	Medium.....		2.00
30-inch.....		4.00	Good short.....		4.00 to 6.00	Splits and Shorts.....		1.00
24 to 28 inch.....	2.00 to	3.00	KILLARNEY.			ORCHIDS,		
18 to 20-inch.....		1.50	Long.....		\$12.00 to \$15.00	PERCIVILLIANA.....	per doz.	4.00
Short stem.....	Per 100	6.00 to 10.00	Medium.....		8.00 to 10.00	TRIANAE.....	per doz.,	4.00 to 6.00
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.			Good short.....		4.00 to 6.00	ONCIDIUMS.....		5.00
Long.....		\$12.00 to \$15.00	WHITE KILLARNEY.			DENDROBIUM FORMOSUM, doz.		5.00
Medium.....		8.00 to 10.00	Long.....		\$12.00 to \$15.00	EASTER LILIES.....		12.00
Short.....		4.00 to 6.00	Medium.....		8.00 to 10.00	JONQUILS.....	3.00 to	4.00
MELODY, long.....			Good short.....		4.00 to 6.00	DAFFODILS.....		3.00
Medium.....		8.00 to 10.00	Extra special Roses, charged accordingly.			TULIPS.....	3.00 to	4.00
Short.....		4.00 to 6.00	VIOLETS, Princess of Wales.....		\$.50 to \$.75	ADIANTUM CROWEANUM.....		1.00
MRS. AARON WARD.			Double, New York.....		.50 to .75	MEXICAN IVY.....	per 1000, \$6.00	.75
Long.....		12.00 to 15.00	Double, Glencoe, home-grown.....		1.00	SMILAX.....		16.00
Medium.....		8.00 to 10.00	ROMANS.....		\$2.00 to 3.00	SPRENGER PLUMOSUS SPRAYS.....	3.00 to	4.00
Short.....		4.00 to 6.00	SWEET PEAS.....		.75 to 1.00	PLUMOSUS STRINGS, extra long and heavy.....	each, .60	
LADY HILLINGDON.			Long Fancy.....		1.50	FERNS.....	per 1,000, 2.00	.25
Long.....		12.00 to 15.00	VALLEY.....		\$3.00 to \$4.00	GALAX.....	per 1,000, 1.25	
Medium.....		8.00 to 10.00	NARCISSUS, Paper White.....		3.00	LEUCOTHOE.....	per 100, .75	
Short.....		4.00 to 6.00				BOXWOOD, fine bright green.....	per bunch, 25c; per 50 lb. case,	7.50

SUPPLY DEPARTMENT

WE ARE THE CENTRAL MARKET for all Accessories in the line of florists' supplies. New goods, prompt delivery.

Order now an assortment of Plant and (French Flower Baskets) for Easter, also Sheet Moss and Basket Foil.

Corsage Ties, Shields, Butterfly Bows, Pins, Etc.

Wheat Sheaves, Cycas Leaves, purple and white Ruscus, Crepe Paper, Magnolia Leaves, Porto Rico Mats and Green Fluid for coloring Carnations.

Send Us Your Easter Supply Order. Prompt Delivery at Lowest Prices.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

LARGE SUPPLY

BEAUTIES--ROSES--CARNATIONS

CURRENT PRICE LIST.—Subject to change without notice.

American Beauties.

Per Dozen	Per Dozen
60 in. stems.....\$5 00	24-in. stems.....\$2 00
48-in. stems.....4 00	20-in. stems.....1 50
36-in. stems.....3 00	16-in. stems.....1 00
30-in. stems.....2 50	

Killarney.

Per 100
Extra special.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stems.....4.00

My Maryland

Per 100
Extra Specials.....\$10.00
Select.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00

Roses, our selection - - - \$4.00

Mrs. Jardine, Long.....\$10.00

Medium.....6.00

Richmond

Per 100
Extra specials.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stem.....4 00

White Killarney

Per 100
Extra specials.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stems.....4.00

Carnations Good.....2.50 to 3.00

Medium.....2.00 | Short.....1.50

LILIES.....per doz., \$2.00; 15.00

FERNS, per 1000.....\$2.50

SMILAX, per doz.....\$1.50 to 2.00

ADIANTUM, per 100.....1 00 to 1.50

GALAX, per 1000.....1 00

SPRENGERI, per bunch......50

ASPARAGUS SPRAYS, per bunch......50

The Willys-Overland Co. of Toledo, O., manufacturers of the Overland delivery car, is mailing a handsome illustrated catalog to the trade. The Willys-Overland Co. is not exhibiting at the Commercial Automobile show at the Coliseum, but the cars may be seen at the show rooms of the Overland Motor Co. at 2426 Michigan avenue. The Overland people are making a special car for florists that sells at a figure within reach of all.

Samuel J. Pearce, who recently sold his Clybourn avenue establishment to railroad interests, will vacate the premises on October 1. It will be well worth one's time to visit his greenhouses now, for the bulbous stock is in exceptionally fine condition and a sight to behold. His lilies are in grand shape and he will have a fine lot for his Easter trade. Mr. Pearce grows *L. giganteum* exclusively and grows them right.

Herman Rogers, Weiland & Risch's obliging storeman, and family have returned from Detroit, Mich., where they attended the funeral of Mrs. Rogers' father, B. Evans. The late Mr. Evans was taken suddenly ill while visiting at the Rogers' home here and died after a brief illness. He was formerly the light keeper at Pentwater, Mich., and was well known and popular in marine circles.

At Poehlmann Bros. Co.'s store carnations are seen in large supply and Otto W. Frese says that the quality of the stock throughout is very good. Orchids are still seen in large quantities here but the shipments are noticeably smaller. The supply department had a good demand for supplies for St. Valentine's day and is now making preparations for Easter.

Henry Witthold and wife left for an extended trip in the southland this week and will visit the principal cities in Georgia, Florida, Louisiana and probably Texas. Mr. Witthold is en-

titled to a well earned rest, for it is the first vacation he has taken in 20 years. His efficient manager, H. H. Wilkerson, will be in charge as usual during his absence.

Percy Jones is having a special lot of new ribbons made for his trade that H. Van Gelder says cannot be surpassed for quality and price. There is now a great deal of keen rivalry between the cut flower and supply departments at this store, all of which is proving beneficial to the proprietors.

At Peter Reinberg's store American Beauty roses are still seen in good supply but Richmond and carnations are now the principal offerings. The demand for American Beauties at this store has been very heavy and no trouble has been experienced in disposing of the tremendous cut.

N. J. Wietor and Wm. Gast are telling their many friends of the delightful time they had at Ocean Springs, Miss., and New Orleans, La. Mr. Wietor met his old friend F. B. Faessell, formerly in the trade, at Ocean Springs and it is needless to add that the surprise was a pleasant one.

A. L. Vaughan & Co. must expect to do a big business the coming month, for the genial proprietor never was in a better frame of mind over the spring business than at the time of our visit to his store on January 10.

The Chicago Flower Growers' Association has been fortunate in having a good supply of fine Killarney and White Killarney roses the past week. Pussy Willows in bunches are now among the offerings.

Wietor Bros. are showing a fine grade of My Maryland and Mrs. Jardine, as well as their usual good line of other roses and carnations. Adiantum is seen in quantity here now.

At the J. B. Deamud Co.'s store bulbous stock of fine quality is seen in quantity, as well as carnations and nearly all the other seasonable flowers.

The Fleischman Floral Co. is making a fine display of cut flowers and plants at its magnificent store, and is moving a large quantity of stock by advertising and special prices.

Bassett & Washburn are now coming in crop with roses and are cutting carnations in quantity. Over 10,000 of the latter were received and sold at the store on January 10.

Mrs. A. Kindler says that the Raedlein Basket Co. had a big demand for baskets for St. Valentine's day and that Easter orders are now occupying the firm's attention.

John Zech has no complaint whatever to make as far as Zech & Mann are concerned, for the close of each day finds their stock fairly well cleaned up.

Emil Danz, proprietor of the Union Park Floral Co., is confined to the sick room due to an acute attack of inflammatory rheumatism.

Chas. W. McKellar has fully recovered from his recent case of blood poisoning and promises to be more watchful in the future.

Erne & Klingel had a fine supply of violets for St. Valentine's day and succeeded in moving the greater portion of their stock.

Ed. Misiewicz, 3211 South Halsted street, is now looking for a new location owing to recent changes in his neighborhood.

Herman Schiller is in charge of the Koropp establishment on Evanston avenue, which Schiller the Florist recently leased.

George Reinberg's callas and Richmond roses are arriving in fine condition now and sell quickly.

The E. C. Amling Co. is receiving a fine grade of Rhea Reid roses from the Wendland & Keimel establishment.

John Kruchten is featuring a large supply of Nelson Fisher carnations of exceptionally fine quality.

Miss M. C. Gunterberg now has violets of quality in quantity.

AMERICAN BEAUTIES

Extra Large Supply of Long Stemmed Flowers of Unsurpassed Quality at Very Reasonable Prices. Good Color, Foliage and Stem.

ALSO A BIG SUPPLY OF CARNATIONS

White Killarney, Richmond, Maryland, Melody,
Mrs. Aaron Ward and Sunrise Roses

Current Price List.

Subject to change without notice.

AMERICAN BEAUTIES

	Per doz.
Extra long.....	\$ 5 00
36-inch stems.....	4 00
30-inch stems.....	3 00
24-inch stems.....	2 50
20-inch stems.....	2 00
18-inch stems.....	1 50
12 to 15-inch stems.....	1 00
Shorts.....	\$ 50 to 75
Richmonds	Per 100
Select.....	\$10 00
Medium.....	6 00 to 8 00
Shorts.....	4 00
Killarney, Special	10 00
Medium.....	6 00 to 8 00
Short.....	4 00

	Per 100
White Killarney, Special	10 00
Medium.....	6 00 to 8 00
Short.....	4 00
My Maryland, Special	10 00
Medium.....	6 00 to 8 00
Short.....	4 00
Sunrise, Select	10 00
Medium.....	6 00 to 8 00
Short.....	4 00
Roses our Selection	5 00
Carnations, Fancy	3 00
Select.....	1 50 to 2 00
Harrisii Lilies per doz..	\$1 50

	Per 100
Valley	3 00 to 4 00
Violets	75 to 1 00
Sweet Peas	75 to 1 00
Romans	2 00 to 3 00
Asparagus , bunch.....	2 00 to 3 00
“ strings, 60c to 75c ea.	
“ Sprenger.....	2 00 to 3 00
Smilax	1 50
Mexican Ivy	75
Galax , bronze and green	
per 1000, \$1 25	
Leucothoe Sprays	25
Boxwood , per bunch.....	25
Ferns , per 1000.....	\$2 50

Peter Reinberg

30 East Randolph Street

L. D. Phone, Central 2846

CHICAGO

Mention the American Florist when writing

“The Busiest House in Chicago.”

—Everyday Offerings—

Fancy Single and Double Violets,
Valley, Orchids, Sweet Peas,
Tulips, Romans, Jonquils, Free-
sias, Roses and Carnations.
Also plenty of Greens of all kinds.

QUANTITY

QUALITY

J. B. DEAMUD CO.

Phones Central 3155. 160 N. Wabash Av., CHICAGO
Auto. 44-389.

YOU CAN DEPEND UPON US

at all times to supply you with all the best stock obtainable, so let us have your standing order now. At present we are offering in quantity choice **Valley, Tulips, Jonquils, Daffodils, Freesias, Sweet Peas, Romans, Lilies, Callas, Orchids, Roses, Carnations** and all other seasonable flowers and greens.

A. L. VAUGHAN & CO.

161 N. Wabash Ave.,

(NOT INC.)

L. D. Phone:
Central 2761

CHICAGO

Harry C. Rowe adjusted affairs with his creditors on a basis of 33 1-3 per cent, 20 per cent cash, balance notes. Frank Evenden is no longer in the business.

J. J. Karins, representing Henry H. Dreer, Philadelphia, Pa., has just returned from the coast.

H. E. Philpott, of Winnipeg, Can., left New York for England this week.

VISITORS: Wm. Dykes, representing Ed. Jansen, New York; George Kranz, Muscatine, Ia.; Chart Sanders, St. Louis, Mo.

Chicago Florists' Club.

The regular meeting of the Chicago Florists' club was held at the Union Restaurant February 6, President French in the chair. Harry Balsley, Detroit, Mich., and Benjamin Kappel, 1735 Jackson boulevard, were elected members, and John Tiplady, Lake Forest, and Geo. Ball, Glen Ellyn, were proposed for membership. E. F. Winterson, Jr., chairman of the sports committee, in a brief report, indicated that the bowlers would be active shortly and that plans were under way for contests with out-of-town teams. The other members of this committee are Frank Ayres, E. A. Ollinger, Fred Kraus and Frank Potocka.

Chairman Deamud of the transportation committee and President French handed in some railroad documents relating to the convention trip next August and these were duly presented by the secretary. Mr. Deamud also announced that the Chicago delegation to the annual meeting and exhibition of the Illinois State Florists' Association, to be held at Peoria March 4-5 will travel on the Rock Island railroad, train leaving the La Salle street station at 9:10 a. m. and arriving at 1:25 p. m., March 4.

Chairman T. E. Waters of the good-of-the-club committee, read a communication from Samuel Seligman on publicity and discussed the subject at length.

President Farquhar of the Society of American Florists, it was announced, will address the club at the next meeting, March 6.

Chicago Bowling.

Team Standings.			
Roses	Won.	Lost.	
Orchids	26	22	
Violets	25	23	
Cole	122	118	141
Jacobs	181	149	177
Wolf	166	169	209
Johnson	131	167	183
J. Huebner	135	147	179
Totals	735	750	889
Carnations.			
Lorman	155	152	172
Lieberman	139	135	184
Armstrong	119	144	130
Ayers	141	100	138
A. Zech	163	168	159
Totals	723	849	783
Orchids.			
Krause	148	161	160
Graff	216	173	148
Brostrom	157	140	176
Econp'lis	184	189	153
J. Zech	153	167	185
Totals	858	830	822
Roses.			
Goerisch	132	159	149
Koehler	147	142	102
Schleiden	165	141	144
Byers	172	181	141
Fischer	211	177	168
Totals	827	800	704

Milwaukee.

ROSES VERY SCARCE.

The market conditions remain practically unchanged with plenty of all kinds of stock with the exception of roses. American Beauty roses of good quality are exceptionally scarce. Carnations are arriving in large quantities, as are violets, sweet peas, daffodils, narcissi and tulips. There is plenty of lily of the valley to supply the demand but a shortage of Harriisi lilies. Plenty of green goods to fill all orders.

CLUB MEETING.

The Florists' Club met February 6. This being carnation night, the meeting was largely attended by members, local visitors and people from out of town as well. Among the prize winners were Nic Zweifel, the C. C. Pollworth Co., and the Mueller Greenhouse Co. Honorable mention was awarded the E. G. Hill Co., Richmond, Ind., for carnation Commodore; Chicago Carnation Co., Chicago, for The Herald; and the C. C. Pollworth Co., this city, for three white seedlings. The judges were: J. E. Matthewson, Sheboygan, Wis., and A. T. Pyfer, Chicago. Edw. Ollinger, Chicago, acted as secretary to the judges. At the meeting President Leidiger appointed Messrs. C. C. Pollworth, C. Dalwig and Gust. Rusch to draw up resolutions of condolence to be forwarded to the family of the late Fred Schmeling. The out-of-town guests attending the meeting included Otto Sylvester and son Alfred, and — Kuehne, Oconomowoc, Wis., and P. L. McKee, representing the John C. Moninger Co., Chicago.

NOTES.

P. L. McKee, representing the John C. Moninger Co., Chicago, spent several days in Milwaukee last week. This concern contemplates putting in materials for several new greenhouses to be built this spring.

Gust. Rusch & Co. report business good, but have the same complaint that all others have on the rose proposition. This firm is receiving some exceptionally fine carnations, also bulb stock.

The C. C. Pollworth Co. reports business good. This firm is cutting some fine daffodils, narcissi, hyacinths and tulips and also an exceptionally fine cut of carnations.

The Holton & Hunkel Co. reports shipping trade good with plenty of all kinds of stock to fill orders with the exception of roses.

Currie Bros. say business is brisk with plenty of funeral work.

Manke Bros. made a business trip to Chicago Wednesday in the interests of their greenhouses.

Edw. Ollinger, Chicago, made a business trip to Milwaukee on Thursday.

BASKETS



NEWLY imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.

713-717 Milwaukee Ave., CHICAGO

BOWLING SCORES.

A. Hare	155	138	196
G. Pohl	136	181	193
W. Schmitz	124	131	166
W. Halliday	163	169	132
G. Kellner	154	185	212
W. Schimmels	133	124	142

G. R.

WAYNESBORO, PA.—Henry Eichholz says the fire last November, burning his greenhouses, has put him out of business for the time being.

CAMDEN, N. J.—Chas. F. Wonderlin, a local florist, has been sued for \$5,000 by Walter Beck, who claims the florist hit him on the head with a flower pot. It is said that the plaintiff and another man became noisy and the alleged assault followed their refusal to leave the place on Mr. Wonderlin's order.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone 176 N. Michigan Ave.
Randolph 5449

Chicago

Large Supply of SINGLE **VIOLETS** DOUBLE

—AND—

Carnations

Also Fancy Sweet Peas,
Tulips, Jonquils, Roses,
Carnations and All Other
Seasonable Cut Flowers

PUSSY WILLOWS, 50c per Bunch.

Current Price List.

Subject to change without notice.

	Grade	A	B	C	D	E
American Beauties.....	per dozen	\$ 6.00	\$ 5.00	\$ 4.00	\$3.00	.....
Killarney	per 100	12.00	10.00	8.00	6.00	5.00
White Killarney	per 100	12.00	10.00	8.00	6.00	5.00
My Maryland	per 100	12.00	10.00	8.00	6.00	5.00
Richmonds	per 100	12.00	10.00	8.00	6.00	5.00
Mrs. Aaron Ward	per 100	12.00	10.00	8.00	6.00	5.00
Sunburst	per 100	12.00	10.00	8.00	6.00	5.00
Carnations	per 100	4.00	3.00	2.00	1.50	.....
Callas	per 100	20.00	15.00	.....	.....	.....
Lily of the Valley	per 100	4.00	3.00	.....	.....	.....
Violets, Extra fine single.....	per 100	1.50	1.00	.....	.....	.....
Double	per 100	1.50	1.00	.....	.....	.....
Sweet Peas	per 100	1.50	1.00	.....	.....	.....
Romans	per 100	4.00	3.00	.....	.....	.....
Paper White Narcissus	per 100	3.00	2.00	.....	.....	.....
Jonquils	per 100	4.00	3.00	.....	.....	.....
Tulips	per 100	4.00	3.00	2.00	.....	.....
Easter Lilies	per 100	15.00	12.50	.....	.....	.....
Daisies	per 100	1.50	1.00	.....	.....	.....
Asparagus Plumosus Sprays..	per 100	4.00	3.00	2.00	.....	.....
Asparagus Sprengeri Sprays..	per 100	3.00	2.00	.....	.....	.....
Mexican Ivy	per 100	.60	.....	.....	.....	.....
Smilax	per 100	16.00	12.50	.....	.....	.....
Galax, Green and Bronze.....	per 100	1.00	.....	.....	.....	.....
Ferns	per 100	2.00	.....	.....	.....	.....
Boxwood	bunch	.25	.....	.....	.....	.....
Adiantum	per 100	1.00	.75	.....	.....	.....

St. Louis.

STOCK IS SCARCE.

The weather the past week was clear and cold. Lent is on but has not affected the market to any extent. This is owing to the scarcity of stock. Roses are especially scarce and carnations with the exception of splits are bringing good prices. Weather conditions have affected the sale of violets as the public will not wear them when there is freezing weather. Jonquils are plentiful. There is a good supply of lilies. Smilax and all greens are selling well. Some fine sweet peas are in and are selling well.

NOTES.

W. T. Thies, Jr., of St. Louis County, a landscape gardener, was poisoned by eating wild parsnips. They were transplanting trees when the parsnips were found and eaten.

Robt. J. Windler's store is always very attractive. He is well supplied with the finest the market can produce. His store is patronized by the best people on the South Side.

C. C. May of Webster Grove is bringing to this market some extra fine sweet peas and some fine carnations. He has three houses. He expects to enlarge in the fall.

Ostertag Bros. have decorated their show windows beautifully with a fine St. Valentine decoration. This firm is up-to-date with the necessary materials for all occasions.

The Windler Wholesale Floral Co. is receiving a fine supply of sweet peas. The firm's carnations are good, especially their keeping qualities.

The W. C. Smith Wholesale Floral Co. unloaded an immense supply of violets last Saturday when the weather warmed up.

Alex Siegel had good sales on carnations and violets last Saturday. He does a profitable business.

Julius Schaffer is doing a good trade. He has a fine supply of blooming plants.

Geo. H. Angermueller received some extra fine pink roses, also some fine orchids.

V. J. Gorly is back from the East, where he had been for the past two weeks.

The Riessen Floral Co. had a fine display of all varieties of flowers.

Mrs. Chas. Schoenle's new store will be on a very busy thoroughfare.

Henry Darenburgh is no longer in the employ of Grimm & Gorly.

Andrew Meyer, Jr., is doing a very nice trade.

Oscar Hessormann was on the jury last week.

W. F.

Nashville, Tenn.

TRADE QUIET.

Trade has been very quiet for the past week and flowers have been scarce, roses particularly being short in crop. There has been much funeral work and a fine sale on pot plants. Just now there is a fine stock of pot plants on the market. The stock for Easter is in fine shape. Easter lilies will be plentiful and the roses and carnations will come in again just right. All are looking forward to a good trade Valentine day. There will be lots of violets, and the pot plants now on hand will meet all demands.

NOTES.

Geny Bros. will also have an abundant supply of violets and these with lily of the valley and Roman hyacinths will meet the popular demand.

McIntyre Bros. are also strong on violets and will cut many thousand for the Valentine call.

The Joy Floral Co. expects to cut 20,000 violets for Valentine day.

M. C. D.

PERCY

Wholesalers of

CUT FLOWERS and FLORISTS' SUPPLIES

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

Boston.

BUSINESS QUIET.

With the coming of Lent business has been somewhat quiet. The market is druggery. The staple flowers feel the effects of the bulbous stock being piled up in the market. Rose crops are still off, which helps that commodity. Carnations are at the low point again. There are some fine flowers on the market, but there is not much disposition to buy in lots. Some sweet peas we saw are such in name only. Stems about three inches long. It must make the grower feel proud to send such stuff into the market, and angry when he gets back his tags.

MAC.

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street

L. D. Phone, Randolph 6578

CHICAGO, ILL.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids, Violets and Other Seasonable Stock.

Long Distance Phone
Central 3598.

Indianapolis.

BUSINESS ONLY FAIR.

Business in the first week of February was but fair. The supply of carnations is ample, but the scarcity of roses is very keenly felt and prices continue high. Violets are plentiful and cheap, and with the exception of a few home grown ones mostly unsatisfactory. Good sweet peas are scarce. The best seen in this market at the present moment are grown by Alfred Petit, the originator of a strain of winter blooming sweet peas that are in a class by themselves. Easter lilies as well as Calla lilies are short and the quality of those received are not of the best.

FLORISTS' ASSOCIATION MEETING.

The Indiana State Florists' Association held its February meeting at Lafayette February 4, following an invitation of F. Dorner & Sons Co. to visit their establishment. As was expected the meeting was interesting and well attended. The visitors spent considerable time in examining and admiring the Dorner greenhouses and their contents. It is needless to say that everything was in good condition and fully up to the Dorner standard. The novelties and seedlings were the center of attraction. Next to this the propagating benches containing some 200,000 cuttings received a large share of the visitors' attention. President W. W. Coles of the Association is very much elated over the well attended meeting and the continued increase of membership.

NOTES.

W. W. Coles', Kokomo, lucky number is 13. Reading the announcement of the thirteenth annual poultry show he selected 13 of his best Wyandottes, which captured the blue ribbon in their class. Will Roepke of Riemann & Roepke at this same show captured first prize on Indian runner ducks.

George Wiegand, with rare forethought, returned from Florida just in time to enjoy the first real cold wave we have had this winter, and his brother Homer with equal forethought departed in time for the sunny south to escape the aforesaid cold wave.

A. W. Brandt is very well satisfied with his first week's business in his new store which is very prominently located in one of our most up-to-date buildings. Mr. Brandt has spared neither pains nor money in making his store attractive.

H. J.

Cleveland.

STOCK OF GOOD QUALITY.

We have had a solid week of cold weather, which had a tendency to shorten up the crop to a certain extent, but there is still an abundance of everything in cut flowers, except roses,

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers at Lowest Market Prices. 30 E. Randolph St., CHICAGO

Eldridge Floral Co.

518 Nicollet Ave., MINNEAPOLIS, MINN.

We want growers to supply us with Roses, Carnations and Violets

and these fall far short of the demand, particularly in the short and medium grades. The variety of stock, however, leaves nothing much to be desired, as the quality is good. The following are a few of the different kinds of flowers now on the local market from which the retailer can pick, to be used either for cut flower orders or funeral work: Lily of the valley, orchids, violets, pansies, sweet peas, baby primroses, freesias, calendulas, mignonette, Easter and calla lilies, tulips (all colors) Roman hyacinths, Paper White narcissi, daffodils, carnations, roses, etc. Greens of all kinds are plentiful. Most growers report a fine variety of plants will be in for Easter. Violet orders for St. Valentine's day forecast a good trade in that flower.

NOTES.

The funeral of S. Homer Everett, one of Cleveland's most prominent and wealthy sons, was the cause of a big demand for flowers of the better class of stock, such as orchids, valley, violets and Easter lilies, and the orders were well distributed to the different florists.

Burglars or rowdies broke several lights in the greenhous of F. Witt-huhn, Saturday evening, but were frightened away by Carl Witthuhn before anything was taken.

Mrs. Ben Hart is on the sick list.

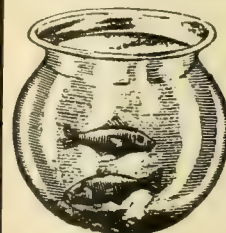
A good attendance marked the opening game of the Bowling League at the Cleveland Florists' Club. Following is the score:

Freesias.				
Lars Anderson	91	101	134	
H. P. Knable	148	157	162	
R. J. Hughes	119	153	126	
Chas. Russell, Capt.	147	125	153	
Herb Bates	184	146	102	
	689	682	677	Total 2048
Tulips.				
Al. Lingruen	155	141	151	
John Blechschind	123	111	126	
Geo. W. Smith, Capt.	150	119	189	
R. Wescho	156	102	152	
C. Graham	179	117	160	
	763	590	778	Total 2131

Next game February 24. Hyacinths vs. Daffodils.

C. F. B.

GOLDFISH



"Something Alive in the Window"

Catches the public eye.

Order your supply now.
\$3.00 per 100 and up.

Write for catalog

AUBURNDALE GOLDFISH CO.

920 W. Randolph Street,

CHICAGO

SEND TEN CENTS

FOR A SAMPLE OF THE

Ever-Ready Flower-Pot Cover.



Strong cardboard foundation. Best waterproof crepe paper, silk fibre ribbon-ties at top and bottom. Firmly held with improved metal fastenings. Furnished in four colors and made in many sizes. An Ever-Ready Flower Pot Cover around the old clay pot will increase the value of the plant considerably and add to your profits. Send 10c for a sample today.

Manufactured by the

EVER-READY FLOWER-POT COVER CO.

WM. H. GREVER, Manager

146 Hughes Avenue

BUFFALO, N. Y.

WIETOR BROS.

Wholesale **CUT FLOWERS**
Growers of

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House
 88 E. Randolph Street, Phone Central 1496. CHICAGO
Everything in Cut Flowers and Supplies.

BOXWOOD

Extra Fine, \$7.50 per case.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS
 163-165 N. WABASH AVE. CHICAGO
 L. D. Phone Central 466

H. Wittbold

Wholesale Florists and
 Decorating Specialists.

Headquarters for

**Mexican Ivy,
 Wild Smilax**

and General Supplies.

OUR PRICES WILL SURPRISE YOU.

56 E. Randolph St., Chicago

Phones { Randolph 4708—Office.
 { Rogers Park 227—Nursery.

Mention the American Florist when writing

HOERDER BROS.

Wholesale Growers of **Cut Flowers**

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
 Our Specialties.

Mention the American Florist when writing

Chicago Carnation Co.

Wholesale Florists,

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

Mention the American Florist when writing

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
 and CARNATIONS
 A Specialty.....

WHOLESALE
 Grower of

CUT FLOWERS

E. C. AMLING CO.

THE LARGEST,
 BEST EQUIPPED,
 MOST CENTRALLY LOCATED
 WHOLESALE
 CUT FLOWER HOUSE
 IN CHICAGO.

68-70 E. RANDOLPH STREET
 CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Feb. 12.		Per doz.
Roses, Beauty, specials.....		\$5 00
.. .. 36-in.....		4 00
.. .. 30-in.....		3 00
.. .. 28-in.....		2 50
.. .. 15-20-in.....	1 50@	2 00
.. .. 12-in.....		1 00
.. .. Short.....	\$6 00@	10 00
.. Killarney.....	4 00@	15 00
.. White Killarney	4 00@	15 00
.. Richmond.....	4 00@	15 00
.. Prince de Bulgarie.....	4 00@	15 00
.. Radiance.....	4 00@	15 00
.. My Maryland.....	4 00@	15 00
.. Melody.....	4 00@	15 00
.. Mrs. Jardine.....	4 00@	12 00
.. Lady Hillingdon.....	4 00@	15 00
.. Sunburst.....	4 00@	15 00
Carnations.....	1 00@	3 00
Cattleyas.....per doz., 4 00@		6 00
Gardenias.....	3 00@	4 00
Jonquils.....	3 00@	4 00
Lilium Harrisii.....	12 50@	15 00
Narcissus, Paper White.....	3 00@	4 00
Orchids, Dendrobium, per doz., 5 00		
Romans.....	3 00@	4 00
Tulips.....	3 00@	4 00
Stevia.....	1 50@	2 00
Violets.....	50@	1 00
Valley.....	3 00@	4 00
Sweet Peas.....	75@	1 50
Adiantum Croweanum.....		1 00
Boxwood.....per lb.,	25	
Ferns.....per 1000, 2 00@		2 50
Galax.....	1 25	
Leucothoe.....		75
Mexican Ivy.....per 1000, 5 00@		60
Plumous Strings.....each, 50@		60
Smilax.....per doz., 1 50@		2 00
Sprenger, Plumous Sprays.....	3 00@	4 00

ROSES

White and Pink Killarney and Richmond
 Roses. Red, White and Pink Carna-
 tions. Callas, Sweet Peas, and
 Greens of all kinds.

W. E. Trimble Greenhouse Co.
 Princeton, Ill.

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
 Killarney and White Killarney roses. All
 orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
 Florists' Supplies

Write for Our New Catalog

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing



C.C. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

Cycas Leaves!

100 choice cycas, sizes 20 in. to 40-in. for \$6.25. Other supplies at equally low prices. Write for list.

GEO. H. ANGERMUELLER

Wholesale Florist
1324 Pine St., St. Louis, Mo.

Mention the American Florist when writing

Philadelphia.

TRADE VERY DULL.

The first week of the Lenten season has been dull. There is no great quantity of flowers, as even the light demand appears about sufficient for the supply, and prices have not broken to any extent. American Beauty roses are a shade more plentiful but the specials are still quoted at from 60 to 75 cents. Killarneys are becoming more plentiful. The color is also improving. My Maryland is seen in good shape. The growers appear to have this variety in hand and fair crops in mid-winter are the result. Richmond roses are picking up and can soon be had in any quantity. The new yellows sell up clean. There will no doubt be a large increase in the planting of these varieties for next season's forcing. Carnations appear to keep moving at fair prices for good stock and job lot figures for the seconds and culls. Good freesia sells well, as do sweet peas. Some very choice stock is seen. The first of the Easter lily crop is in and from now on there will be lilies galore. Callas are in good demand. Cattleya orchids are ahead of the demand and prices rule low. Gardenias were never finer and bring fair prices. Violets are about normal.

NOTES.

One of the features at the Leo Niessen Co. establishment is their snapdragons. In spite of the dull market they have advanced in price and are in demand. A Niessen idea is a carnation tag. This is about 2½ inches long by one inch wide with a number in red ink. Above the number is printed: "To refer to these carnations retain tag and state variety." These tags are sent out in quantity to their carnation growers, who are expected to attach one to each bunch of carnations, the numbers thus identifying the grower. Mr. Niessen says it has helped considerably, the stock now being put up more carefully and the dealers ask for the number of the grower whose flowers are found to be in good condition.

Edw. Reid keeps well to the front with his special carnations. The stock is fine. He is proud of the work of his essay committee, Wallace R. Pierson's paper in answer to his request bringing out the banner attendance at the Florists' Club meeting.

Spring flowers are the leading card at Berger Bros.' central market. Good Richmond roses are also a specialty.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Feb. 12.		Per 100
Roses, Beauty, extra.....	50 00@60 00	
first.....	20 00@35 00	
Brides and Maids.....	6 00@12 00	
Killarney.....	6 00@15 00	
White Killarney.....	6 00@15 00	
Liberty.....	6 00@15 00	
Carnations.....	3 00@5 00	
Cattleyas.....	35 00@50 00	
Daffodils.....	2 50@3 00	
Freesias.....	3 00@6 00	
Gardenias..... per doz.,	1 50@3 00	
Lilium Harrisii.....	10 00@12 00	
Lily of the Valley.....	3 00@5 00	
Calla Lilies.....	12 50@16 00	
Marguerites.....	1 50@3 00	
Snapdragons.....	15 00@25 00	
Sweet Peas.....	75@1 50	
Violets, single.....	75@1 00	
double.....	75@1 00	
Adiantum.....	75@1 00	
Asparagus..... per bunch,	50	
Tulips.....	2 00@4 00	
PITTSBURG, Feb. 12.		Per 100
Roses, Beauty, special.....	50 00	
extra.....	30 00	
No. 1.....	15 00	
Killarney.....	3 00@8 00	
My Maryland.....	3 00@8 00	
Richmond.....	3 00@8 00	
Carnations.....	3 00	
Calla Lilies.....	12 00	
Freesias.....	3 00	
Gardenias.....	3 00	
Daisies.....	2 00	
Cattleyas.....	50 00	
Violets.....	50@75	
Sweet Peas.....	75@1 00	
Lilium Longiflorum.....	12 00	
Lilium Rubrum.....	8 00	
Lily of the Valley.....	4 00	
Daffodils.....	4 00	
Tulips.....	4 00	
Paper White.....	3 00	
Romans.....	2 00	
Baby Primroses.....	50	
Oncidiums.....	4 00	
Adiantum.....	1 25	
Lilac..... per bunch,	\$1 25	
Asparagus Sprengeri, per bunch,	35@40	
Sprays..... per bunch,	35@40	
MILWAUKEE, Feb. 12.		Per 100
Roses, Beauty, per doz.,	2 00@5 00	
White and Pink Killarney.....	6 00@12 00	
Richmond.....	6 00@12 00	
Carnations..... per doz.,	1 50@3 00	
Callas.....	1 50@2 00	
Lilium Giganteum..... per doz.,	1 50@2 00	
Lily of the Valley.....	3 00@4 00	
Sweet Peas.....	1 00@1 50	
Tulips.....	2 00@3 00	
Trumpet.....	3 00@4 00	
Paper White.....	2 00@3 00	
Violets, Wisconsin grown.....	75@1 00	
Adiantum.....	1 50	
Asparagus..... per string,	50	
Sprengeri, per bunch,	35	
Boxwood..... per bunch,	25	
Ferns, common.....	2 00	
Galax..... per 1000,	\$1 50	

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.

1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

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WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., Both L. D. Phones. ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

Per 1000
Dagger Ferns, \$1.50
Fancy Ferns, 2.00

THE LEO NIESSEN CO.,

Wholesale Florists,
 N. W. Cor. 12th and Race Sts.,

Philadelphia, Pa.

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
 Lickrun, Cincinnati, Ohio

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
 Pittsburg, Pa.

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

R. Brunswick is in charge of the advertising department of the M. Rice Co. Under his direction this progressive house is establishing a mail order department which will supervise the filling and shipping of all mail orders. This department will hustle orders out the day received, thus greatly expediting business for customers who have immediate use for the goods.

Robert Crawford is soon to have a new automobile on the street. He was the first to experiment in this line some years ago, running an electric. At that time they were largely experimental and the result was far from satisfactory, and the car was turned into a horse propelled wagon. With a car of the latest design he will have a fine delivery conveyance.

George Uber won his case against the Yokohama Nursery Co., New York, or rather the company lost its case, in trying to collect their bill for lilies which were not true to name, according to Mr. Uber. They agreed, it is said, that for an extra price they would guarantee this variety true to name and here is where they lost out.

K.

Westchester and Fairfield Hort. Society.

The Westchester and Fairfield Horticultural Society will hold its first annual supper February 18, at the Germania hall, New Rochelle, N. Y. The supper will be preceded by bowling by the members in the afternoon and some close contests are expected. The society desires a good attendance, as it is hoped that this will be one of the big events in its history.

OWEN A. HUNWICK, Sec'y.

SHEBOYGAN, WIS.—J. E. Matthewson attended a meeting of the Milwaukee Florists' Club at Milwaukee on February 6, returning home the following day. Mr. Matthewson has a range of about 40,000 square feet of glass and from present indications will have a fine lot of blooming plants for Easter.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, Feb. 12.		
Roses, Beauty, special.....	per doz.,	\$6 00
" " fancy.....	" "	5 00
" " extra.....	" "	4 00
" " No. 1.....	" "	3 00
" " No. 2.....	" "	1 00
Per 100		
" Maid and Bride.....	5 00@	8 00
" Pink Killarney.....	5 00@	12 00
" White Killarney.....	5 00@	12 00
" Richmond.....	5 00@	12 00
" My Maryland.....	5 00@	12 00
" Aaron Ward.....	6 00@	10 00
Carnations.....	00 @	2 00
Lilium Longiflorum.....	10 00@	12 00
Lily of the Valley.....	3 00@	4 00
Pink Japan Lily.....	3 00@	5 00
Narcissus.....	2 00@	3 00
Jonquils.....	2 00@	3 00
Stevia.....		1 00
Violets.....	60@	75
Mignonette.....	3 00@	6 00
Daisies.....	1 00@	1 50
Adiantum Croweanum.....	75@	1 50
Asparagus, per bunch.....	35@	50
Asparagus, Sprenger.....	35@	50
Ferns.....	per 1000,	\$2 00
Galax.....	per 1000,	\$1 50
Smilax.....		15 00

BOSTON, Feb. 12.		
Roses, Beauty, best.....	35 00@	50 00
" " medium.....	18 00@	25 00
" " culls.....		4 00
" White and Pink Killarney.....	2 00@	6 00
" " Extra.....	6 00@	10 00
" Taft.....	4 00@	10 00
" Cardinal.....	2 00@	10 00
" Ward and Hillingdon.....	2 00@	8 00
" Killarney and Richmond.....	2 00@	8 00
" My Maryland.....	2 00@	8 00
Carnations, select.....	1 00@	2 00
Callas.....	8 00@	12 00
Cattleyas.....	25 00@	40 00
Gardenias.....	12 00@	25 00
Lilium Longiflorum.....	8 00@	10 00
Lily of the Valley.....	2 00@	4 00
Sweet Peas.....	50@	75
Smilax.....	12 00@	16 00
Violets, single.....	35@	75
" double.....	25@	50

CINCINNATI, Feb. 12.		
Roses, Beauty.....	per doz.,	\$1 00@35 00
Per 100		
" Bride, Bridesmaid.....	3 00@	8 00
" Killarney.....	3 00@	8 00
" My Maryland.....	3 00@	8 00
" Perle.....	3 00@	8 00
" Richmond.....	3 00@	8 00
" Taft.....	3 00@	8 00
Carnations.....	2 00@	3 00
Callas.....	12 50@	15 00
Lilium Giganteum.....	12 50@	15 00
Lily of the Valley.....	3 00@	4 00
Orchids.....	per doz.,	6 00
Narcissus.....	2 00@	3 00
Tulips.....	2 00@	4 00
Jonquils.....	2 00@	3 00
Roman Hyacinths.....	2 00@	3 00
Violets.....	50@	1 50
" double.....	50@	75
Adiantum.....	75@	1 00
Asparagus Plumosus.....	per bunch,	25
Asparagus Sprenger.....	per bunch,	25
Mexican Ivy.....		75



Give Us a
 Trial
 We Can
 Please You.

Roses, Carnations and all kinds of
 Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
 Commission Florists.
BUFFALO, N. Y.
 Florists' Supplies and Wire Designs.

—THE—
J. M. McCullough's Sons Co.,
 Wholesale Commission Florists.
 —CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

**Jobbers of FLORISTS' SUPPLIES,
 SEEDS and BULBS.**

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO

**Wholesale Commission Florist
 Consignments Solicited**

Complete Stock of Florists' Greens and Supplies

St. Louis, Feb. 12.		
Roses, Beauty, long.....	per doz.,	4 00
Roses, Beauty, medium.....	8 00@	15 00
Roses, Beauty, short stems.....	3 00@	6 00
" Killarney.....	5 00@	10 00
" My Maryland.....	5 00@	10 00
" White Killarney.....	5 00@	10 00
Carnations.....	2 00@	2 50
Easter Lilies.....	10 00@	12 50
Lilium Rubrum.....		8 00
Valley.....		4 00
Violets.....	35@	50
Asparagus Sprenger.....	2 00@	3 00
Asparagus Plumosus, per bu.,	35@	60
Ferns, New, Fancy.....		1 75

New York.

COLD WEATHER REDUCES SUPPLY.

A touch of real winter, which we have experienced for the past week, has somewhat reduced the supply of cut flowers; nevertheless, there are enough to go around. The beginning of Lent always marks a falling off in the demand and this year shows no exception to the general rule. While American Beauty roses are not plentiful the demand is light and prices have dropped below the \$1.00 mark. There is an abundant supply of tea roses, but prices on good stock are all that could be expected at this season. In every other stock, it may be said that there is an abundant supply. In yellow narcissus, tulips and freesias, there seems to be almost a surplus, but it keeps moving, to the disadvantage, to some extent, of carnations and sweet peas. In sweet peas there is now good stock on the market.

Monday, February 10.—The cold wave is growing worse, the temperature being near the zero mark early this morning. Notwithstanding the sudden drop in temperature, the supply of cut flowers keeps up well, particularly in carnations, sweet peas and bulbous stock.

NOTES.

Henry Blume, for many years manager and buyer for V. F. Lichtenhan, who had the flower concession in the Grand Central Station, has gone into the retail business for himself at 182 East One Hundred and Sixteenth street. He is an experienced man and a clever buyer, and we wish him abundant success. Mr. Lichtenhan has retired from the cut-flower business and, it is understood, will hereafter devote his energies to farming.

A bill is now before the state legislature at Albany, the aim of which is to put all commission men under bond. After careful investigation we believe that this bill was drawn to catch the dealers in foodstuffs. Nevertheless, it seems to cover the wholesale florists, and we think it an injustice. It is up to the supporters of Gov. Sulzer to enter an emphatic protest.

John Tryforos, of Tryforos Brothers, well known retailers of One Hundred and Twenty-fifth street, recently returned to Greece to join the army. John was well known and popular among both wholesalers and retailers and it is hoped that he will escape Turkish bullets and soon return to New York.

Charles Zvolanek of Bound Brook, N. J., is now bringing to the Cut Flower Exchange a most excellent quality of the Spencer type of sweet peas. His father, Anton Zvolanek, is now in California looking after his seed farm but is expected here in time for the International Flower Show.

William Kessler, the plantsman of 113 West Twenty-eighth street, is now handling very fine stock in all the staple varieties of plants. Particularly noteworthy are his cinerarias, in the demand for which there seems to be a revival and they are worthy of the attention of plant lovers.

W. L. Trumper, for many years manager and buyer for J. H. Small & Sons, and who recently underwent an operation in the French Hospital, is reported to be doing well. He is a familiar figure in the wholesale district and it is hoped that he will soon again be restored to health.

A Chatham, N. J., grower who called last week was David Falconer, who ships an excellent quality of roses to J. K. Allen. Mr. Falconer is a fine man and a fine grower and the only fault we can find with him is that he persists in spelling his name in an old-fashioned way.

J. G. Panos, who for a number of years has conducted a fine retail store at Fifth avenue and One Hundred and Twenty-fifth street, has now another

store at 188 East One Hundred and Twenty-fifth street, he having taken the business formerly known as the Cable Florist.

The "Four Buffs" Association, composed largely of the younger men in the trade, enjoyed a beefsteak dinner at their club room, 162 West Twenty-ninth street on the night of February 11. Prominent in this organization are Nicholas Schreiner and Chas. Matthews.

G. F. Neipp of the Floral Hill Gardens, Chatham, N. J., drops in occasionally to look over the market. His cut of fine carnations is handled by A. H. Langjhar, the well known Twenty-eighth street wholesaler.

Calling recently on Wm. P. Sears, 729 Sixth avenue, we found him very busy. He has recently added Wm. Hanft, a well-known designer and decorator, to his force.

The partnership reported in last week's notes between A. J. Guttman and A. Moltz was not consummated. Mr. Guttman continues to conduct the business.

S. S. Pennock, of the Pennock-Meehan Co., Philadelphia, Pa., Washington, D. C., and New York, made a flying visit to their store in this city, February 5.

The Horticultural Co. is now doing a good business in its new store. This firm has gone quite extensively into seeds but does not neglect to feature fine plants.

Joseph Millang, of the New York Cut Flower Co., who is in Europe, has been heard from and is enjoying his trip. He will return before Easter.

Our Greek friends are making elaborate preparations for the ball of the Greek-American Association, which takes place February 20.

George M. Stumpp is not enjoying very good health, but says he does not want to go away during the busy season.

At Walter F. Sheridan's a very fine stock of the carnation, Improved Enchantress is seen.

Wm. P. Ford is handling a fine line of the variegated carnation Rainbow.

Henry M. Robinson of Boston spent several days here last week.

It is hoped that St. Valentine's day may improve business. A. F. F.

New York Florists' Club.

The monthly meeting of the New York Florists' Club was held in the club rooms in the Grand Opera House building on the night of February 10. President Siebrecht in the chair. There was a very large attendance and the new president seems to have struck a popular chord. There was considerable discussion relating to the entertainment of guests at the International Flower Show, in which such veterans as Patrick O'Mara, Frank Traendly, Robert Simpson, W. E. Marshall, Chas. J. Totty and Chas. Weathered participated. It was finally decided to leave the whole matter to the committee in charge of the arrangements. The annual dinner of the club will be held at the time of the exhibition; members of the club to pay for their tickets.

The following new members were elected: Chas. F. Meyer, 99 Warren Street, New York; H. B. McKnight, 34 Leo Place, Newark, N. J.; H. C. Harris, Long Island City, N. Y.; W. B. Leach, Long Island City, N. Y.; John J. Coulters, 110 West Twenty-eighth street, New York; James Dean, Long Island City, N. Y.; David Fuerstenburg, Philadelphia, Pa.; Peter Jacobson, Astoria, L. I., N. Y.; Alex. I. Anderson, Port Washington, N. Y.; D. Irving Deans, Far Rockaway, N. Y.; Chas. Arnold, Astoria, N. Y.; Henry B. Siebrecht, Astoria, N. Y.; Geo. L. Freeman, Fall River, Mass.; Frederick Cowperthwait, Floral Park, N. Y.; Marshall Crissman Mt. Kisco, N. Y.; John Hall, Mt. Kisco, N. Y.; John White, Jr., Elizabeth, N. J.; I. Warwick Smith, Tarrytown, N. Y.

The veteran, H. E. Philpott, of Chicago, Canada and other places, was present at the meeting. He said he was on his way to Europe to bring over a large delegation to the International Flower Show. John C. Bodger, of Los Angeles, Calif., was present and extended a cordial invitation to everybody to come to the Pacific Coast in 1915, to see what Californians can do in the line of an exhibition. President Siebrecht and Secretary Young were appointed to attend the convention at Ithaca, N. Y. One of the pleasing and interesting features of the meeting was the purchase by Charles C. Trepel, a well known retailer of this city and Brooklyn, of 5,000 tickets for the opening night of the International Flower Show, to be distributed to his customers. M. C. Ebel read a very able and interesting paper on "Publicity." He was given a vote of thanks.

A. S. Burns, Spring Valley, N. Y., exhibited the scarlet carnation Electra. James D. Cockcroft, Northport, N. Y., exhibited his pink carnation, Northport. Henry B. McKnight, Newark, N. J., exhibited a cross of Enchantress and White Perfection, a cross of Winsor and Victory and a cross of Beacon and Prosperity. The house committee furnished the usual refreshments.

A. F. F.

Albany, N. Y.

CLUB MEETING.

One of the pleasant features of the February meeting of the Albany Florists' Club was the presentation to the retiring president, Fred A. Danker, of a silver set consisting of a pitcher, tray and gold lined cup. The presentation came as a complete surprise to the recipient and was gracefully performed by Frederick Goldring, who was president of the club before Mr. Danker. The articles were on display after the meeting and were much admired. Louis H. Schaefer entertained the members with an account of his recent trip to Buffalo and Rochester. He told particularly of the way the Buffalo Florists' Club does things and the recital was entirely to the credit of the Buffalo organization. One of the things the Buffalo club does is to feature the use of flowers for special occasions like Thanksgiving, the Christmas holidays, McKinley's birthday and others through display advertisements in the newspapers. The Buffalo florists also make up boxes of specialties which they offer at the end of the week and announce widely. These things create a public interest in and a demand for flowers. The subject led to a discussion in which many of the members took part and the publicity committee of the local club, Fred Goldring, chairman, was instructed to take up the matter in Albany and to start a similar campaign here on the first suitable holiday. The subject of attending the national flower show in New York in April was discussed and action deferred until the March meeting. Harry Latham was elected a member. William M. Quinn, foreman of Beaver Park, who was elected at the January meeting, was introduced to the other members.

Thomas F. Tracey, manager of the Cut Flower Exchange, reports that the weather the past two weeks has been good for the development of carnations and that the growers are shipping them in such quantities that the price has suffered. Some heavy shipments have been received of Enchantress, Pink and White and the improved Enchantress Supreme. The last named has sold readily.

Assemblyman Jackson of Buffalo has introduced a bill to appropriate \$60,000 for a range of greenhouses at the State College of Agriculture at Cornell University, Ithaca, N. Y. The florists of the state are considerably interested in the measure, as the greenhouses would

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.



PERCY B. RIGBY, Treasurer.

Everything in supplies.

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WHOLESALE FLORISTS,

109 West 28th St., NEW YORK.

Phones 608-609 Madison Square.

Lily of the Valley, Gardenias, Orchids, Violets, a Specialty.

be utilized for the solution of many problems that trouble the growers.

R. D.

Rochester, N. Y.

BUSINESS IS FAIR.

The market, the last week has been very fair, although the extremely cold weather the last couple of days has made things a little slow. Stock has been coming in in good shape and in good quantity, except that carnations have been a little scarce. The Lenten season does not appear to be causing the slump that was feared. The trade are all making special efforts for Valentine day and are producing some very pretty novelties.

NOTES.

J. B. Keller's Sons have on show a number of things this week that are somewhat out of the ordinary for the Rochester trade. The center of attraction was a fine large acacia in full bloom. This was recently used at the Haynes-Finnucane wedding. They had quite a display of flowering Japanese cherries and crabapples which were brought down from their greenhouses. They have recently been putting out a new table decoration. It is a square or round shallow glass dish filled with water. On one side is set what appears to be an orchid plant or some spring plant in full bloom, while floating on the water are a couple of blooms and leaves. On the edge of the dish is a little artificial bird or in the water a couple of little gold fish. It makes a very novel, yet an exceedingly pretty and neat dish, if it is not overdone.

George Boucher has had a number of big decoration jobs lately. Among the largest were those for the fireman's ball at the armory, and the auto show at Exposition park. His work at the auto show was especially commendable. He used 360 palms to very good advantage. At the armory his decoration consisted largely of flowering plants, laurel and wild smilax. Besides the extra big jobs he has been having his full share of funeral work. He is expecting soon to start building a new house at Brighton for the growing of sweet peas, etc.

H. E. Wilson's greenhouses are in fine shape for the coming Valentine and Easter trade. For his Valentine trade he is putting out a number of pots of red and white hyacinths and red tulips with white hyacinths. Either one makes very pretty combinations of red and white and, so far, they are promising a very ready sale.

Walter Lickner, a landscape gardener of this city, died recently. He was an enthusiastic worker in the Salvation Army and his body will lie in state at the army barracks.

H. J. Head is expected out of the hospital Thursday. He will then go to stay with friends in the country for two or three weeks.

H. P. Neun has been showing a very fine specimen of wistaria in his window.

Visitors this week were: C. B. Coe of the D. M. Ferry Co., Detroit, Mich., and E. H. Kipp, who has charge of the greenhouse department of the Burt Olney Canning Co., at Medina and Albion, N. Y.

H. J. H.

Wholesale Flower Markets

NEW YORK, Feb. 12.		Per 100
Roses, Beauty, special.....	60	00@75 00
" " extra and fancy ..	40	00@50 00
" " No. 1 and No. 2....	2	00@15 00
Bride, Bridesmaid special..	5	00@8 00
" " extra and fancy ..	3	00@4 00
" " No. 1 and No. 2....	1	00@3 00
Killarney, My Maryland..		
" " special.....	12	00@15 00
" " extra ..	4	00@6 00
" " No. 1 and No. 2....	6	00@10 00
" " Queen special..	10	00@12 00
" " Red, special.....	10	00@12 00
Hillingdon, Aaron Ward..	12	00@15 00
Richmond.....	6	00@25 00
Sunburst, special.....	6	00@10 00
Taft, special.....	12	00@15 00
Mrs. Geo. Sawyer, special..	15	00@25 00
Carnations.....	1	00@4 00
Jonquils.....	2	00@3 00
Cattleyas.....	25	00@50 00
Gardenias.....	10	00@30 00
Tulips.....	1	00@2 00
Lilies, Longiflorum and Harrisii..	6	00@8 00
L. Rubrum.....		
Lily of the Valley.....	2	00@4 00
Narcissus, Paper White.....	1	00@1 50
Sweet Peas...per doz. bunches..	50	@1 00
Violets.....	25	@40
Adiantum Croweanum.....	15	@50
Asparagus Plumosus...doz. bchs..	1	50@3 00
Smilax.....per doz. strings..	1	00@1 25
Lilac.....per bunch, 50@75c		
Freesias, per doz. bun....	1	50@2 00

Pittsburg.

MARKET OVERLOADED.

Stock is coming in much heavier at this writing, carnations and bulb stock being thrown away to quite an extent. Daffodils and tulips are a drug on the market and can be picked up at the retailer's own prices. Roses are also coming in a little heavier, as are lilies. Violets are shortening up in crop but enough are expected for St. Valentine's day. The weather has turned slightly warmer which is the cause of the unexpected glut. Paper White narcissi are not to be seen very much any more. A few callas are coming in and find good sale. Sweet peas continue to sell as well as ever, and the stock still retains its fine quality. Primroses are also very nice and the demand is also good. Yellow roses have shortened up greatly, and the few that come in do not last very long. The outlook for St. Valentine's day is very good.

NOTES.

Ross E. Adgate, road agent for the McCallum Co., was called home last week from Lancaster to the bedside of his father, who was taken suddenly sick. At the latest writing he has slightly improved, and the hope of the trade is that he will have a speedy recovery.

The Saxonwald Greenhouses of Castle Shannon are sending some extra fine freesia to this market. They are also cutting heavily on fine carnations.

Mrs. A. J. Joyce has opened a new flower stand in the Pittsburgh Market, and seems to be doing well.

I. V. Kinder of Charleroi was in town Monday buying greenhouse supplies.

J.

PUYALLUP, WASH.—The Western Washington Horticultural Association will hold its third annual meeting here February 19-21.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square,

NEW YORK

The Kervan Company
FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist Trade, at Wholesale.

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at 6 o'clock every morning.

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WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

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WHOLESALE PLANTSMEN AND FLORISTS

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Prompt and satisfactory. Consignments solicited.**Paul Meconi**

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Guttman Flower Growers Co.

A. J. GUTTMAN, President.

Wholesale Florists

55 W. 26th St., NEW YORK

Phone 1912 and 7983 Madison Square.

18 Years Experience.

BLOOMINGTON, IND.—Morris, the Florist, reports trade very brisk with lots of decorative and funeral work. Carnations are very plentiful but good roses are hard to get. Other flowers are in good demand.

M. RICE CO.

HEADQUARTERS FOR UP-TO-DATE EASTER SUPPLIES AND RIBBONS.

Write for our Easter Folder

1220 Race Street

PHILADELPHIA, PA.

Try the New Mail Order Department of The House That Never Disappoints.

Cincinnati.

MARKET WELL SUPPLIED.

The market at the present time is well supplied in all lines. The demand is just ordinary. Shipping business continues good. The carnation supply continues very large. All those from the regular consignors are generally of a good quality. Some of the stock dumped in, however, is not all it should be. Many of the carnations are splits or mended splits. The rose market is much easier than it was a week ago. Then all were selling up very nicely. Now, however, there are times when some—and good ones too—are left over. Fortunately during the past week these last that went to waste were very few in numbers. Orders are beginning to come in strong too for lily of the valley, orchids and sweet peas for St. Valentine's day. The sweet peas have been good sellers right along. There is a very large supply of both double and single violets. The latter are particularly fine. The supply of bulbous stock of all kinds is very large. The list includes daffodils, jonquils, tulips, Dutch hyacinths, narcissi and freesia. None are selling any too well and as a result the prices have dropped down to practically the lowest point. The green goods supply is more than adequate for requirements. There is an over-supply of both plumosus and sprengeri but the plumosus moves more slowly.

NOTES.

The Florists' Club held its regular monthly meeting at the club rooms. After a very short business session the quorum present adjourned to the club session. Henry Schwarz and Max Rudolph had an even better sup-alt Heidelberg and there held a supply of new stories on hand than the good ones they always have.

The Cincinnati Cut Flower Exchange expects to do a large business in sweet peas Valentine day. They have made arrangements for an extraordinary supply and most of them are already sold.

The cut flower department of the J. M. McCullough's Sons Co. received some very excellent Dutch hyacinths from Albert McCullough's own place.

Wm. Dittman and daughter of New Castle, Ind., stopped in this city on their way to Jacksonville, Fla., last week.

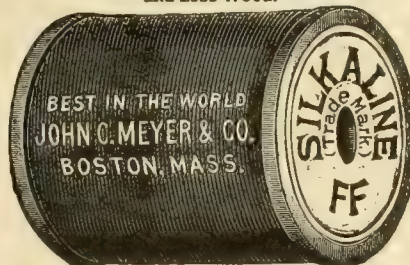
C. E. Critchell has been receiving fine roses, including American Beauties, from the South Park Floral Co.

Visitors: Peter Weiland, New Castle, Ind.; Harry Frank, Portland, Ind.; E. E. Stewart, Rives Junction, Mich.; S. S. Skidelsky, Philadelphia, Pa.; A. Miller, of A. Henderson & Co., Chicago; J. J. Goudy, representing Henry A. Dreer, Inc., Philadelphia, Pa.

New Bedford Horticultural Society.

More than 50 members of the New Bedford Horticultural Society, New Bedford, Mass., attended the society's annual banquet February 6. The dining room was handsomely decorated with flowering plants, ferns and palms, furnished by James Garthly of Fairhaven. Mr. Garthly and David F. Roy also furnished carnations for the guests. The past year has been the most successful in the history of the society and the banquet was all the more enjoyed on that account.

Do Not Take Any Fake Green Thread. Use the Genuine Silkline and Get More Thread and Less Wood.



JOHN C. MEYER & CO.,

Lowell Thread Mills,
1495 Middlesex St.,

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Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50 per 1000 cases \$5.00
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

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Wholesale Commission Florists and Florists' Supplies.

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CUT FERNS, Best Quality

1,000 at \$1.35;
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Robert Groves, 127 Commercial St.
ADAMS, MASS.

SOUTHERN WILD SMILAX

New crop now ready Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

President Frank C. Barrows acted as toastmaster. He reviewed the history of the society and spoke optimistically of the future. It was hoped to have President Farquhar of the S. A. F. on the programme, but Mr. Farquhar found it impossible to be present. Vice-president Roy read a paper on the culture of chrysanthemums. The subject was well handled and the paper was much appreciated. On motion of Geo. H. Reynolds, chairman of the entertainment committee, a vote of thanks was extended to Mr. Garthly and Mr. Roy for the plants and flowers. Wm. Keith told of the early struggles of the society. John P. Rooney and Louis W. Macey gave several well rendered solos and there were other musical numbers on the programme.

NORTH YAKIMA, WASH.—The following were chosen members of the state contest committee of the Washington State Horticultural Association to award prizes to boys and girls raising the best crops of corn, wheat, potatoes, oats and peas: C. B. Kegley, chairman; Prof. W. H. Sparks; Prof. Geo. Severance; Fred W. Lewis; Josephine Preston; P. C. Kaufman; C. E. Flint.

George Cotsonas & Co.

Wholesale and Retail Dealers

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Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



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Natural and Perpetuated Sheet **MOSES**

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IN STANDARD SMILAX CASES, \$2.50

A most pleasing substitute for Green Wild Smilax
New crop Fancy and Dagger Ferns now ready.
Write, wire or phone.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

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Aaron Buchanan

Wholesale Florist

HAWK, N. C.

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Bronze Galax, \$3.50 per case of 10,000; Dagger Ferns, \$3.00 per case of 5,000, cases of 10,000 \$5.50; Log Moss, \$1.00 per 2 bu. bag. Cash with order.

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2 STORES 2

SUPERIOR, WIS.

J. J. LEBORIUS

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A. LANGE,

25 E. MADISON ST.

Chicago.

Des Moines.

ALPHA FLORAL CO.

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623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

February 13.

La Lorraine, French, 10 a. m., Pier 57, North River.

Vulturio, Uranium.

Leydlitz, North Ger. Lloyd, 10 a. m.

FROM ST. JOHN, Letitia, Donaldson.

February 14.

FROM ST. JOHN, Corsican, Allan.

FROM PHILADELPHIA, Menominee, Red Star.

10 a. m.

Rome, Fabre, 3 p. m.

February 15.

FROM HALIFAX, Corsican, Allan.

California, Anchor, 2 p. m., Pier 64, North River.

Chicago, French, 3 p. m., Pier 57, North River.

Philadelphia, American, 9:30 a. m., Pier 62,

North River.

FROM PHILADELPHIA, Haverford, American.

10 a. m.

Philadelphia, White Star, 9:30 a. m.

Verona, Navigazione, Pier 64, North River.

Berlin, North Ger. Lloyd, 11 a. m.

FROM BALTIMORE, Cassel, North Ger. Lloyd.

2 p. m.

Mattope, Norton.

Miguel De Larrinaga, Barber.

Magdalena, Royal Mail.

February 18.

FROM BOSTON, Carpathia, Cunard.

FROM BOSTON, Adriatic, White Star, 12 noon.

Kaiser Wilhelm II, North Ger. Lloyd.

Mayaro, Trinidad.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

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any part of the United States, Canada
and all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
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Reference or Cash must accompany all orders
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All orders will be filled carefully and promptly de-
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We are in the Heart of NEW YORK

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Orders for cut flowers and designs solicited for
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Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Carbone, Philip L., Boston.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Haisch's, Memphis, Tenn.
Heini & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Hoffman, 59 Mass Ave., Boston.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex, New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
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Ostertag Bros., St. Louis.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Parker, John L., Birmingham, Ala.
Pelicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
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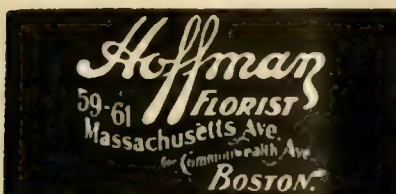
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Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
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Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
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Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
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Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
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Newark, N. J.—Begerow's.
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New York—D. Clark's Sons, 2139 Broadway.
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New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
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Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburg—Mrs. E. A. Williams.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
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St. Paul, Minn.—L. L. May & Co.
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San Francisco—Pellicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
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Toronto, Can.—Dunlop's, 60 Yonge St.
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David Clarke's Sons

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215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

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Flowers or Design Work.

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safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michiga

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heint)

336 Superior St., Toledo, O.

Both Phones. 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West
Jefferson and Washington Ave

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Kansas City.

CARNATIONS FLOODING MARKET.

This city and vicinity have been favored with two months of remarkably mild weather to the last of January, which will be a great help in advancing stock for the early Easter. Reports from several growers are a trifle doubtful as to Giganteum lilies being on time. Many growers stick to their favorite brand whether it be formosum, giganteum or Harrisii, and only grow the one variety. This means win or lose on all. Others, who divide sorts, seem to have blooms from Christmas on and always on hand for Easter. Carnations are flooding the market not only by local growers but many are being shipped from the West, which fact is significant and was never known here before. Much glass has been erected in central and western Kansas and eastern Colorado and the products are put on this market. Reports from five sweet pea growers show heavy losses by buds falling off and each grower has a different reason. These men should get together and compare notes, causes, remedies, etc. Roses are scarce with no prospect for a surplus in the near future. The extremes of summer and winter have been rather unfavorable to many crops. The demand for pans of daffodils, tulips, etc., is good. Carnations are showing more splits than for many years. The beautiful bulb crop now on gives the show windows varied and pleasing effects and is stimulating a good business both in pan stock and cut.

NOTES.

Plans are being prepared for a conservatory in connection with the Westport high school for botanical experiments. This will be the first of its kind in this part of the country.

E. H. Frandsen has added a fine 10-room house and two acres of land to his place. He says the lily prospects are a trifle uncertain if the cold dark weather continues.

The Rosery is showing some fine potted stock. Their 2,000 lilies are in fine shape and will be ready for Easter.

R. C. Peacock, Independence road, is still adding to his new plant and trade is already coming his way.

John Stempel has found the key to the mignonette secret. His product is choice.

Ed. A. Humfeld's place is well filled and is usually "there" when the time comes.

Samuel Murray shows a gorgeous window of bougainvilleas and white lilacs.

K. C. M.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

Louisville, Ky.

F. Walker & Co.,
FLORISTS

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

Mention the American Florist when writing

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838 CANAL ST.

Mention the American Florist when writing

Washington, D. C.

Blackstone

14th and H. Street.

Mention the American Florist when writing

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries
throughout the state and to all steamship docks
in Hoboken, N. J., and New York.

Mention the American Florist when writing

Boston, Mass.

Philip L. Carbone

IMPORTER, FLORIST, AND DECORATOR

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

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Rockford, Ill.

H. W. BUCKBEE.

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"Get them at Dreer's"

TUBEROUS-ROOTED BEGONIAS GLOXINIAS FANCY-LEAVED CALADIUMS

BEGONIAS

Single in Separate Colors. Scarlet, crimson, rose, white, yellow and orange. 40c. per doz., \$2.50 per 100, \$22.50 per 1000.

Single in Choicest Mixture. 35c per doz., \$2.25 per 100, \$20.00 per 1000.

Double in Separate Colors. Scarlet, rose, white and yellow. 60c. per doz., \$4.50 per 100, \$40.00 per 1000.

Double in Choicest Mixture. 50c per doz.; \$4.00 per 100, \$35.00 per 1000.

Frilled in Separate Colors. Scarlet, white, pink and yellow. These are with wavy and frilled petals like some of the newer Petunias. 85c per doz., \$6.00 per 100.

Dwarf Hybrid Lafayette. Brilliant crimson scarlet. \$1.50 per doz., \$10.00 per 100.

Dwarf Hybrid Duke Zeppelin. Pure rich scarlet. \$1.00 per doz., \$7.00 per 100.

CALADIUMS, Fancy-Leaved

The finest collection ever offered, and the most extensive stock in America.

Choice Standard Varieties. \$1.75 per doz., \$12.00 per 100, \$100.00 per 1000.

Choice Rare and New Varieties. \$2.25 per doz., \$15.00 per 100, \$140.00 per 1000.

Recent Introductions. \$3.50 per doz., \$25.00 per 100.

Choicest Mixture. \$1.50 per doz., \$10.00 per 100, \$95.00 per 1000.

GLOXINIAS

Dreer's Superb in Choicest Mixture or in Separate Colors. As blue, red, white, red with white edge and blue with white edge. 60c per doz., \$3.50 per 100, \$30.00 per 1000.

New Emperor. (Hybrida Imperialis) in choicest mixed varieties. 85c. per doz., \$6.00 per 100.

OUR USUAL SUPERIOR STRAIN. YOU CAN
BUY CHEAPER, BUT NOT BETTER STOCK.



HENRY A. DREER, Inc., 714 Chestnut Street, PHILADELPHIA, PA.

THE ABOVE PRICES ARE INTENDED FOR THE TRADE ONLY.

Hydrangeas

Pot Grown for Forcing.

ALL IN 6-INCH POTS

Otaksa, with 5 and 6 branches.....	\$20 00
Otaksa, with 4 branches.....	15 00
Otaksa, with 3 branches.....	12 00
Otaksa, with 2 branches.....	10 00
Thos. Hogg, with 5 and 6 branches	20 00
Souvenir de Claire, with 7 and 10 branches.....	25 00

Now Ready for Delivery

Shall we send by freight or express?

Jackson & Perkins Co.

WHOLESALE ONLY

Florists and Nurserymen

Newark, - New York

Mention the American Florist when writing

Franzen's Seeds Sure to Grow.

Asters, Queen of the Market.....oz.	\$0.50
Ageratum, Blue.....oz.	\$0.60
Snapdragon.....	.75
Alyssum, Little Gem.....	.30
Lobelia, Emperor William, Blue.....	.75
Fancy, Giant Strain.....	1.25
Petunia, Superfine Mixed.....	.75
Phlox, Drummond Mixed.....	.55
Stock, Ten Week Double.....	1.00
Verbena Hybrida, Mixed.....	.55

F. O. FRANZEN, 1476 Summerdale Av., Chicago
Send for trade list.

NEW SINGLE ROSE IRISH FIRE FLAME.

A new departure in Roses for winter forcing. **IRISH FIRE FLAME** is a single rose with only five petals, and is the most striking and the best single rose Messrs. Alex. Dickson & Sons have ever raised. It flowers profusely during the winter months, producing both single flowers and sprays of from three to five buds.

The bud is an intense fiery crimson scarlet at the tip, shading at the base of petals to orange salmon; the open flower is a beautiful bright salmon. It is of strong vigorous growth, with dark green foliage, reverse of leaf deep bronze.

We have tested this rose for two years, and can confidently recommend it as a sterling novelty in Roses.

It has been awarded a Gold Medal by the National Rose Society of Great Britain, and has taken several prizes for table decoration.

Grafted stock, \$35.00 per 100; \$300.00 per 1000.

Own Root, \$30.00 per 100; \$250.00 per 1000.

Grafted plants, March delivery, Own Root in April.

GRAFTED ROSES.

We graft our Roses early on Dicksons' Irish Manetti Stock from firm flowering wood, and the result is strong vigorous plants in March and April.

Budlong's Double White Killarney and Sunburst, \$20 per 100, \$150 per 1000

Killarney, Waban White Killarney, My Maryland, Mrs. Aaron Ward and Lady Hillingdon, \$15.00 per 100; \$120.00 per 1000.

ORDER NOW.

Robt. Scott & Son, Sharon Hill, Del. Co., Pa.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

MANY foreign flower seed growers are late in completing their American orders this season.

F. W. BARTELDES is now hopeful that the proposed Kansas seed law will be kept off the calendar or afterward knocked out altogether in the house.

ELSEWHERE in this issue will be found a paper read by W. W. Tracy, Washington, D. C., before the Massachusetts Horticultural Society, February 8, 1913.

HOLLAND seed growers complain that because of the wet summer their seed crops came in late and it has taken long to dry and clean them, hence late shipments.

THE protest of J. Kissock & Co., New York, who claimed that celery seed imported by them was of the wild variety and not dutiable, has been sustained by the board of general appraisers.

BIRMINGHAM, ALA.—Truckers in this section had a very successful year in 1912, which would indicate an increased acreage this season for all crops grown in this vicinity.

CHICAGO.—Prices on the Board of Trade February 12 for grass seed were noted as follows: Timothy, \$3 to \$4 per 100 pounds.—Onion sets hold steady at, whites \$1.25, reds \$1.05, and yellows \$1, in carlots.

NEW ORLEANS, LA.—The J. Steckler Seed Co. say that the gardeners in their territory all made very good crops last year where they were not flooded but on account of their vegetables being marketed at the same time as the crops from Florida and other states the prices were not as good as in previous years. This firm's trade in 1912, however, was the best since the establishment of the business.

The Cannery Convention.

The following were noted among seedsmen and their representatives attending the cannery convention at Louisville this week: Arnold Ringier, of the W. W. Barnard Co., Chicago; A. B. Clark, of the Everett B. Clark Seed Co., Milford, Conn.; E. M. Parmelee, representing the John H. Allen Seed Co., Sheboygan, Wis.; W. B. Lucas, representing the John H. Allen Seed Co., Sheboygan, Mich.; S. F. Leonard, of the Leonard Seed Co., Chicago; J. C. Leonard, of the Leonard Seed Co., Chicago; S. P. Landreth, of the D. Landreth Seed Co., Bristol, Pa.; G. W. Warren, representing Rogers Bros., Alpena, Mich.; Chas. P. Guelf, representing the Jerome B. Rice Seed Co., Cambridge, N. Y.; W. C. Langbridge, representing the Jerome B. Rice Seed Co., Cambridge, N. Y.; A. W. Livingston, of the Livingston Seed Co., Columbus, O.; B. E. Brotherton, of the Peninsula Seed Co., Port Huron, Mich.; Watson S. Woodruff, of S. D. Woodruff & Sons, Orange, Conn.;

F. H. Woodruff, of F. H. Woodruff & Sons, Milford, Conn.; A. O. Hogg, of Hogg & Lytle, Toronto, Ont.; W. P. Stubbs, of Wood, Stubbs & Co., Louisville, Ky.; F. M. Clark, of the Everett B. Clark Seed Co., Milford, Conn.; — Lytle, of Hogg & Lytle, Toronto, Ont.; T. C. Fagan, representing J. M. McCullough's Sons Co., Cincinnati, O.; L. M. Graham, representing the Livingston Seed Co., Columbus, O.; W. S. Reynolds, Sturgeon Bay, Wis.; Edw. Reynolds, Sturgeon Bay, Wis.; C. P. Pyle, representing the F. G. Johnson Co.

Another Federal Seed Bill.

Another federal seed bill has been introduced by Senator Gronna. It is known as Senate Bill 8382 and is entitled, "A bill to prohibit the interstate shipment of impure seeds." Where shipments are made for the purpose of cleaning the seed before offering it for sale the law will not apply but such shipments must be made subject to such regulations as the Secretary of Agriculture may see fit to impose. He may demand a bond of the owner or consignee if he deems it necessary.

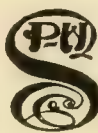
According to the bill red clover must not contain more than three per cent by weight of yellow trefoil or similar seed, and alfalfa must not contain more than three per cent of yellow trefoil, burr clover and sweet clover, singly or combined. Any variety containing more than five per cent of another kind of seed is also prohibited, clover and timothy mixtures excepted. The percentage of germination of any of the seeds must not be less than 90. The bill carries with it a penalty of a fine of not more than \$100 and not less than \$10 for each offense.

TACOMA, WASH.—The Morisse Seed Co., a new firm, has opened for business at 1131 South C street. Carl Morisse, former president of the Tacoma Rose Society, and Fred J. Morisse, are members of the firm.

MANKATO, MINN.—More than \$1,500 in cash premiums will be distributed by the commercial club of this place at the annual meeting of the crop breeders' association and the mid-winter seed show, to be held here February 25-28. The meeting is held under the direction of the agricultural division of the state university.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers

SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS

Alfalfa Crossing.

Alfalfa of Northern Africa, development of seedling alfalfa, descriptions of crosses, etc., are some of the features of a valuable bulletin issued by the Department of Agriculture, entitled "Some New Alfalfa Varieties for Pasture," by George W. Oliver. In crossing, the bulletin says that "very often the parents selected do not come true even from seeds resulting from flowers which have been self-pollinated. The reason for this is that the flowers are perfectly constructed for intercrossing." According to Mr. Oliver, "it requires at least two seasons before one can be reasonably certain that he has parents which are fixed enough in the desired character to begin hybridizing."

Seed Importation Act.

REGULATION 1.—SHORT TITLE.

The act "To regulate foreign commerce by prohibiting the admission into the United States of certain adulterated grain and seeds unfit for seedling purposes," approved August 24, 1912, shall be known and referred to as "The seed-importation act of August 24, 1912."

REGULATION 2.—DEFINITIONS.

(a) Clover.—The term "clover" shall include:

Trifolium hybridum alsike clover.
Trifolium incarnatum crimson clover.
Trifolium pratense red clover.
Trifolium repens white clover.

(b) Dodder.—The term "dodder" shall include all species of Cuscuta.

(c) Millet.—The term "millet" shall include:

Chaetochloa italica (setaria italica) Hungarian or German millet.
Panicum miliaceum broom-corn millet.

(d) Rape.—The term "rape" shall include the forms of Brassica napus,

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

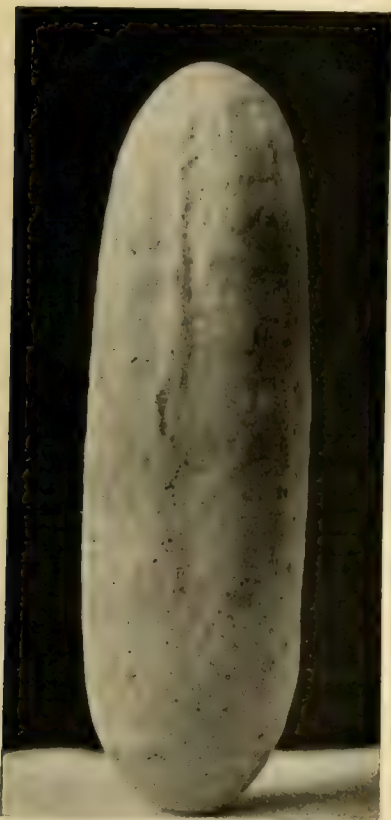
Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,

Grand Rapids, Mich.



Cumberland White Spine Cucumber.

Grown under irrigation by

Western Seed & Irrigation Co.Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.**Fremont, - Nebraska**

winter rape, commonly grown as for-
age, but shall not include the forms
of *Brassica napus*, summer rape or
bird rape, commonly grown for its
seed.

(e) Sorghum.—The term "sorghum"
shall include the saccharine varieties
of *Holcus sorghum* (*Sorghum vulgare*).

(f) Kafir Corn.—The term "Kafir
corn" shall include the nonsaccharine
or grain varieties of *Holcus sorghum*
(*Sorghum vulgare*), exclusive of broom
corn.

(g) Weeds.—The following plants
shall be considered weeds:

<i>Abutilon theophrasti</i> (A. avi- cennae)	Indian mallow.
<i>Achillea millefolium</i>	yarrow.
<i>Agropyron repens</i>	quack-grass.
<i>Agrostemma githago</i> (Lych- nis githago)	corn cockle.
<i>Allium vineale</i>	garlic, wild onion.
<i>Alsine</i> (<i>Stellaria</i>)	chickweed.
<i>Amaranthus</i>	amaranth.
<i>Ambrosia</i>	ragweed.
<i>Anagallis arvensis</i>	pimpernel.
<i>Antennaria</i>	Mayweed.
<i>Anthyllis Vulneraria</i>	kidney vetch.
<i>Atriplex</i>	saltbush.
<i>Avena fatua</i>	wild oats.
<i>Avena fatua, glabrescens</i>	
<i>Axylis amarantoides</i>	
<i>Berteroa incana</i> (<i>Alyssum in-</i> <i>cannum</i>)	hoary alyssum.
<i>Brassica</i>	mustard.
Except <i>B. napus</i> (winter rape).	

<i>Bromus hordeaceus</i>	} chess.
<i>Bromus racemosus</i>	
<i>Bromus secalinus</i>	
<i>Bromus tectorum</i>	

Bursa bursa-pastoris (Capsel-
la bursa-pastoris)
 shepherd's purse. || *Camelina* | false flax. |
| *Campe* (*Barbarea*) | winter cress. |
| *Carduus* (including *Cnicus*) | thistle. |

BEANS, PEAS, RADISH
and all Garden Seeds**LEONARD SEED CO.**
226-230 W. KINZIE STREET, CHICAGO**ONION SETS****GROWERS FOR THE TRADE**
Write for Prices.

Mention the American Florist when writing

RATEKIN'S SEED CORN

OLDEST ESTABLISHED AND LARGEST WHOLESALE AND CONTRACT SEED CORN GROWERS IN THE UNITED STATES: Have made this our specialty for over thirty years. We grow all the leading standard, best varieties of field Dent, Flint, and Sweet sugar corn, for the Wholesale Trade. Write or wire us for prices and quotations for immediate or future shipments. Also for contract growing prices for 1914 delivery; stating probable quantities of different varieties, etc., etc.

RATEKIN'S SEED HOUSE, Shenandoah, Iowa**LAWN GRASS SEED**

WHOLESALE ONLY

J. OLIVER JOHNSON

1874-76 Milwaukee Avenue

CHICAGO, ILL.

PERENNIAL RYE GRASS SEED

Fall Importation. \$3.75 per 100 lb. bag, f. o. b.

AVENUE FLORAL CO.,

3442 St. Charles Ave.

NEW ORLEANS, LA.

Onion Seeds--Onion SetsWe are Extensive Growers and Dealers
Write for prices on the 1912 crop.We are also submitting contract figures
for the 1913 crop of Onion Seed.**SCHILDER BROS.,** Chillicothe, O.**JAPAN CLOVER SEED**Booking orders for January shipment.
Prices on application.Contract with us for **Genuine Bermuda Onion Seed**, delivery next fall, grown by T. M. Reid, Port Orotova, Tenerife.**CHRIS. REUTER,** New Orleans, La.

Mention the American Florist when writing

WATERMELON SEED

1913 Contracts for the Trade.

Grown under rigid inspection, isolated
and carefully selected.**HUGH M. TAYLOR,** Trade
Grower.
- LLOYD, FLORIDA.**Contract Seed Grower****SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.****EDGAR F. HURFF,** Mullica Hill, New Jersey.

Correspondence Solicited.

Mention the American Florist when writing

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.**S. D. WOODRUFF & SONS****SEED GROWERS**Dealers in Garden, Field and Flower Seeds
Specialties, Potatoes, Onion Sets, Garden and
Flower Seeds. Contract Taken

Catalogue Free. ORANGE, CONN.

82 & 84 Dey St. NEW YORK**SEEDS**

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited
Boston, England**BURPEE'S SEEDS****PHILADELPHIA**Wholesale Price List for Florists
and Market Gardeners.**MANN'S****Lily of the Valley**are the finest in existence and their flowers
bring the best prices on the London mar-
ket. For quotations please apply to**OTTO MANN, Leipzig, Saxony, Germany**

Carex	sedge.
Centaurea	star thistle, corn flower.
Cerastium	mouse-ear chick-weed.
Chaetochloa glauca (Setaria glauca)	yellow foxtail, pig-eon grass.
Chaetochloa viridis (Setaria viridis)	green foxtail.
Chenopodium	lamb's-quarters.
Chrysanthemum	leucanthemum.
.....	oxeye daisy.
Cichorium intybus	chicory.
Conringia orientalis	bare's-ear mustard.
Convolvulus	bindweed.
Cuscuta	dodder.
Datura	Jimson weed.
Daucus carota	wild carrot.
Echinochloa crus-galli (Panicum crus-galli)	barnyard grass.
Echium vulgare	blueweed.
Eragrostis	stink-grass.
Erodium cicutarium	alfalfa.
Eruca sativa	rocket.
Erysimum	treacle mustard.
Festuca myuros	rat's-tail fescue.
Galium	bedstraw.
Geranium	crane's-bill.
Grindelia squarrosa	gunweed.
Helianthus	sunflower.
Hibiscus trionum	bladder ketmia.
Hieracium	hawkweed.
Holcus halepensis (Sorghum halepense)	Johnson grass.
Hypochaeris radicata	cat's-ear.
Ipomoea	morning-glory.
Iva	marsh elder.
Juncus	rush.
Lappula echinata (Echinopspermum lappula)	stickseed.
Lappula texana (Echinopspermum radowskii)	stickseed.
Leontodon autumnale	fall dandelion.
Leonurus cardiaca	motherwort.
Lepidium	peppergrass.
Linaria	butter-and-eggs; toad flax.
Lithospermum arvense	corn gromwell.
Lolium temulentum	larnel.
Lotus	bird's-foot trefoil.
Lychnis	campion.
Madia satira	tarweed.
Matricaria inodora	scentless camomile.
Medicago arabica (M. maculata)	spotted bur clover.
Medicago hispida denticulata (M. denticulata)	toothed bur clover.
Medicago lupulina	yellow trefoil.
Melilotus	sweet clover.
Molinia coerules	catnip.
Nepeta cataria	catnip.
Neslia paniculata	ball mustard.
Notholcus (Holcus)	velvet grass.
Oenothera biennis	evening primrose.
Pieris	ox-tongue.
Plantago	buckhorn; plantain.
Polygonum	knutweed; bindweed; smartweed; lady's-thumb.
Portulaca oleracea	purslane.
Potentilla	five-finger.
Prunella vulgaris	beal-all.
Ranunculus	buttercup.
Raphanus raphanistrum	wild radish.
Rosa	wild rose.
Rudbeckia hirta	brown-eyed Susan.
Rumex	dock; sorrel.
Salsola	Russian thistle.
Sanguisorba	burnet.
Sherardia arvensis	field madder.
Silene	catchfly.
Sisymbrium	tumbling mustard.
Solanum	nightshade.
Sonchus	sow thistle.
Spergula	spurry.
Syntherisma (Digitaria)	crab-grass.
Taraxacum	dandelion.
Thlaspi arvense	Frenchweed.
Tragopogon pratensis	goat's-head.
Trifolium	wild clover.
.....	Except T. hybridum, T. incarnatum, T. pratense, and T. repens.
Vaccaria pyramidata (Saponaria vaccaria)	cow cockle.
Valerianella locusta (V. oleratoria)	corn salad.
Verbena	verbena.
Vicia	vetch.

REGULATION 3.—EXAMINATION, ETC.

Seeds offered for importation into the United States from any foreign country, of which samples are taken for examination by the Secretary of Agriculture, shall be admitted only after the samples have been examined and pronounced to be neither adulterated nor unfit for seeding purposes within the meaning of the seed importation act, August 24, 1912: Provided, however, That such seeds may be delivered to the consignee pending examination and decision of the Secretary of Agriculture, on the execution of a bond for the return of the seeds to customs custody.

Lily of the Valley Pips

COLD storage, very fine quality,
Berlin and Hamburg.

Per case of 1,000 \$12.00
Per case of 3,000 \$32.00

Our florists' catalog is off the press.
Have you received a copy? If not
write for one today.

J. M. Thorburn & Co.

33 Barclay St. (T11) New York, N. Y.

BAUER
Seed Germinator.

A simple, practical device for making accurate
germination tests of seeds and grains.

Used and endorsed by

The U. S. Government and many
Agricultural Stations.

Price 35c each or \$3.60 per dozen

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Bean Growers

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REGULATION 4.—RECLEANING.

If it appears from the examination of samples by the Secretary of Agriculture that any seeds offered for import are adulterated or are unfit for seeding purposes within the meaning of the seed importation act, August 24, 1912, such seeds shall be admitted into the United States after having been cleaned under bond, when samples of the cleaned seeds have been examined by the Secretary of Agriculture and pronounced to be free from adulteration and not unfit for seeding purposes within the meaning of the seed importation act, August 24, 1912: Provided, That all screenings and other refuse removed in the process of cleaning shall be exported or ground or otherwise treated so as to render the seeds contained therein incapable of germination before the bond conditioned upon the cleaning is canceled.

REGULATION 5.—APPEALS.

All applications for relief from decisions arising under these regulations should be addressed to the Secretary of Agriculture, and all vouchers or accounts for remuneration for samples shall be filed with the chief of the seed laboratory, who shall forward the same, with his recommendation, to the Secretary of Agriculture for action.

REGULATION 6.—DATE TAKING EFFECT.

These regulations shall take effect from and after February 24, 1913.

Approved:

JAMES WILSON,
Secretary of Agriculture.
Washington, D. C., Dec. 18, 1912.



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Verbenas.....	\$0.70	\$ 6.00
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Heliotrope, Daisies, Salvias..	1.00	8.00
Feverfew, Petunias.....	1.25	10.00
Coleus.....	.70	6.00
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Coleus , 10 varieties April 1st., 2¼ inch pots	2.00

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Gladstone	1.25	9.00

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Antirrhinum (Snap Dragon), Giant—Pink, Scarlet, each, ¼ oz. .15	
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Mixed, ¼ oz. 15c. 1 oz. .40	
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Lavender Gem—A splendid early pure lavender, no yellow centers, very popular with florists. Trade pkt. 35c. ½ oz. 50c.

Snowdrift—A fine early long stemmed, pure white. Trade pkt. 35c. ½ oz. 50c.

Giant Comet—Mixed. ¼ oz. 35c. oz. 1.25

Daybreak—A fine pink flower for cutting. ¼ oz. .30

Purity—White flowers similar to above. ¼ oz. .30

Queen of the Market—Dark Blue, Crimson, each ¼ oz. 15c. ½ oz. .40

Light Blue, Pink, ¼ oz. 15c. ½ oz. .40

Snowdrift pure white, ¼ oz. 15c. ½ oz. .40

Mixed, ¼ oz. 10c. ½ oz. .30

Branching—Late—Flowers large double on long stiff stems, excellent for cutting. White, Flesh, Pink, each ¼ oz. 15c. ½ oz. .50

Lavender, ¼ oz. 15c. ½ oz. .50

Pink, Purple, each ¼ oz. 15c. ½ oz. .50

Dark Red, ¼ oz. 15c. ½ oz. .50

Mixed, ¼ oz. 20c. 1 oz. .75

Balsam—Camellia flowered, double mixed. ¼ oz. .40

BEGONIA SEED [all varieties.

Gracilis Luminosa, Ruby, Prima Donna, Triumph, Erfordia, Erfordia

Superba. All uniform. Trade pkt. .25



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Candytuft —Empress, very large, pure white, ¼ oz. .20	
White Rocket , ¼ oz. .15	
Little Prince , dwarf, large flowered white, ¼ oz. .25	
Celosia —Glasgow Prize, Dwarf, Crimson, ¼ oz. \$0.20	
All-a-Glow , Dwarf, Scarlet, ¼ oz. .20	
Empress Semi-Dwarf , ¼ oz. .20	
Ostrich Feather , Mixed, Tall, ¼ oz. .10	
Ostrich Feather , Mixed, Dwarf, ¼ oz. .20	
Centaurea —Gymnocarpa, ¼ oz. .20	
Imperialis , Mixed, fine for cutting, ¼ oz. .10	
Margaret White , fine for cutting, ¼ oz. .15	
Cineraria Maritima , trade pkt. 10c. oz. .25	
Cobea Scandens , Purple, ¼ oz. .30	
Coleus Finest Hybrids —Mixed trade pkt. .50	
Dracaena Indivisa , trade pkt. 10c. oz. .45	
Grevillea Robusta , ¼ oz. .50	
Ipomea Grandiflora (Moonflower) , ¼ oz. .40	
Ipomea Heavenly Blue , ¼ oz. .50	
Ipomea Setosa , ¼ oz. .20	
Lobelia , Erinus Speciosa, deep blue, trailing variety, ¼ oz. .20	
Crystal Palace Compacta , best for bedding, ¼ oz. .20	
Mignonette , Macher, ¼ oz. .25	
Grandiflora , large flowering, ¼ oz. .15	
Allen's Defiance , ¼ oz. .40	
Petunia , Double Giant Flowered Grandiflora and Fringed Mixed, 1000 seeds 1.25	
Giant Ruffled , trade pkt. 1.00	
Single large flowered , Fringed, trade pkt. .50	
Giants of California , trade pkt. 1.00	
Rosy Morn , Rosy pink, white throat, ¼ oz. .40	
Single Striped and Blotched , ¼ oz. .25	
Single Mixed , ¼ oz. .15	
Howard's Star , ¼ oz. .40	
Salvia , Splendens, trade pkt. 25c. oz. 1.00	
Clara Bedman , trade pkt. 40c. ¼ oz. .60	
Zurich , trade pkt. \$1.00, ¼ oz. 2.00	
Smilax , ¼ oz. 30c. ¼ lb. 1.00	
Stocks , Dwarf Large Flowering Double Ten Weeks, Mixed, ¼ oz. .25	
Brompton , ¼ oz. .35	
Giant Perfection Ten Weeks , Mixed, ¼ oz. .30	
Princess Alice , White, ¼ oz. .35	
Snowflake , for forcing, 1-16 oz. .75	
Ten Weeks (separate colors) , ¼ oz. .35	
Thunbergia , ¼ oz. .40	
Torenia Fournieri , trade pkt. 15c. ¼ oz. .50	
Torenia Bailloni , trade pkt. 25c. ¼ oz. .50	
Verbena , (Mammoth Flowered) Blue and Purple Shades, ¼ oz. 35c. oz. 1.00	
Pink , ¼ oz. 35c. oz. 1.00	
Scarlet , ¼ oz. 40c. oz. 1.00	
White , ¼ oz. 35c. oz. 1.00	
Striped , ¼ oz. 35c. oz. 1.00	
Mixed , ¼ oz. 30c. oz. .75	

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Pink Killarney, White Killarney, Double White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000, \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill. Killarney Queen, \$15.00 per 100; \$120.00 per 1,000.

OWN ROOT STOCK

Killarney, White Killarney, Prince de Bulgarie, Mrs. Aaron Ward, Melody, Lady Hillingdon and My Maryland, \$6.00 per 100; \$55.00 per 1,000. Richmond, 2½-inch, \$5.00 per 100; \$45.00 per 1,000. American Beauty, 2-inch, \$65.00 per 1,000 in 1,000 lots and \$60.00 per 1,000 in lots of 2,000 or over.

ROOTED CARNATION CUTTINGS

Enchantress, Lawson, Winsor, White Enchantress, White Perfection, and Beacon, \$2.20 per 100; \$20.00 per 1,000. May Day and Scarlet Glow, \$3.00 per 100; \$25.00 per 1,000. Gloriosa and Mrs. Ward, \$3.00 per 100; \$27.50 per 1,000.

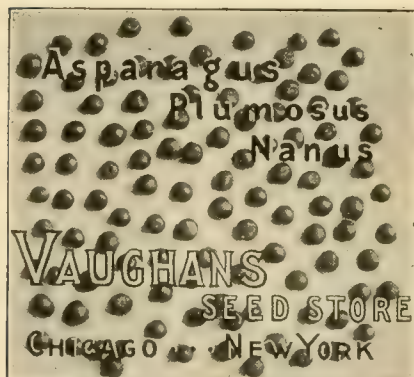
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Primula Obconica, strong plants, in bud and bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000. **Malacoides**, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, \$20.00 per 1000. **Asparagus Plumosus** and **Sprengeri**, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

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Forcing Spiraea Clumps, Gladiolus, Etc.

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Spiraea Gladstone.....	\$5.50	Spiraea Superba.....	\$ 4.00
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America. First Size.....	3.00	per 100,	25.00	per 1000
Medium Size.....	2.50	per 100,	20.00	per 1000
Mrs. Francis King.....	2.00	per 100,	18.00	per 1000

The Storrs & Harrison Co.,
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Carnation Rooted Cuttings.

Now Ready

Enchantress, Rose Pink Enchantress, May Day, Mrs. C. W. Ward, Western White Enchantress, White Enchantress, White Wonder, Lady Bountiful, Queen Louise, White Perfection, O. P. Bassett, Beacon.

Prices \$3.00 per 100; \$5 per 1000

Place your order for

OWN-ROOT and GRAFTED ROSES, NOW.

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OUR SELECTION.

Cuttings, 75c per 100; \$6.25 per 1000. Plants, 2¼-in., \$2.75 per 100; \$22.00 per 1000.

PURCHASER'S SELECTION.

Cuttings, 90c per 100; \$8.25 per 1000. Plants, 2¼-in., \$3.25 per 100; \$28.00 per 1000.

Enchantress Supreme

THE Best Sport from Enchantress up-to-date, possessing all the vigor and freedom that distinguishes its parent.

Color a light salmon pink — a color that is not only very attractive, but also one that endures full exposure to the sun without bleaching.

A good all around Carnation that retains its color at all seasons.

Calyx is longer and narrower than that of the parent variety, and distinct from the latter. Has shown no inclination to be a burster.

The weak points of Enchantress seem to have been lost in this Sport, and a trial of four years duration convinces us of its great value.

PRICES: Twelve Rooted Cuttings..... \$3.00 One Hundred rooted cuttings.... \$ 12.00
Twenty-five rooted cuttings, 5.00 One Thousand rooted cuttings.. 100.00
Fifty rooted cuttings..... 7.00 Order quick for February deliveries.

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Mrs. Francis King, First Size.....	Per 1000
“ “ “ Medium Size	\$20.00
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“ Medium Size.....	16.00
America, First Size (3,000 for \$70.00)	13.00
“ Medium Size, while unsold.....	25.00
Kunderdi Glory, First Size	20.00
Chicago White, the one best early.....	40.00
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Florists, Seedsmen and amateurs who are interested in **Gladiolus**, either for counter trade, for outdoor planting, or for the home garden, should correspond with us and secure our lists and prices **before placing orders** for this stock.

Of several leading kinds we can supply planting stock, white bulbs under one inch and small black bulblets by the bushel.

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Special Lists of Novelties can be made up on request.

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NEW YORK

CARNATIONS

Rooted Cuttings, Season 1913.

January delivery.

	Per 100	Per 1000
Rosette.....	\$6 00	\$50 00
St. Nicholas	6 00	50 00
Benora	6 00	50 00
Gloriosa	4 00	30 00
White Wonder	3 00	25 00
White Perfection	3 00	25 00
White Enchantress.....	3 00	25 00
Enchantress	3 00	25 00
Rose Pink Enchantress	3 00	25 00
Scarlet Glow	3 00	25 00
Mrs. C. W. Ward	3 00	25 00
Bonfire	3 00	25 00

Rooted Cuttings Our Specialty. Fine stock: even size; well rooted cuttings.

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Lady Hillingdon Roses

Fine 2 1/4-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
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SEASONABLE STOCK

Pandanus Utilus, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.

Cibotium Schiedel 6-in. pots, 10-12-in. fronds, 2 ft spread, \$1.50 each.

Fern Dish Ferns, all the best sorts including **Cyrtomium Falcatum**, and

Aspidium Tsussimense, \$3.00 per 100; \$25.00 per 1000.

Bargain! Kentia Forsteriana, a special bargain in single specimen plants,

perfect condition, 66 in. high, 6 to 7 leaves, in 10 in. green tubs, \$7.50.

Made up **Kentia Forsteriana**, 8 in. tubs, 4 plants in a tub, 48 to 52 in. high,

\$6.50 each.

Calla Ethiopica, 3-in. strong, need shift, \$7.00 per 100.

New Baby Rambler Rose, Erna Teschendorf, strong 2-yr. field grown plants,

\$4.00 per dozen, \$30.00 per 100. This is the best Red Baby Rambler of all.

English Ivy, strong 4-in., two or more shoots, \$12.00 per 100.

Dracaena Indivisa, strong 6-in. pot plants, \$35.00 per 100, 5-in. \$20.00 per 100

(Pot grown stock).

THE STORRS & HARRISON CO. - Painesville, Ohio.

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SMITH'S CHRYSANTHEMUM MANUAL

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One Hundred and Six Pages. Only 50 Cents, Postpaid.

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New Geranium---"Scarlet Bedder"

The best Double Red, not excepting S. A. Nutt. Place your orders now for this Novelty.
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Prices of Indoor Fruits and Vegetables.

Chicago, February 10.—Mushrooms, 25 cents to 60 cents per pound; lettuce, 20 cents, small cases; radishes, 8 cents to 35 cents per dozen bunches; pieplant, 25 cents to 50 cents per bunch; tomatoes, 18 cents to 20 cents per pound.

New York, February 8.—Cucumbers, \$1.50 to \$2.25 per doz., and \$4 to \$6 per box; mushrooms, 8 cents to \$2 per 4-pound basket; tomatoes, 10 cents to 35 cents per pound; radishes, \$3 to \$4 per 100 bunches; mint, 90 cents to \$1 per dozen bunches; rhubarb, 35 cents to 60 cents per dozen bunches; lettuce, 20 cents to 35 cents per dozen; beet tops, \$1.25 per box.

SAN FRANCISCO, CALIF.—The California State Floral Society will hold an exhibition here March 27-29.

TOLEDO, O.—The new officers of the Lucas County Horticultural Society are E. M. Warner, president; J. E. Wilcox, first vice-president; W. H. Strong, second vice-president; C. H. Krueger, secretary-treasurer; C. A. Tracy, assistant treasurer; O. B. Dean, G. W. Naugle, I. D. Cartwright, executive committee. The officers for the ensuing year of the Lucas County Floricultural Society, an affiliated organization, are Mrs. W. A. Searles, president; Mrs. G. W. Naugle, first vice-president; Mrs. Wm. Hawkins, second vice-president; Mrs. G. W. Smith, secretary; Mrs. W. G. Holloway, treasurer.

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2,000,000 Fine Two-year-old

Early Giant Argenteuil Asparagus Roots

Grown from best French Imported Seeds at \$2.50 per 1000, in lots of ten thousand or more.

Also Millions of Frost-Proof Cabbage Plants

of each of the following varieties: Jersey Wakefield, Charleston Wakefield, Early Spring, Early Flat Dutch, All Seasons, Succession, Late Flat Dutch, at 75c for 500; \$1.00 per 1000; 85c per 1000 for 5000 or more. All delivered at Charleston, Express, Railroads or Steamship Lines. Cash with order.

ALFRED JOUANNET,
MOUNT PLEASANT, S. C.

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Making Good At Easter.

There is nothing better for florists to do than to hurry to Aschmann, for Easter is due. The plants he has will be just in their prime; He has grown them right in the nick of time. Like trumpets of alabaster made. His Lilies are quite the best in the trade. And flowering plants of every sort.

Araucaria Excelsa, our specialty, 5, 5½, 6-in. pots, 3, 4, 5, 6 tiers, 12, 15, 20, 25 to 30 inches high. 40c, 50c, 60c, 75c, \$1.00, \$1.25 and \$1.50.

Specialty of Ferns—Boston, Whitmani, Scholzei, Scotti, 5½, 5½, 6, 7-in. pots, 30c, 35c, 40c, 50c, 75c to \$1.00.

Giatrasii, 5, 5½-in. pots, 35c to 40c; in pans or pots.

Begonia Gloire de Lorraine and Cincinnati, 5½, 6-in., in bloom and bud, 35c, 40c, 50c to 75c.

Cyclamen, 5½-in., in bloom and bud, 35c, 40c, 50c; 4-in., 25c.

Ficus Elastica or Rubber Plant, 5½-in. to 6-in., 30c, 35c, 40c and 50c.

Primula Chinensis and Obconica Grandiflora, in bloom or bud, 5½-in. pots, \$2.50 per doz.

Obconicas, 4-in., 10c; in bloom, 15c.

Dracaena Terminalis, red colored, 5½-in., 40c.

Dish Ferns, good assortment, 2½-in., \$4.00 per 100; 3-in., 7c.

Cyrtomium Falcatum, Holly Fern, 4-in., 20c.

Asparagus Plumosus and Sprengeri, 4-in., 10c each; 2½-in., \$4.00 per 100; 3-in., 7c; 5½-in., (3 plants), 40c to 50c.

Hydrangea for Easter, pot grown, 6-in., 25c, 35c, 50c; 7-in., 75c; 4-in., 25c; 4½ to 5-in., 30c to 40c.

Kentia Forsteriana, 5½, 6-in., single plant, 25, 30, 40, 50 inches high, 75c, \$1.00, \$1.25, \$1.50, \$1.75, \$2.00 to \$2.50; 1 large made up, 50 inches high in center, 3 smaller sizes, 25 inches, \$3.00, \$3.50 to \$4.00; 5-in., 50c.

Belmoreana, 4-in., 25c to 30c.

Aspidistra, 6-in., variegated, \$1.00, \$1.25; green foliage, 75c to \$1.00.

We have the genuine **Lilium Multiflorum** raised from selected bulbs by our growers in Japan, 5½ to 6-in. pots; of medium height; 3, 4, 5, 6, 7, 8 buds to a plant, 12c per bud; 4-in., ready for a shift in 5½ and 6-in. pots, \$20.00 per 100. Just right for Easter Trade.

Azalea Indica, in bloom; **Vervaeana** and assorted colors, in bloom, 75c, \$1.00, \$1.25 to \$1.50.

That the public buy of him can be bought. No better are seen the whole land o'er. Ferns, Tulips, Narcissus and Palms galore While the Araucarias are nearly sublime. Stately and green with riches they shine. Take no chance this year, make sure of the best. Send orders to me, I'll do the rest.

Easter Blooming Azaleas, good assortment, **Mme. Vander Cruysen**, **Niobe**, **Simon Mardner**, **Deutsche Perle** and other best varieties, 50c, 60c, 75c, \$1.00, \$1.25 to \$2.00.

Cinneraria Hybrida, our well known special plants, 5½ to 6 inch pots just right for Easter; in bloom now if desired, 25c, 35c, 40c, 50c, 75c.

Kentia Belmoreana, 5½ inch 60c to 75c; 4 inch 25c to 35c, 20 to 25 inches high. Combination or made up, 6 inch pots, 3 plants in a pot, 20 to 25 inches high, 75c to \$1.00.

Hyacinths, our own importation: first class bulbs. **Gertrude**, best pink. **La Grandesse**, best white. **King of the Blues**, best dark blue. **Giant Maitre**, best London blue. 4 inch pots from cold frame now \$10.00 per 100; in bloom for Easter or one week before \$12.00 per 100.

Von Sion Daffodils, best double **Yellow Narcissus** in the world. Double nosed, 3 bulbs planted in a 6 inch pot, \$4.00 per doz. pots. Easter bloom ing out of cold frame; in bloom one week before Easter.

6 inch pans filled with **Pteris Wilsoni** Ferns, **Albo-Lineata** or **Tsussimense**, very attractive, only 25c per pan; with **Dracaena Terminalis** in center, 50c to 75c.

Begonias, improved Erfordi red, in pots, our best vernal type of our own importation, 5½ in. pots, 25c to 35c.

We have a house of **Spiraea Gladstone** in bud now. Right for Easter, 6 to 7 inch pots, 35c, 40c, 50c, 75c to \$1.00.

Crimson Rambler Roses, 6 inch pots, bushy, 75c to \$1.00, \$1.25, \$1.50.

Tulips, Tournesol, (red and yellow, variegated, best double.)

Murillo, rose, **Imperator Rubrum**, double red, and **Corronne d'Or**. 3 bulbs planted in a 4 inch pot per 100 pots, \$15.00; 25 or 50 pots same price. Out of cold frame in bloom one week before Easter.

Cash with order please. Please state if shipped with or without pots. All goods shipped at purchaser's risk only.

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1012 W. Ontario St., Philadelphia, Pa.
Importer and Wholesale Grower of Potted Plants.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. **American Spawn Co., St. Paul, Minn**

Mention the American Florist when writing

**THE EARLY ADVERTISE-
MENT GETS THERE.**

We have

**1,000,000
Grand Rapids and
Tennis Ball Lettuce**

COLD FRAME PLANTS

At \$1.00 per 1,000; 5,000 lots for 90 cts. 10,000 lots for 80 cts.

We grow a general line of vegetable plants for the trade only. Send for catalogue now ready.

FRANKLIN PLANT FARM, Inc.

FRANK BRUNTON, Gen'l Manager.

R. F. D. No. 2.

NORFOLK, VA.

Quality in Young Stock

NEW ROSES.

MILADY and MRS. GEO. SHAWYER

Grafted per 100, \$30.00 Per 1000, \$250.00
Own Root " " 30.00 " " 250.00

KILLARNEY QUEEN and DOUBLE WHITE KILLARNEY

Two new Roses of last season.

Grafted per 100, \$20.00 Per 1000, \$150.00
Own Root " " 12.00 " " 100.00

MRS. CHAS. RUSSELL

Grafted per 100, \$35.00 Per 1000, \$300.00

KILLARNEY, WHITE KILLARNEY, MY MARYLAND, DOUBLE PINK KILLARNEY, MRS. TAFT (Rivoire) RADIANCE, MRS. AARON WARD, LADY HILLINGDON, RICHMOND

Grafted per 100, \$15.00 Per 1000, \$120.00
Own Root " " 7.50 " " 60.00

CARNATION CUTTINGS.

ROSETTE, ST. NICHOLAS, BENORA

Rooted Cuttings per 100, \$6.00 Per 1000, \$50.00

BEACON

Rooted Cuttings per 100, \$3.50 Per 1000, \$30.00

WHITE ENCHANTRESS, WHITE PERFECTION, MRS. C. W. WARD, MAY DAY

Rooted Cuttings per 100, \$3.00 Per 1000, \$25.00

CHRYSANTHEMUMS.

The Best Commercial Varieties in Existence.

CHRYSOLOGA, UNAKA, CHADWICK SUPREME, DECEMBER GEM, CHAS. RAZER, W. R. BROCK

Rooted Cuttings, \$4.00 per 100, \$30.00 per 1000. 250 of a variety at the 1000 rate.

New varieties and a list of the best commercials given in full in our catalogue.

POMPONS

FAIRY QUEEN, the best pink; HELEN NEWBERRY, the best late white, from 2¼-inch pots, \$6.00 per 100, \$50.00 per 1000
TO COVER THE SEASON CONSIDER THE LIST BELOW AND SEND IN YOUR ORDER.

WHITE—Nio, Baby Margaret, Diana. YELLOW—Overbrook, Mertsham Tints, Baby, Quinola, Souvenir d'Or (Mrs. Frank Beu). PINK—Eleganta, Alena, Mintia, Alma. BRONZE YELLOW—Miss Julia, Allentown. RED—Rufus, Lyndhurst, Julia Lagravere. From 2-in. pots, \$3 per 100, \$25 per 1000. 5 varieties at the 100 rate; 250 at the 1000 rate
SINGLES. A collection of the twelve best varieties for cut sprays.

BEDDING STOCK—COLEUS in quantity, SALVIA, ALTERNANTHERA, HELIOTROPE, AGERATUM, ACHYRANTHES.

No order too large for our wholesale department. Use printed stationery or enclose your card. Wholesale prices to the trade only.

A. N. PIERSON, Inc., Cromwell, Conn.

"Mrs. George Shawyer"

We can still quote March delivery on this sterling Rose but would ask that you do not delay too long before investigating its merits.

SHAWYER and MILADY, \$30.00 per 100; \$250.00 per 1000. Grafted or Own Root.

CARNATIONS.

Northport: The leader in the dark pink section. Commodore: The freest blooming scarlet we have.

Enchantress Supreme and Salmon Beauty: Two fine sports from Enchantress.

\$12.00 per hundred; \$100.00 per thousand.

CHAS. H. TOTTY, MADISON, N. J.

Miscellaneous Plants

Smlax, 2-in., per 100, \$1.00. Dracaena Indivisa, 2-in., per 100, \$2.00. New Double Daisy, Mrs. F. Sander, 2-in., per 100, \$2.00. Cryptomeria Japonica, 2-in., per 100, \$5.00. Asparagus Plumosus, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

Mention the American Florist when writing

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

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Mention the American Florist when writing

Flower Colors

Use our COLOR CHART in describing them

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St.,

CHICAGO

SHAMROCK, TRUE IRISH.

Strong plants from 1¼-in. pots, 100, \$3; 1000, \$25.
Strong plants in 1-in. pots with saucers, \$4 per 100; 35 per 1000.

FERNS FOR DISHES.

Best assorted varieties from 2¼-in. pots, 100, \$3.50; 1000, \$30. 500 at 1000 rate. Cash with order.

FRANK OECHSLIN,

4911 West Quincy St. CHICAGO.

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100, Boston and Whitman Ferns, 3-in., 10c; 4-in., 15c; 5 in., 25c.
Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

The Early Advertisement Gets There.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.
Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

LEBANON, ALA.—The Will's Valley Orchard and Nursery Co. has planted more than a hundred acres in fruit tree stock this winter.

MUSKEGON, MICH.—The value of tree culture was the principal subject discussed at the meeting of the Muskegon County Horticultural Society February 1.

HUNTSVILLE, ALA.—The Alabama Nursery Co. has sold its property to be divided into truck farms and will move to Chase, five miles northeast of the city.

BLOOMINGTON, ILL.—F. W. Glenn, sales manager for the Phoenix and Bloomington Nursery companies has resigned and will enter the nursery business for himself.

BEAUMONT, CALIF.—An estimate based on figures obtained from nurserymen and orchardists shows the number of deciduous fruit trees to be set out in the Beaumont valley this season will exceed the record of last year, when 56,000 trees were planted.

OKLAHOMA CITY, OKLA.—Notice of dissolution of partnership has been filed by Claude Galeener and Lewis C. Oliver, doing business under the firm name of the Great Western Nursery Co. Mr. Galeener will continue the business under the company's old name.

THE next annual meeting of the Southern Nurserymen's Association will be held at Mont Eagle, Tenn., August 27-29, 1913. The officers for the year are, O. Joe Howard, Pomona, N. C., president; Robt. Chase, Chase, Ala., vice-president; A. C. Smith, Knoxville, Tenn., secretary-treasurer.

W. C. REED, a Vincennes, Ind., nurseryman, is suing a former Colorado deputy state inspector of nursery stock for \$6,500 for the seizure and confiscation of 10,000 young trees shipped to Denver two years ago, and alleged to have been diseased. The suit is looked upon as a test case, and the ruling is awaited eagerly by other nurserymen.

Connecticut Nurserymen's Association.

The annual meeting of the Connecticut Nurserymen's Association was held February 12, at the agricultural experiment station, New Haven. Papers were read as follows: J. R. Barnes, "Storage of Nursery Stock;" C. R. Burr, Manchester, "Replacing of Nursery Stock;" Dr. E. H. Jenkins, "Fertilizers." There was an illustrated lecture by E. F. Coe on "Japanese Gardens," at the afternoon session.

Catalpa Bungei

Specimen trees with wide spreading tops 2 to 4 years and straight 7 ft. stems, 2 to 3-inch caliper.

Get our prices on all kinds of shade trees.
W. B. COLE, Avenue Nurseries,
Painesville, - - - - - Ohio

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Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS
Nurserymen and Florists. RUTHERFORD, N. J.

Comfort Carnation Cuttings

A Scarlet second to none. A Carnation that came to stay. Be wise, have comfort. Orders filled in rotation. Cuttings guaranteed, \$4.00 per 100. \$30.00 per 1,000.

S. M. MERWARTH & BROS.
Carnation Specialists EASTON, PA.

MANETTI STOCKS.

Well rooted. English-Crown Manetti Rose stocks, especially selected for Florist's grafting.

5 to 8 m-m.....\$12.00 per 1,000 3 to 5 m-m.....\$10.00 per 1,000

Duty paid. We are filling orders NOW; can take care of a few more late buyers. Are YOU supplied? Send us your order. Shall we ship by freight or express?

JACKSON & PERKINS CO., Newark, New York

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,
P. O. Berlin N. J. Williamstown Junc., N. J.

Robert Craig Co...

High Class **PALMS**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids. Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Sphagnum MOSS

BURLAPPED

Fresh clean moss from new marsh, full sized bales.

Vaughan's Seed Store,
Chicago. New York.

Osmundine

(Osmunda Fibre or Orchid Peat.)

BROWNELL'S SUPERIOR QUALITY.

Used the World Over

Price List and Samples on Request

The C. W. Brownell Company
Walden, N. Y.

JOSEPH HEACOCK COMPANY'S PALMS & FERNS

Home-Grown, Well Established, Strong and Healthy.

Kentia Belmoreana.				
Pot	Leaves	In. high.	Each	Doz.
2½-in.	4	8 to 10.....		\$ 1 50
3-in.	5	12.....		2 00
4-in.	5	15.....	\$ 0 35	4 00
5-in.	6 to 7	18.....		50 6 00
6-in.	6 to 7	24.....	1 00	12 00
6-in.	6 to 7	26 in. high.	1 25	15 00
6-in.	6 to 7	28 to 30.....	1 50	18 00
Cedar				
tub	Leaves	In. high.	Each	Doz.
7-in.	6 to 7	34 to 36.....	2 50	30 00
9-in.	6 to 7	40 to 45.....	4 00	48 00

Cedar tub				
Leaves	In. high	Each		
6 to 7	42 to 48.....	5 00		
6 to 7	48 to 54.....	6 00		
6 to 7	5 ft.....	8 00		
6 to 7	6 to 7 ft.....	10 00		

Phoenix Roebelenii.				
Pot	Leaves	In. high	Each	Doz.
5-in.,	nicely characterized			\$1 00
6-in.,	18 to 20-in. spread			1 50
Cedar tub				
High	Spread			
7-in.	18-in.	24-in.		\$2 00

Cedar Kentia Forsteriana—Made up.				
Plants	In. high	Each	Doz.	
7-in.	4	30.....	2 00	24 00
9-in.	4	42 to 48.....	5 00	60 00
9-in.	4	48 to 54.....	6 00	
9-in.	4	5 ft.....	7 50	
12-in.	4	5½ to 6½ ft.....	15 00	

Cibotium Schiedel.				
Cedar	Spread			
7-in.	2 to 2½ feet.....			\$2 00
9-in.	4 feet.....			4 00
9-in.	5 feet.....			5 00
12-in.	6 to 8 feet.....			8 00

We are growing all our Kentias above 6-inch size in neat **Cedar Tubs**, made especially for us, with electric wire hoops, and painted **green**. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The **buyer** has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia be sure to look us up.

We are easily reached—only 25 minutes from **Reading Terminal**, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of **all sizes**, from 2½-inch pots to 12-inch tubs. We are strong on **Decorative Palms**, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are **home-grown** (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is **much larger** than ever before and never in **better condition**.

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station, Jenkintown.

Mention the American Florist when writing

EASTER STOCK.

Order now, and we will ship at any time wanted
Stock Guaranteed.

Terms: Cash or approved credit of 30 days.

Lilies, cut, \$2.00 per doz.: \$12.50 per 100.		
Lilies, plants, 12½ to 15 cents per bud.		
Hydrangeas, imported stock, 3 to 8 heads at 75c.		
\$1.00, \$1.50 and \$2.00 each.		
Azaleas at \$1.00, \$1.25 and \$1.50 each.		
Spireas, 35c, 50c and 75c each.		
Baby Ramblers, 35c, 50c and 75c each.		
White Ramblers, 35c each.		
Souperets and Hermosa, 35c and 50c each.		
	3-inch	4-inch
Primroses.....	\$8.00	\$12.50
Obconica.....	8.00	12.50
Malacoides.....	10.00	20.00
Cinnersarias.....	8.00	15.00
Begonias.....	7.50	15.00
BULB STOCK.		
	4-inch	5-inch
Hyacinths.....	\$10.00 to \$15.00	\$25.00
Tulips.....		25.00
Von Sions.....		25.00
Narcissus.....		25.00

	6-inch	
	\$35.00	
	35.00	
	35.00	

Ask for our Fern list and Soft Wooded stock list.

Geo. A. Kuhl,
WHOLESALE GROWER, PEKIN, ILL.

PALMS.

Kentia Forsteriana, 4-in. pots, 12 to 15-in.	Each.
Kentia Belmoreana, 4-in. pots, 12 to 15-in.	18c
Areca Lutescens, 3-in. pots, 8 to 12-in.	10c
Latania Borbonica, 4-in. pots, 12 to 15-in.	15c

ROSES OUR SPECIALTY.

Write for 1913 Catalogue.

THE DINGEE & CONARD CO.,
WEST GROVE, PA.

ROSES

THE LEEDLE FLORAL COMPANY.
SPRINGFIELD, OHIO.

Geraniums AND Coleus

Ricard and Poitevine, \$15.00 per 1000. S. A. Nutt, \$12.50 per 1000: next delivery about March 17. G. Bedder, Vers., and general assortment \$6.00 per 1000: ready almost any time. Plumosis, just right for Easter pans, sample, 10 cents; 100, \$2.50.

Safe Delivery Guaranteed.

Albert M. Herr, Lancaster, Pa.

Fine Decorative Plants

Make up your order now from this list and let us have it as early as possible.

PRICE LIST.

Kentia Belmoreana.		Per doz.
4-in. pot, 12 to 15 in. high, 6 leaves.....	\$4.50	
	Each.	
6-in. pot, 24 in. high, 6 to 7 leaves.....	1.25	
6-in. pot, 28 to 30 in. high, 6 to 7 leaves.....	1.50	
7-in. pot, 36 in. high, 6 to 7 leaves.....	2.50	
8-in. pot, 36 to 38 in. high, 6 to 7 leaves.....	3.00	
9-in. tub, 46 to 50 in. high, 6 to 7 leaves.....	\$5 to \$6	
Specimens, 9 to 10 in. tubs, \$6.00 to \$15.00 each		

Kentia Forsteriana.		
4-in. pot, 15 to 18 in. high. Ea. 75c; doz.,	\$4.50	
5-in. pot, 20 to 24 in. high.....	9.00	
6-in. pot, 28 to 30 in. high, 6 leaves.....	Ea. 1.25	
6-in. pot, 34 to 36 in. high, 6 leaves.....	1.50	
7-in. pot, 38 to 40 in. high, 6 to 7 leaves.....	2.50	
7-in. pot, 40 to 46 in. high, 6 to 7 leaves.....	3.00	
8-in. pot, 48 to 50 in. high, 6 to 7 leaves.....	5.00	

Specimens in from 8 to 12 in. tubs, from \$6.00 to \$15.00 each.

Made-up Kentia in Tubs.

6-in. tubs, 28 to 30 in. high, 3 plants.....	\$2.00
6-in. tubs, 32 to 34 in. high, 4 plants.....	3.00
8-in. tubs, 44 to 48 in. high, 4 to 5 plants.....	5.00
8-in. tubs, 48 to 52 in. high, 5 plants.....	6.00
10-in. tubs, 4½ feet high, 5 plants.....	8.00
10-in. tubs, 4½ to 5 feet high, 5 plants.....	10.00
10-in. tubs, 6 feet high, 5 plants.....	12.00

For larger specimens in tubs prices on application.

Areca Lutescens, 7 inches strong, \$2.00 each

Plants Ready For Immediate Sale.

Bostons, 6-in.....	\$0.50 each.	\$ 6.00 per doz.
“ 7-in.....	0.75 “	7.50 “
“ 8-in.....	1.00 “	10.00 “
“ 10-in.....	2.50 “	
“ 12-in.....	3.50 “	

Bostons, strong 2½-in.....\$3.50 per 100
Dracaena Massangeana...\$1.25 to \$1.50 each
Dracaena Godseffiana, 3-in., 20c each, \$2.00 per dozen.

Phoenix Roebeleni, 3 in.....\$2.50 per doz.

Pandanus Veitchii, 4-in.....5.00
“ 5-in.....each, \$1.00
“ 6-in.....1.50
“ 7-in.....2.50

Rubber Plants, strong 6-in., 75c to \$1.00 each
Ficus Pandurata, 6-in., 2½ to 3 feet high, extra strong plants, \$3.50 each; 7-in., 5 to 6 feet tall, \$4.50 to \$5.00 each.

Table Ferns, 10 varieties:
“ 2½-in., \$3.00 per 100; \$25.00 per 1000
“ 3 in., strong, \$6.00 per 100; \$55.00 per 1000.

Azalea Indica, in bud and bloom: pink, red and white: fine plants at 75c to \$1.50 each.
Cyclamen in bloom, 5-in., 40c each; 6-in., 60c each.

Primroses in full bloom, 4-in.: \$2.00 per doz.: 5-in. \$3.00 per doz.

True Irish Shamrocks

Special for St. Patrick's Day, strong, 2-inch, \$3.00 per 100; \$25.00 per 1000.

Poehlmann Bros. Co.

Plant Department,

Morton Grove, Illinois

The Early Advertisement Gets There

Grow The Herald



The Chicago Carnation Co.'s Wonderful New Scarlet Seedling Carnation and you will make no mistake. It is an early free and continuous bloomer and the best commercial scarlet.

Rooted Cuttings, ready March 1.....\$12.00 per 100; \$100.00 per 1,000

OTHER VARIETIES READY MARCH 1

Gloriosa, medium pink.....\$4.00 per 100; \$35.00 per 1,000
Benora, variegated 6.00 per 100; 50.00 per 1,000
White Wonder 3.00 per 100; 25.00 per 1,000

Ready for Immediate Delivery.

	100	1000		100	1000
25,000 Enchantress	\$3.00	\$25.00	10,000 Scarlet Glow.....	\$3.00	\$25.00
25,000 White Enchantress	3.00	25.00	10,000 Washington.....	3.00	25.00
20,000 Victory	3.00	25.00	5,000 Rose Pink Enchantress.....	3.00	25.00
15,000 Beacon.....	3.00	25.00	5,000 May Day, deep flesh.....	3.00	25.00

Very low price on large lots. Send us your list for quotations. All conservative carnation growers are placing their orders now for future delivery. Do not wait.

CHICAGO CARNATION COMPANY

A. T. PYFER, Mgr.

30 E. Randolph Street : : : : CHICAGO, ILL.

Landscape Gardening



A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

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F. F. SCHEEL

SHERMERVILLE, ILL.

Wholesale Growers of Cut Flowers, Pot Plants and Nursery Stock

Mention the American Florist when writing

DAHLIAS

Standard and New Cut Flower Varieties

Lindhurst Farm

Hammonton, N. J.

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Tuberous Rooted Begonias



	Doz.	100	1000
Single sorts—white, scarlet, yellow, pink			
.....	\$.40	\$2.50	\$22.00
Single sorts—mixed.....	.35	2.25	20.00
Double " —white, scarlet, yellow, pink			
.....	\$.65	\$4.50	\$40.00
Double sorts—mixed.....	.60	4.00	37.50

Gloxinias

Grassifolia Grandiflora

All the spotted and Tigered variations in sound bulbs.

	Doz.	100	1000
Separate colors.....	\$.60	\$3.50	\$30.00
Choice mixture.....	.50	3.20	28.00

Spiraea Clumps

	Per 100
Gladstone.....	\$ 8.00
Floribunda.....	6.00
Japanica.....	5.00

Lily Bulbs

	Per 100
Album, 8-9 inch.....	\$ 9.00
Album, 9-11 inch.....	12.50
Auratum, 8-9 inch.....	6.00
Auratum, 9-11 inch.....	10.00
Rubrum, 8-9 inch.....	6.00
Rubrum, 9-11 inch.....	9.00

Write for
Florists' Catalog.

Vaughan's Seed Store,

CHICAGO and
NEW YORK

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman Compacta (new), to take the place of
Whitmani. A better commercial fern; 2½-in.,
\$.60 per 100; \$50.00 per 1000.
Roosevelt, \$.60 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

Mention the American Florist when writing

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my Specialty

Mention the American Florist when writing

Special 1913 Wholesale Price List Of Palms, Ferns, Bay Trees, Boxwoods, Etc.

The stock listed below is all of exceptionally fine quality and good value at the prices quoted. We take special care in filling long distance orders and have a justly earned reputation for shipping plants successfully to all parts of the United States, Canada and Mexico. Better make up your order from this list now and let us have it today.

Araucaria Excelsa — Each	Doz.	Per 100
4-in. 2 3 tiers.....	\$.50	\$ 6.00
6 in. 4 5 tiers.....	1.00	12.00
7 in. 4 5 tiers.....	1.50	18.00

Areca Lutescens —	Doz.	Per 100
3-in. 3 pits in a pot..	2.00	\$15.00
4 in. 3 pits in a pot..	3.00	25.00
6-in.....	1.50	

Asparagus Plumosus —	Doz.	Per 100
2-in.....		3.00
3-in.....		6.00
4-in.....	1.50	

Asparagus Sprengeri —	Doz.	Per 100
3-in.....	.75	5.00

Aspidistra —	Doz.	Per 100
Green 4 in dwarf.....	.25	

Aspidistra variegata	per leaf	
Aspidistra variegata.....	\$0.15	

Aucuba Japonica , 2-ft.....	Each	
Aucuba Japonica, 2-ft.....	.75	

Aucuba Type , 2-ft.....	Each	
Aucuba Type, 2-ft.....	1.00	

Aucuba, large	Each	
Aucuba, large.....	3.00	

BAY TREES.

For Spring Delivery.

Standard, 1 ft. stem, 18 in. head.....	Per pair
Standard, 1 ft. stem, 18 in. head.....	\$ 6.00
2 ft. stem, 2 ft. head.....	12.00
2 ft. stem, 18 in. head.....	8.00
2 ft. stem, 2 ft. head.....	10.00
3 ft. stem, 20-22 in. head.....	10.00
3 ft. stem, 26 in. head.....	12.00
4 ft. stem 4 ft. head.....	40.00

Pyramids , 6 ft. high.....	
Pyramids, 6 ft. high.....	18.00
5 ft. high.....	12.00
7 ft. high.....	30.00
9 ft. high.....	40.00

Mission Tubs , up to 12 in., at \$1.00 extra.	
Mission Tubs, up to 12 in., at \$1.00 extra.	

BOSTON FERNS.

	Each	Doz.	Per 100
2-in.....		\$1.50	\$3.00
4-in.....		3.00	
5-in.....	.25	3.00	
6-in.....	.50	6.00	
7-in.....	.75	9.00	
8-in.....	1.00	12.00	
9-in.....	1.50	18.00	

Larger ones at \$2.00, \$2.50 and up each.

BOXWOODS.

For Spring Delivery.

Bushes , 8 in.....	Each	
Bushes, 8 in.....	.25	
12 in.....	.30	
18 in.....	.50	
2 1/2 ft.....	1.25	
3 ft.....	1.75	
Globes, 12 1/2 in.....	2.00	
2 1/2 ft.....	6.00	
Obelisks, 6-7 ft.....	12.00	
Pyramids, 2-2 1/2 ft., for Spring delivery.....	.75	
3 ft.....	1.20	
3 1/2 ft.....	2.00	
4 ft.....	3.00	
5 ft.....	4.20	
6 ft.....	6.00	
7 ft.....	7.50	

Cocos Weddelliana , 2-in.....	Doz.	Per 100
Cocos Weddelliana, 2-in.....	\$1.75	\$14.00

Cycas Revoluta , from 4-in. to 7-in. at 50c, 75c, \$1.00, \$1.25, \$1.50 and \$2.00 each.		
Cycas Revoluta, from 4-in. to 7-in. at 50c, 75c, \$1.00, \$1.25, \$1.50 and \$2.00 each.		

Dracena Fragrans , 3 in.....	Doz.	Per 100
Dracena Fragrans, 3 in.....	\$3.00	\$1.50

Dracena Indivisa —	Doz.	Per 100
Dracena Indivisa—		

2-in.....	Doz.	Per 100
2-in.....	.50	\$ 3.00

3-in.....	Doz.	Per 100
3-in.....	.75	5.00

4-in.....	Doz.	Per 100
4-in.....	1.50	10.00

5-in.....	Doz.	Per 100
5-in.....	3.00	20.00

Ferns , asstd. vars for dishes in 2-in. pots	Doz.	Per 100
Ferns, asstd. vars for dishes in 2-in. pots	.75	6.00

Ferns , asstd. varieties for dishes in 3-in. pots	Doz.	Per 100
Ferns, asstd. varieties for dishes in 3-in. pots	.75	6.00

Ficus Elastica , 5-in.....	Each	
Ficus Elastica, 5-in.....	.35	

Ficus Pandurata , 6-in., 7-in. and 8-in. at \$1.50, \$2.50 and \$3.50 each.		
Ficus Pandurata, 6-in., 7-in. and 8-in. at \$1.50, \$2.50 and \$3.50 each.		

Ficus Repens , climbing, 2 1/2 in.....	Each	
Ficus Repens, climbing, 2 1/2 in.....	.50	

PHOENIX ROEBELENI

	Each	Doz.	Per 100
2 1/2 in.....		\$2.00	\$15.00

3-in.....	Doz.	Per 100
3-in.....	3.00	

4-in.....	Doz.	Per 100
4-in.....	.50	6.00

6-in.....	Doz.	Per 100
6-in.....	12.00	

6-in. strong.....	Doz.	Per 100
6-in. strong.....	18.00	

7-in.....	Doz.	Per 100
7-in.....	\$2.50 & \$3.00	

Specimens , 7 in. extra strong	4.00 each.	
Specimens, 7 in. extra strong	4.00 each.	

8 in. extra strong	5.00 each.	
8 in. extra strong	5.00 each.	

KENTIA BELMOREANA

Size	Leaves	Ht.	Each	Doz.	Per 100
2-in.	4	8-10 in.	\$1.50	\$12.00	
3-in.	4-5	10-12 in.	2.00	15.00	
4-in.	4-5	12-15 in.	3.60	30.00	
4-in. strong.	4-5	12-15 in.	4.50	35.00	
5-in.	5-6	15-18 in.	6.00	50.00	
5-in. strong.	5-6	18-20 in.	.75	9.00	
6-in.	6-7	21-22 in.	1.00	12.00	
6-in. strong.	6-7	22-24 in.	1.50	18.00	
7-in.	6-7	26-28 in.	2.00	24.00	
7-in. strong.	6-7	28-30 in.	2.50	30.00	
8-in.	7-8	40-45 in.	5.50		
9-in.	7-8	48-51 in.	8.00		
9-in. strong.	7-8	50-54 in.	10.00		
Made up 7 leaves, 3 in. pot.		28-30 in. high.....	2.50		



KENTIA FORSTERIANA.

Size	Leaves	Ht.	Each	Doz.	Per 100
2-in.	4	8-10 in.	\$1.50	\$12.00	
3-in.	4-5	12-14 in.	2.00	15.00	
4-in.	4-5	14-16 in.	4.50	35.00	
5-in.	5-6	16-18 in.	6.00	50.00	
5-in. strong.	5-6	20-24 in.	.75	9.00	
7-in.	5-6	36-38 in.	2.50		
7-in. strong.	5-6	36-40 in.	3.00		
8-in.	5-6	40-44 in.	5.00		
8-in. strong.	5-6	46-50 in.	7.00		
9-in.	6-7	60-in.	8.00		
Specimens, 6 ft. high.....			9.00		
Specimens, 7 ft. 6-in. high			15.00		

Made Up.

	Each	
6-in., 3 in a pot, 18-22 in. high	\$ 1.00 and \$1.50	
7-in., 3-4 in a pot, 24-30 in. high	2.50	
8-in., 3-4 in a pot, 40-45 in. high	6.00	
9-in., 3-5 in a pot, 50-54 in. high	8.00	
10-in., 4-5 in a pot, 58-60 in. high	10.00	
12-in., 4-5 in a pot, 62-70 in. high	15.00	
Specimens, 6 1/2 ft. high, 4 in a tub. Each	\$18.00	
Specimens, 7 1/2 ft. high, 4 in a tub. Each	25.00	
Latania Borbonica , 5-in. Ea. \$.50 Dz. \$ 5.00		
6-in.....Ea. .75 Dz. 9.00		
7-in.....Ea. 1.00 Dz. 12.00		

PANDANUS VEITCHII.

	Each	Doz.
3-in.....	\$.35	\$ 4.20
4-in.....	.50	5.50
5-in.....	.75	9.00
6-in.....	1.00	12.00
Extra strong plants, \$1.50, \$2.00 and \$3.00 each.		

PHOENIX CANARIENSIS

	Each	
8-in., 2 ft. high.....	\$ 1.50	
8-in., 46-50 in. high.....	4.00	
9-in., 50-54 in. high.....	8.00	
10-in., 60-64 in. high.....	10.00	

PHOENIX RECLINATA

	Each	Doz.	Per 100
4-in.....		\$3.00	\$20.00
5-in.....		5.00	40.00
6 in.....	.75	9.00	
7 in., 24 in. high; 3 in a pot 1.50			

MISCELLANEOUS BEDDING

PLANTS, Etc.

	Per 1000
Alternanthera Brilliantissima , red, rooted cuttings.....	\$7.00
Alternanthera Paronychioides Major , rooted cuttings.....	7.00
Alternanthera Aurea Nana , rooted cuttings.....	7.00
Alternanthera Amoena , rooted cuttings.....	7.00
The above varieties in 2-in. pots at.....	18.00
Ampelopsis Veitchii , selected stock, for Spring Delivery, 4 and 5 in.....Dz.	\$2.00
Clematis Jackmanii , extra strong, in 5-in. pots, at.....	35c each. 4.00
Coleus	Per 100
Golden Bedder, 2-in. pots.....	\$2.50
Verschaffeltii, 2-in. pots.....	2.50
Beckwith's Gem, 2-in. pots.....	2.50
Plister, red and yellow, 2 in.....	2.00
Cyclamen Persicum	Each Per 100
4-in.....	20c & 25c \$20 & \$25
5-in.....	35c
6-in.....	50c

DAHLIA ROOTS.

Undivided clumps from the field \$12.00 per hundred for named varieties
Mixed varieties.....\$8.00 per 100

List of the Named Varieties:

A. D. Livoni , shell pink	
A. E. Trumbull , brick red	
American Flag , pure white, striped crimson	
Ami Barrillet , rich pure garnet with fine dark foliage	
Baron de Grancey , pure white	
Bartels , salmon with pink	
Black Beauty , very dark red	
Camellia Alba , pure white	
Dreer's White	
Dr. Balan , brick red	
Evadue , soft rich yellow	
Fernleaved Beauty	
Frank Barrett	
Geo. Buller	
Lancelot , orange yellow	
Little Hermen , deep red, tipped white	
Loveline , pale yellow	
L. Punci , dark red, yellow center	
Maid of Kent , pink	
Mrs. Geo. Reid , white	
Nymphaea , light pink	
Perle , lavender	
Picotee , deep lavender	
President , white, tipped lavender	
Prof. Baldwin , cactus, cherry red	
Progenitor , clear crimson	
Rosalie , lemon yellow	
Sunnydale	
Sylvia , pink mauve whitish center	
Thatcher , lemon yellow	
Salvias	Per 100
Bonfire 2 in.....	\$ 2.50
Zurick 2 in.....	2.50
Splendens 2 in.....	2.50
Small Pines for Window Boxes.....	at 25c and 35c each

Spireas	Each
Spireas.....	

For Easter Blooming.....	
For Easter Blooming.....	

Gladstone 6-in.....	
Gladstone 6-in.....	.50

Gladstone 7 1/2 in.....	
Gladstone 7 1/2 in.....	.75

Queen Alexandra and Peach Blossom, 5-in.....	
Queen Alexandra and Peach Blossom, 5-in.....	.50

Queen Alexandra and Peach Blossom, 7-in.....	
Queen Alexandra and Peach Blossom, 7-in.....	.75

Queen Alexandra and Peach Blossom, 7-in.....	
Queen Alexandra and Peach Blossom, 7-in.....	1.00

Tritoma Uvaria grandis	Doz.	Per 100
Tritoma Uvaria grandis.....		

Hora, field grown clumps	Doz.	Per 100
Hora, field grown clumps	6.00	

Vincas , 2-in. pots at	3.00	
Vincas, 2-in. pots at	3.00	

4-in. pots at	1.75	15.00
4-in. pots at	1.75	15.00

FOR JUNE DELIVERY

	Per 100
Begonia Lorraine , 2 1/2 in. pots.....	12.00

Lorraine, 3-in.....	20.00
Lorraine, 3-in.....	20.00

Glory of Cincinnati, 2 1/2 in.....	15.00
Glory of Cincinnati, 2 1/2 in.....	15.00

Glory of Cincinnati, 3-in.....	25.00
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Alternantheras. A. N. Pierson, Inc., Cromwell, Conn.

AMPELOPSIS.

Ampelopsis Veitchii, heavy, 1-year, 2 to 3 ft., strong, 50 for \$2; 100, \$3.25; Parcel Post, \$20 for 1,000; 18 to 24 inches, 50 for \$1.50; 100 for \$2; Parcel Post, \$15 per 1,000. Well rooted plants tops cut to 6 inches for transplanting, \$12 per 1,000. Samples, 25c allowed on purchase. Chas. Black, Highstown, N. J.

Ampelopsis Veitchii, 4 and 5-in., \$2 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

ARAUCARIAS.

Araucaria excelsa, 4-in., 2 to 3 tiers, 50c each; \$6 per doz.; 6-in., 4 to 5 trs., \$1 each; \$12 per doz.; 7-in., 4 to 5 trs., \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucaria excelsa, 5, 5½ and 6-in., 40c to \$1.50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 5-in., \$6 per doz., \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6 per 100; 4-in., \$1.50 per doz., Sprengerl, 3-in., \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus Sprengerl, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus and Sprengerl, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprengerl, 2½-in., \$2.50 per 100; \$25 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus and Sprengerl, 2½-in., \$3 per 100; \$25 per 1,000. James Vick's Sons, Rochester, N. Y.

ASPARAGUS PLUMOSUS. Fine heavy plants, 2-in., \$4.50 per 100. Sprengerl, 2½-in., \$2.50 per 100. Wagner Park Conservatories, Sidney, O.

Asparagus Sprengerl and plumosus, 4-in., 10c; 2½-in., 4c; 3-in., 6c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprengerl, 2½-in., \$2 per 100 cash. John Bauscher, Jr., Freeport, Ill.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

ASPIDISTRAS.

Aspidistras, green and variegated, 6-in., 75c to \$1.25. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Aspidistras, green, 4-in. dwarf, 25c each; variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

ASTERS.

THE SAWYER ASTERMUM—Eight years of strict selection places it on the mountain top of perfection, in color, size and profit. Price (cash with order), \$8 oz.; \$4.50, ½ oz.; trade pkg., 1,000 seeds (not mixed) \$1. Colors: White, pink and lavender. Send for cuts and description. ALBERT A. SAWYER, Forest Park, Ill.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roebbs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Bay trees. McHutchison & Co., 17 Murray St., New York.

BEGONIAS.

Begonia Lorraine, 2½-in., \$12 per 100; 3-in., \$20. Glory of Cincinnati, 2½-in., \$15; 3-in., \$25. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Begonias, Gloire de Lorraine and Cincinnati in bloom, 5½ and 6-in., 50c to \$1. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

BOXWOOD.

Boxwoods. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwoods. McHutchison & Co., 17 Murray St., New York.

BULBS.

Bulbs, Gladiolus Pink Augusta, \$2.50 per 100; \$20 per 1,000. A few extra selected bulbs, \$2.75 per 100; \$25 per 1,000. Florists' Mixture, \$2 per 100; \$16 per 1,000; White, light and pink, \$2.25 per 100; \$18 per 1,000. Cash. Also Augusta, Francis King, Mme. Monnet, Taft, Klondyke. STEVENS GLADIOLI CO., Saginaw, W. S. Mich.

Gladiolus, America, 1st size, \$3 per 100; \$25 per 1,000; medium \$2.50 per 100; \$20 per 1,000; Mrs. F. King, \$2 per 100; \$18 per 1,000. Spirea clumps, Gladstone, \$5 per 100; Floribunda, \$4; Superba, \$4; Queen Alexandra, \$7. The Storrs & Harrison Co., Painesville, O.

Gladiolus Niagara, large bulbs, \$2.50 per doz. Mrs. Wm. Thompson, dainty pink; Blanche, large white, \$1 per doz. Augusta, Mrs. F. King, \$1.40 per 100. Write for price list. Lillesand, Cambridge, Wis.

Gladiolus America in all sizes. Will exchange for Augusta or Mrs. F. King. Send for quotations. Fletcher Bulb and Floral Co., Valley Junction, Iowa.

Bulbs, liliun multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, bedding hyacinths, white, red and blue, \$1.60 per 100; \$15 per 1,000. James Vick's Sons, Rochester, N. Y.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, hyacinths, narcissus, tulips, gladioli, spreas, dahlias, etc. Warnaar & Co., Sassenheim, Holland.

Spirea, strong clumps, Floribunda, \$1 per doz.; \$7 per 100; Gladstone, \$1.25 per doz.; \$9 per 100. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Bulbs. McHutchison & Co., 17 Murray St., New York.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

CALLAS.

GODFREY CALLAS.

2½-in., \$4.00 per 100.

CONARD & JONES CO.

WEST GROVE,

PENNSYLVANIA.

CANNAS.

IMPROVED CANNAS.

"There can be no question that could the florists see those cannas, they would be in every collection in the country."—John Welsh Young, referring to CONARD & JONES CANNAS.

Mrs. Alfred F. Conard, pink.....\$35.00 per 100
Beacon, red.....20.00 per 100
Gladiolus, variegated.....15.00 per 100
Meteor, red.....25.00 per 100
Rosa gigantea, pink.....25.00 per 100
Wm. Saunders, red, with bronze leaf.....10.00 per 100
Mt. Blanc, near white.....10.00 per 100
Kate F. Deemer, yellow.....35.00 per 100

F. o. b. at headquarters for improved cannas. Write for complete list to

THE CONARD & JONES CO.
WEST GROVE, PENNSYLVANIA.

CANNAS—Fine 2 to 3 Eye bulbs.
Robusta, Cinnabar, mixed, \$1 per 100. Sec. Chabane, \$1.50 per 100. Paul Marquant, \$2 per 100. Mlle. Berat, Pres. Cleveland, \$2.50 per 100. Pennsylvania, C. F. Read, \$3 per 100. Henry George, Chas. Henderson, \$4 per 100. Papa Nardy, Marvel, David Harum, \$5 per 100. King Humbert, \$7 per 100. WAGNER PARK CONSERVATORIES, Sidney, O.

Cannas, C. Henderson, \$2 per 100. Jos. H. Cunningham, Delaware, O.

CARNATIONS.

ROOTED CARNATION CUTTINGS.

150,000 in the following varieties ready for immediate deliveries:

	Per 100	Per 1,000
The Herald, scarlet.....	\$12.00	\$100.00
Rosette, dark pink.....	6.00	50.00
Wodenethe.....	6.00	50.00
Gloriosa, medium pink.....	4.00	35.00
Pink Delight, flesh pink.....	6.00	50.00
Conquest, overlaid pink.....	4.00	35.00
White Wonder, pure white.....	3.00	25.00
White Enchantress, pure.....	3.00	25.00
White Perfection.....	3.00	25.00
Enchantress, flesh pink.....	3.00	25.00
Princess Charming, flesh pink.....	3.00	25.00
May day, deep flesh.....	3.00	25.00
Rose Pink Enchantress.....	3.00	25.00
Washington, dark pink.....	3.00	25.00
(Sport of Enchantress)		

Alvina, very free.....	3.00	25.00
Victory, scarlet.....	3.00	25.00
Scarlet Glow, scarlet.....	3.00	25.00
Bonfire, scarlet.....	3.00	25.00
Beacon, scarlet.....	3.00	25.00
CHICAGO CARNATION CO.		
30 B. Randolph Street.	Chicago, Ill.	

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1,000
Princess Charming.....	\$2.00	\$20.00
Enchantress.....	2.00	18.00
White Enchantress.....	2.00	20.00
Lawson.....	1.50	12.50
White Lawson.....	1.50	12.50
White Perfection.....	2.00	18.00
Winsor.....	1.50	12.50
Victory.....	1.50	12.50
Bonfire (finest red).....	3.00	25.00
WIETOR BROS.,		
162 N. Wabash Ave.,	Chicago, Ill.	

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1,000
Benora, variegated red and white.....	\$5.00	\$40.00
Enchantress.....	2.50	20.00
White Enchantress.....	2.50	20.00
Rose-pink Enchantress.....	2.50	20.00
White Wonder.....	2.50	20.00
Beacon.....	2.50	20.00
Satisfaction guaranteed.		

SCHARFF BROS., VAN WERT, O.

CARNATION CUTTINGS.

For February delivery.

	Per 100	Per 1,000
Wodenethe.....	\$6.00	\$50.00
White Wonder.....	4.00	35.00
White Enchantress.....	3.00	25.00
Enchantress.....	3.00	25.00
Beacon.....	3.00	25.00
Rose Pink Enchantress.....	2.50	20.00
J. D. THOMPSON CARNATION CO.		
JOLIET, ILL.		

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Carnations, Enchantress, Lawson, Winsor, White Enchantress, White Perfection and Beacon, \$2.20 per 100; \$20 per 1,000. May Day and Scarlet Glow, \$3 per 100; \$25 per 1,000. Gloriosa and Mrs. Ward, \$3 per 100; \$27.50 per 1,000. Poeblmann Bros. Co., Morton Grove, Ill.

Carnations, Northport, Commodore, Enchantress, Supreme and Salmon Beauty, \$12 per 100; \$100 per 1,000. Chas. H. Totty, Madison, N. J.

Carnations, Enchantress, Rose Pink Enchantress, May Day, Mrs. C. W. Ward, Western White Enchantress, White Enchantress, Wonder, Lady Bountiful, Queen Louise, White Perfection, O. P. Bassett, \$3 per 100; \$25 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, Rosette, St. Nicholas, Benora, \$6 per 100; \$50 per 1,000. Beacon, \$3.50 per 100; \$30 per 1,000. White Enchantress, White Perfection, Mrs. C. W. Ward, May Day, \$3 per 100; \$25 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

ROOTED CARNATION CUTTINGS.
We have 25,000 Enchantress and White Enchantress at \$18 per 1,000. Write for special prices on large lots.

SINNER BROS., Chicago, Ill.
82-84-86 East Randolph St.,

Carnations, Rosette, St. Nicholas, Benora, \$6 per 100; \$50 per 1,000. Gloriosa, \$4 per 100; \$30 per 1,000. White Wonder, White Perfection, White Enchantress, Enchantress, Rose Pink Enchantress, Scarlet Glow, Mrs. C. W. Ward, Bonfire, \$3 per 100; \$25 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

"Colorado Grown Plants Beat Them All."
Rooted Carnation Cuttings for present or later delivery. White Enchantress, Mrs. C. W. Ward, Beacon and Bassett, \$3 per 100; \$25 per 1,000. Pink Enchantress and Victory, \$2.50 per 100; \$20 per 1,000. Winsor and White Lawson, \$2 per 100; \$15 per 1,000. Cash or reference. ELITCH-LONG GREENHOUSES, Denver, Colo.

Carnations, rooted cuttings, strong, healthy stock out of sand: Winsor, Victory, \$1.50 per \$100; \$13 per 1,000. White Perfection, Pink Enchantress, \$2 per 100; \$17 per 1,000. White Enchantress, \$2.50 per 100; \$20 per 1,000. 250 at 1,000 rates. Cash or C. O. D. NORTH-WESTERN FLORAL CO., Gross Point, Ill.

ROOTED CUTTINGS. 10,000 Winsor Carnation Cuttings, strong, healthy side cuttings at \$2 per 100; \$15 per 1,000. La Crosse Floral Co., La Crosse, Wis.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25; \$5; 50; \$7; 100; \$12; 1,000. \$100. Dailedouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

Carnations, chrysanthemums, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Comfort carnation cuttings, \$4 per 100; \$30 per 1,000. S. M. Merwarth & Bros., Easton, Pa.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, all the leading varieties. For prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums, rooted cuttings, Golden Glow, Oct. Frost, Pacific Supreme, Major Bonafon, \$1 per 100; Chas. Razer, best white, \$1.50 per 100. Edward Wallis, Berlin, N. J.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, rooted cuttings. Erie Floral Co., Erie, Pa.

CLEMATIS.

Clematis Jackmanii, extra strong, 5-in., 35c each; \$4 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, G. Bedder, 2-in., \$2.50 per 100; Verschaffeltii, 2-in., \$2.50; Beckwith's Gem, 2-in., \$2.50; Pfister, 2-in., \$2. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Coleus, 10 vars., 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus. A. N. Pierson, Inc., Cromwell, Conn.

Coleus. A. M. Herr, Lancaster, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEUM, finest strain in existence, including GLORY OF WANDSBECK, finest salmonine, orchid flowering, Rocco; strong transplanted seedlings, \$3.00 100; \$25.00 1,000. Cash, please.

Robert & Radke, Maywood, Ill.

Cyclamen Persicum, 4-in., 20c and 25c each; \$20 and \$25 per 100; 5-in., 35c each; 6-in., 50c. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Cyclamen giganteum, choicest mixture, in bud, 3-in., \$5.50 per 100; 4-in., \$11 per 100. Cash. John Bauscher, Jr., Freeport, Ill.

Cyclamen, 4 and 5½-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

Dahlia roots, individual clumps, from the field, \$12 per 100 for named varieties; mixed varieties, \$8 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Dahlia, 100,000 field-clumps; 100 varieties of cream. Get list. Benj. Connell, Florist, Merchantville, N. J.

Dahlia, standard and new cut flower varieties. Lindhurst Farm, Hammonont, N. J.

Dahlia, named sorts, \$1.25 per 100; list free. C. W. Hoffman, route 13, Dayton, O.

DAISIES.

Daisies, Mrs. F. Sander, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

DRACAENAS.

Dracena fragrans, 3-in., \$1.50 per doz.; 4-in., \$3 per doz.; 5 and 6-in., 75c each. Indivisa, 2-in., \$3 per 100; 3-in., \$5; 4-in., \$10; 5-in., \$20. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Dracena terminalis, 4 and 4½-in., 25c to 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

EUONYMUS.

EUONYMUS VARIEGATA RADICANS
JAPONICA,
2½-in. pots, 5c.
3 and 4-in. pots, 10c.
CONARD & JONES CO.
WEST GROVE, PENNSYLVANIA.

FERNS.

DWARF FERNS FOR FERN DISHES.

These dwarf ferns are used by the hundreds of thousands to fill dishes for table decorations. Our sales each year exceed fifty thousand plants. Our stock is in prime condition, ready to use at once. We offer 9 choice varieties, 50c per doz.; \$3.50 per 100; \$30 per 1,000.

Pteris cretica Wilmsetti.
albo-lineata Mayi
Wilson Victoria
Pteris multiceps Sieboldii.
Aspidium thussimense.

Cyrtium falcatum or holly fern.

Our catalogue of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

Largest rose growers in the world.
Box 18. SPRINGFIELD, O.

Ferns, Scottii, Whitmani, Schozeli, Boston, Giatrasi, 5½ to 7-in., 30c to \$1 each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ROOSEVELT FERNS.
2½-in., \$6.00 per 100.
CONARD & JONES CO.,
WEST GROVE, PENNSYLVANIA.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitmani Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

BOSTON FERNS. 2½-in., \$2.50 per 100; 4-in., \$15 per 100; 5-in., \$25 per 100. All pot-grown; the kind that will make you money. Cash. C. L. Humphrey, Zanesville, O.

Ferns. For prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

FERNS FOR DISHES. assorted, \$3 per 100; \$25 per 1,000. ROBERT & RADKE, Maywood, Ill.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Ferns for dishes, assorted, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rates. Frank Oechslin, 4911 W. Quincy St., Chicago.

Small ferns, 2½-in., \$3.50 per 100; \$30 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Ferns, Boston. For sizes and prices see advertisement on front cover page. Vaughan's Seed Store, Chicago and New York.

Boston ferns, 25c; Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica, 4-in., 35c each; 6-in., 50c. Pandurata, 6, 7 and 8-in., \$1.50 to \$3.50 each. Repens, 2½-in., 50c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus elastica, 5½ and 6-in., 30c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

Geraniums—Good, healthy, fall rooted plants from 2½-in. pots at \$3 per 100; \$27.50 per 1,000 except where noted: Beaute Poitevine, Marq. de Castellane, S. A. Nutt, Jean Vlaud, La Favorite, A. Ricard, Mme. Landry, Mrs. E. G. Hill, Albion (single white) Mms. Barney, Heteranthe, E. H. Trego, M. Jaulin, Red Wing, 6c each. Our new catalogue will be ready January 1st. Send for a copy of same. THE GOOD & REESE CO., Box 18, Springfield, O.

NEW AMERICAN BEAUTY.

For the first time we are offering this wonderful new geranium to our many customers. Write for colored cut and prices on large lots, 2½-in. pots, 50c; \$5 per doz.

JOHN BAUSCHER, JR. Freeport, Ill.
Arcade Addition.

Geraniums, S. A. Nutt and La Favorite, short stock plants 2½-in., \$2.50 per 100; \$22.50 per 1,000. Strong heavy S. A. Nutt, 2½-in., \$3 per 100; \$25 per 1,000. Rose geranium, 2½-in., 3 cents. Mme. Sallerioi, extra strong plants, 2-in., \$2 per 100; \$18 per 1,000. ROBERT & RADKE, Maywood, Ill.

ROOTED GERANIUM CUTTINGS.
The "BIG FOUR" bedders, S. A. Nutt, (dark red), Gen. Grant, (best bright red), Mme. Buchner, (only dbl. white), \$1.50 per 100; \$14 per 1,000. Beaute Poitevine, (salmon), \$1.75 per 100; \$16 per 1,000. Cash. THE W. T. BUCKLEY CO., Springfield, Ill.

GERANIUMS.
Mme. Sallerioi, 2-inch, \$2 per 100; \$18 per 1,000.

EDW. DOEGE CO., Chicago, Ill.
4344 N. Springfield Ave.

GERANIUMS, 2-in., Ricard, \$2.50 per 100; 2½-in. Ricard, \$3 per 100; 3-in. red, mixed, \$5 per 100. Ready now. Cash. C. L. Humphrey, Zanesville, O.

Geranium Scarlet Bedder, \$1.50 per ten; \$12.50 per 100; \$100 per 1,000. Elmer D. Smith & Co., Adrian, Mich.

Geraniums, Ricard and Poitevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, S. A. Nutt and four others, \$25 per 1,000; \$3 per 100. Mme. Buchner, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, rooted cuttings, S. A. Nutt, double, Clifton, single, same color as Nutt, \$15 per 1,000. H. P. Gerhardt, Wilmette, Ill.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerioi, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns, Caldwell the Woodsman Co., Evergreen, Ala.

Greens, bronze galax, \$3.50 per case of 10,000. Dagger ferns, \$3 per case of 5,000, cases of 10,000, \$5.50. Long moss, \$1 per 2 bu. bag. Aaron Buchanan, Hawk, N. C.

Greens, ferns, \$1.35 per 1,000; 2,000, \$2.00; 5,000 or more, \$1.20 per 1,000. Robert Groves, 127 Commercial St., Adams, Mass.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Palm leaves, ferns and mosses. Friedrich Kohlschreiber, Hamburg 24.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

HYDRANGEAS.

New forcing HYDRANGEA ARBORESCENS GRANDIFLORA ALBA or H. of Snow. For forcing or immediate sales. 1-yr. field-grown, 12 to 18 inches, 2 canes, \$1.25 per doz.; \$8 per 100; \$75 per 1,000. Select, 2 to 3 canes, \$1.50 per doz.; \$10 per 100; \$90 per 1,000. 2-yr. field grown, 18 to 24 inches, 2 to 3 canes, \$2 per doz.; \$14 per 100; \$120 per 1,000. Our catalogue of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.
Largest rose growers in the world.
Box 18. SPRINGFIELD, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Hydrangeas, pot-grown for forcing, in 6-in. pots. Otaksa, 5 and 6 branches, \$20 per 100; 4 branches, \$16; 3 branches, \$12; 2 branches, \$10. Thos. Hogg, 5 and 6 branches, \$20; Souv. de Claire, 7 and 10 branches, \$25. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

IVIES.

ENGLISH IVY,
2 1/4-in. pots, \$5.00 per 100.
CONARD & JONES CO.
WEST GROVE, PENNSYLVANIA.
English ivy, strong, 3-in. stock. Write for prices. C. L. Reese, Springfield, O.

JERUSALEM CHERRIES.

Jerusalem cherries, 6-in., 25c and 35c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the valley. Grow Bruns' celebrated Chicago Market the finest forcing valley in America, \$18 per 1,000; \$9.50 per 500; \$5 per 250; Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MANETTI.

Manetti stocks, English-grown, 5-8 m-m, \$12 per 1,000; 3-5 m-m, \$10 per 1,000. Jackson & Perkins Co., Newark, New York.

MOSS

Just received a carload of MOSS, which will be sold at the right price. Call Lawndale 1834.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

Sphagnum moss. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom spawn. Lambert's Pure Culture. American Spaw Co., St. Paul, Minn.

NURSERY STOCK.

SHRUBBERY.

There are bargains to be had here in such varieties as spiraeas, altheas, weigelas and philadelphus, and this names only a few. We have acres of shrubs, well grown and ready for you. Write for price list.

The Conard & Jones Co., West Grove, Pa.
Nursery stock, large trees, oaks, maples, limes and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

ONION SETS.

Choice cleaned ONION SETS, red, \$1.50; white, \$2; yellow, \$1.40 per bushel of 32 lbs. J. C. Zaplewski & Co., Growers, Norwood Park, Ill.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Osmundine (Osmunda fibre or orchid peat.) The C. W. Brownell Co., Walden, N. Y.

PALMS.

Palms, Kentia Fors., single, 25 to 50 ins. high, 75c to \$2.50. Made-up, \$2.50 to \$4. Belmoreana, 6-in. 50c to 75c; 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncoke, Pa.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms. McHutchison & Co., 17 Murray St., New York.

Palms. Storrs & Harrison Co., Painesville, O.

PANSIES.

Pansy plants, giant flowering, small plants, \$2.50 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

POINSETTIAS.

POINSETTIAS, stock plants, 2 and 3-year-old, \$5 per 100. Cash with order. Rose Hill Nurseries, New Rochelle, N. Y.

Palms of all kinds. For prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

PRIMULAS.

Primula Obconica grandiflora and Chinese, 5 1/4-in., \$2 and \$2.50 per doz.; 4-in. Obconica, 10c and 15c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primulas, 2 1/2-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Primula Obconica, 3-in., \$4 per 100 cash. John Bauscher, Jr., Freeport, Ill.

ROSES.

ROSES. Fine healthy stock, 2-inch, Helen Gould, Mrs. B. R. Cant, Pink and White Cochet, Gruse on Teplitz, Wellesley, Etoile de France, Mme. A. Chateau, Kaiserin, Duc de Brabant, Vis. Foldestone, Hermosa, Pink, Red and White La France, Mrs. De Graw, Burbank, Champion of World, Mrs. S. McKee, Apricot, Deegan, Glo. Exp. Bruzells, 2-in., \$3 per 100. Bride, Bridesmaid, Clo. Souper, S. de P. Notting, M. Lambert, Coq. des Blanchés, Emp. China, Climbing Clo. Souper, 2-in., \$2.50 per 100. Our selection of varieties all labeled true to name, \$20 per 1,000. ORDER NOW. WAGNER PARK CONSERVATORIES, Sidney, O.

ROOTED ROSE CUTTINGS.

	Per 100	Per 1,000
Pink Killarney.....	2.50	20.00
White Killarney.....	2.50	20.00
Richmond.....	2.00	18.00
My Maryland.....	3.00	25.00

Ready now. Satisfaction guaranteed.

GEORGE REINBERG.

162 N. Wabash Ave. Chicago, Ill.

Rose, Irish Fire Flame, grafted stock, \$35 per 100; \$300 per 1,000. Own roots, \$30 per 100; \$250 per 1,000. Budlong's Double White Killarney and Sunburst, \$20 per 100; \$150 per 1,000. Killarney, Waban White Killarney, My Maryland, Mrs. Aaron Ward, Lady Hillingdon, \$15 per 100; \$120 per 1,000. Robt. Scott & Son, Sharon Hill, Del. Co., Pa.

Rose, Mrs. Chas. Russell, price on grafted stock, per 12, \$7.50; per 100, \$35; per 250, \$82.50; per 500, \$150; per 1,000, \$300; per 2,500, \$887.50; per 5,000, \$1,250. Waban Rose Conservatories, Natick, Mass.

Roses, grafted and own root. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Rose, Mrs. George Sawyer and Milady, \$30 per 100; \$250 per 1,000. Chas. H. Totty, Madison, N. J.

Roses. For varieties and prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Roses. 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

ROOTED CUTTINGS.

Rooted cuttings, Ageratum, Stella Gurney, 60c per 100. Daisy, Mrs. F. Sander, \$1 per 100. Hydrangea Otaksa, \$1 per 100; Vinca Var., 75c per 100. Edward Wallis, Berlin, N. J.

SEEDS.

THE SAWYER ASTERMUM—Eight years of strict selection places it on the mountain top of perfection, in color, size and profit. Price (cash with order), \$8 oz.; \$4.50, 1/2 oz.; trade pkg., 1,000 seeds (not mixed), \$1. Colors: White, pink and lavender. Send for cuts and description. ALBERT A. SAWYER, Forest Park, Ill.

Seeds, carrots, lettuce, onion, radish, beet, parsley, parsnip, salsify, sweet peas, mustard, celery, endive. California Seed Growers' Association, Inc., San Jose, Calif.

Flower seeds. For varieties and prices see advertisement elsewhere in this issue. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Seeds, cauliflower, white Tripoli onion, (crystal wax) and all other vegetable and flower seeds. Danmann & Co., San Giovanni a Teuccio near Naples, Italy.

Seeds, Asparagus plumosus nanus, new crop northern greenhouse grown, ready. Vaughan's Seed Store, Chicago and New York.

Seeds, beets, cabbage, carrot, celery, lettuce, onion, parsley, radish, rutabaga, turnip. Denaille & Son, Carignan, France.

Seed, perennial rye grass, \$3.75 per 100 lb. bag. Avenue Floral Co., 3442 St. Charles Ave., New Orleans, La.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, specialties: Beets, mangoes, carrots, cabbages, celeries, parsleys, parsnips, turnips, R. & M. Godineau, Angers, France.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohmert, Gilroy, Calif.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, lawn grass. J. Oliver Johnson, 1874-76 Milwaukee Ave., Chicago.

Seeds, Wm. Henry Maule, 1707-11 Filbert St., Philadelphia.

Seeds, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, garden and flower. S. D. Woodruff & Sons, 82-84 Dey St., New York.

Pedigree seeds. Watkins & Simpson, Ltd., 12 Tavistock St., Covent Garden, London, England.

Seed, watermelon, 1913 contracts for the trade. Hugh M. Taylor, Lloyd, Fla.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Ratekin's Seed Corn. Ratekin's Seed House, Shenandoah, Iowa.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, German flower seeds. Frederick Roemer, Quedlinburg, Germany.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, Japan clover, Bermuda onion seed, Chris. Reuter, New Orleans, La.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Braslan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vick's Sons, Rochester, N. Y.

SHAMROCKS.

Shamrocks, true Irish, 1 1/4-in., pots, \$3 per 100; \$25 per 1,000. Strong plants in 1-in. pots with saucer, \$4 per 100; \$35 per 1,000. Frank Ochslin, 4911 W. Quincy St., Chicago.

SMILAX.

Smilax Seedlings, surplus stock, very fine, 45c per 100; \$4 per 1,000. Cash please. L. B. Coddington, Murray Hill, N. J.

Smilax, 3 times cut back, 2 1/4-in., \$2 per 100 cash. John Bauscher, Jr., Freeport, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

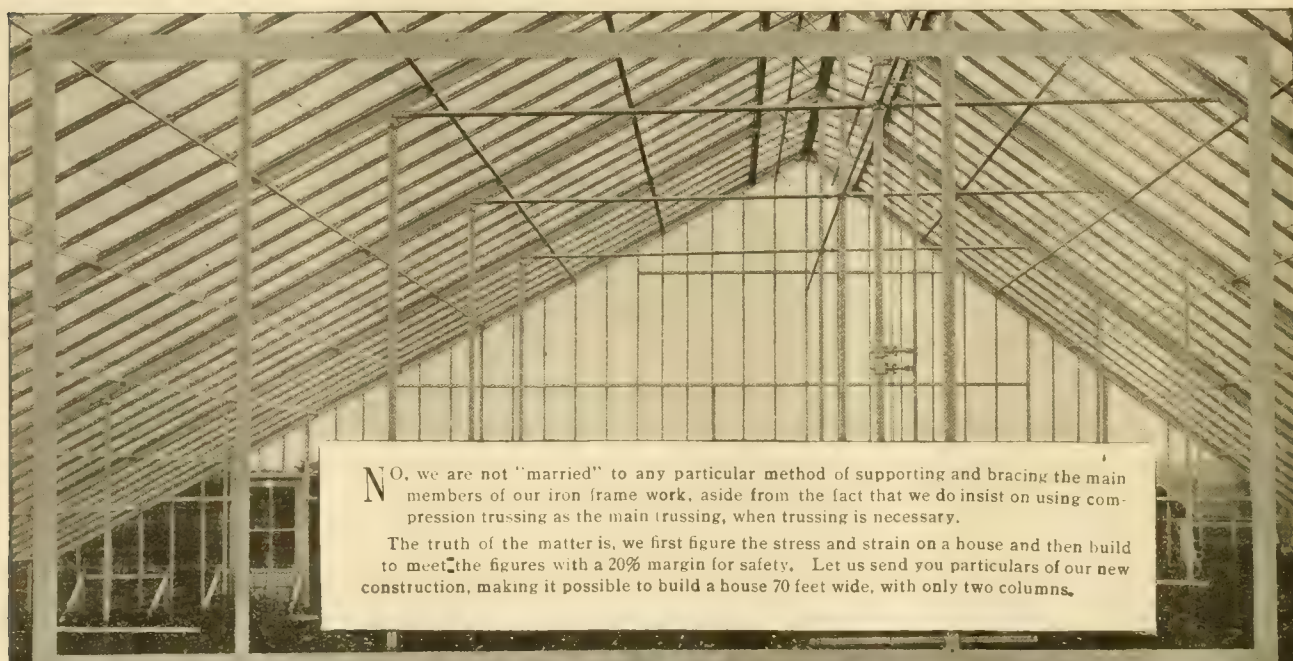
Smilax. Wood Bros., Fishkill, N. Y.

VEGETABLE PLANTS.

Vegetable plants, Early Giant Argenteuil asparagus roots, \$2.50 per 1,000 in 10,000 or more lots. Frost proof cabbage plants, Jersey Wakefield, Charleston, Wakefield, Early Spring, Flat Dutch. All Seasons, Succession, Late Flat Dutch. 75c per 500; \$1 for 1,000; 85c per 1,000 for 5,000 or more. Alfred Jouannet, Mount Pleasant, S. C.

We grow cauliflower, egg plant, peppers, lettuce, cabbage, tomatoes and parsley. See our other advt. FRANKLIN PLANT FARM, Inc., Frank Bruton, Pres. and Mgr., P. O. Box 964, Norfolk, Va.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.



NO, we are not "married" to any particular method of supporting and bracing the main members of our iron frame work, aside from the fact that we do insist on using compression trussing as the main trussing, when trussing is necessary.

The truth of the matter is, we first figure the stress and strain on a house and then build to meet the figures with a 20% margin for safety. Let us send you particulars of our new construction, making it possible to build a house 70 feet wide, with only two columns.

Hitchings & Co., New York Office: 1170 Broadway.
Factory: Elizabeth, N. J.

Vegetable plants, Grand Rapids and Tennis Ball lettuce, \$1 per 1,000; 5,000 lots, 90c per 1,000; 10,000 lots, 80c per 1,000. Franklin Plant Farm, Inc., R. F. D. 2, Norfolk, Va.

VINCAS.

Vincas, 2-in., \$3 per 10; 4-in., \$1.75 per doz.; \$15 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Vinca variegata and green, strong, well rooted cuttings. Sample on request. Better hurry. \$5 per 1,000. D. E. Adsit, Jamestown, O.

Vinca Var., R. C., from sand, good stock, 70c per 100; \$6.50 per 1,000. Cash. Brill Celery Gardens, Kalamazoo, Mich.

TO EXCHANGE.

Will exchange 1,000 Rose Pink Enchantress, 2-in. stocky plants, for 1,250 R. C. Beacon, Bonfire or Victory. The Nussbaumer Floral Co., San Angelo, Texas.

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SUPERIOR CARNATION STAPLES.

Mend your split carnations. Finest article for carnation growers introduced so far, 50c for 1,000, postage paid.

MICHIGAN CUT FLOWER EXCHANGE.

38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

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MATS.—We make not only the most practical but the cheapest HOTBED and COLD FRAME MATS on the market. A large per cent of our orders come from gardeners and florists who have tried them and are pleased. Our mats are in use in Iowa, Ill., Ind., Ohio, Minn., Wis., Mich., New York, Maine, Mass., Conn., R. I., N. J., Va., W. Va., and Pa. Also in British Columbia and Ont., Canada. Send for circular. WATTS BROS., Kerrmoor, Pa.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK and TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Peerless Refrigerators for florists. Jac. Lederer, 644-48 W. Madison St., Chicago.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

STAKES.

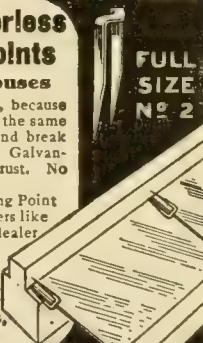
Cane Stakes, Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

Dreer's Peerless Glazing Points
For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.
HENRY A. DREER,
714 Chestnut Street,
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We are leaders. Large stock, good prices.

SHARP, PARTRIDGE & CO.

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Greenhouse Boilers and Construction Material

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IS FAR MORE DURABLE THAN PINE.

CYPRESS SASH BARS
UP TO 32 FEET OR LONGER.

GREENHOUSE
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Made in 9 Sizes.

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Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{8}$ and $\frac{1}{2}$. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade

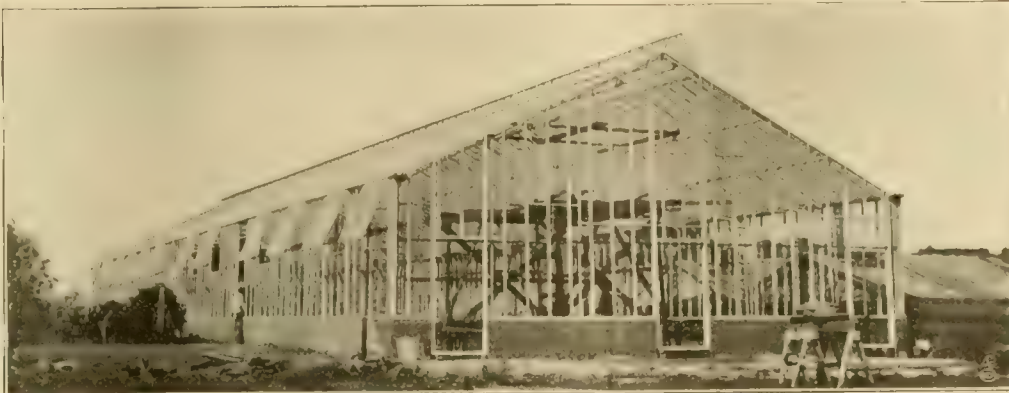
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Make one which represents \$100.00 for every \$100.00 put into your establishment.

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It Lasts.



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BUFFALO WHITE (Semi-Paste)
Most Perfect White Paint Made.

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WILKS' Hot Water Boilers ARE THE MOST ECONOMICAL Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

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A "RED DEVIL" WITH SEVEN WHEELS



A magazine cutter with a hardwood handle in which are six extra steel wheels. A reserve wheel always ready in case of accident. A "Red Devil" glass cutter you should have in your greenhouse for cutting any kind of glass—your local hardware man sells them. Ask for "Red Devil," No. 5, but get the genuine. Send us ten 2c stamps and we will send you ONE only as a sample.

SMITH & HEMENWAY CO.,
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for Hot-beds
and Cold-frames

Double-Glass Double Profits

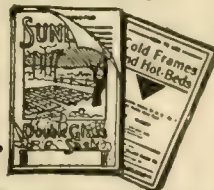
The old single layer hot-bed sash are far better than none; but they must be covered with mats, boards or shutters every evening and uncovered every morning. They are wasteful.

The new **SUNLIGHT DOUBLE GLASS SASH**, with two layers of glass enclosing an air space, are **COMPLETE IN THEMSELVES**. They eliminate all extra covers; they wipe out half the labor cost; they admit all the light by day to store warmth in the bed and then save the warmth at night.

They make plants earlier and stronger. They double final profits.

Every practical gardener or florist will see the value of this.

And it is good business for you to get our free catalog for full information. Write your address plainly and send it today; the hot-bed season is not far off. Prof. Massey's booklet on Hot-beds and Cold Frames sent for 4c in stamps.



Sunlight Double Glass Sash Co.

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The double layer of glass does it

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books today.

GREENHOUSE GLASS

Superior Quality and Right Prices.

Let Us Quote You. We Can Save You Money.

Baur Window Glass Co., EATON,
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*The Insecticide that
kills plant Lice
of every species*

The Recognized Standard Insecticide.
Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Unlike Bordeaux and lime, and sulphur it does not stain the foliage, but cleanses it.

75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and vermicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used 1 part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

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Aphine Manufacturing Co.

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Spraying Recipes FREE

A book every Florist, Nurseryman and Seedman should send for. It tells when, how and what to use when spraying.

It also describes the Anti-Klog, "The Sprayer of Many Uses."

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**VAUGHAN'S SEED STORE, Chicago
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Chicago, Ill.**

*green Flies and
Black ones too*

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

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FLOWER COLORS

Use our Color Chart in describing them.

PRICE, \$1.00, POSTPAID.

AMERICAN FLORIST CO.

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Say Fellers
Gee! but my Pa is happy
This Winter. No more Boiler troubles
Pa put in a New Model
KROESCHELL BOILER
and he says

**HE WILL SAVE AT LEAST TWO CARLOADS COAL
BOYS THAT'S SOME BOILER**

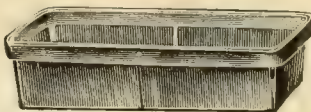
Saved Two Carloads of Coal; Does Not Need to Fire Boile
from 11 p. m. to 6 a. m.

Your No. 9 Boiler is heating my entire range and will easily take care of 5000 square feet more. With the thermometer 18 degrees outdoors, fire at 11 p. m. and not again until 6 a. m. The boiler surely is giving me perfect satisfaction. I have used one steam and five hot water boilers. I like your boiler and cannot keep still when I meet a brother florist, but must tell him about your boiler and how much it has saved me in coal bills. With my best boilers I required four to five carloads of coal to heat the same space which is now heated by your boiler with about three carloads of coal. You for another boiler when I have to buy again.

H. M. HUMFELD, Frankfort, Ind.

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PANSY and VERBENA BASKETS



Small size, measure 9 inches long, 6 inches wide, 3 inches deep, put up 500 in crate, per 1000.....\$ **9.00**

Large size, measure 13 inches long, 7½ inches wide, 4 inches deep, put up 250 in a crate, per 1000..... **15.00**

Detachable wire handles for either of the above, per 1000..... **2.00**

Orders entered now either for immediate or future shipment.

Have the other sizes. Send for descriptive circular.

COLES & CO., 109-111 Warren Street, NEW YORK.

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**Pulverized or Shredded
Cattle Manure**

Pulverized

Sheep Manure

Unequalled for Greenhouse Fertilizing.

Ask for Grower's Booklet.

THE PULVERIZED MANURE CO.

32 Union Stock Yards, Chicago

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PERFECTION
SIZE 2½
SIZE 2
POINT

No. 2. Large single thick glass.

No. 2½. Double thick.

Price, per 1000, 55c;

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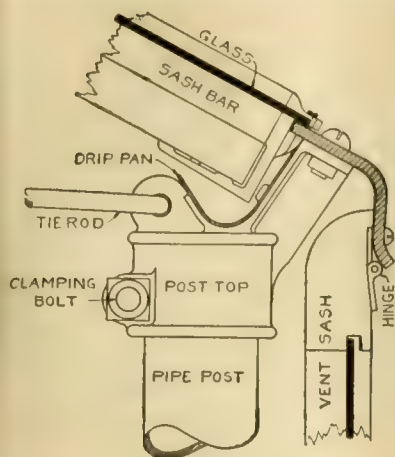
by express, \$2.50.

VAUGHAN'S

SEED STORE

Chicago, New York

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CURVED IRON EAVE STYLE "S"

This Eave is intended for use on detached houses with either fixed glass or side sash. It is practically all exposed to the inside heat of the greenhouse and so is ice clearing.

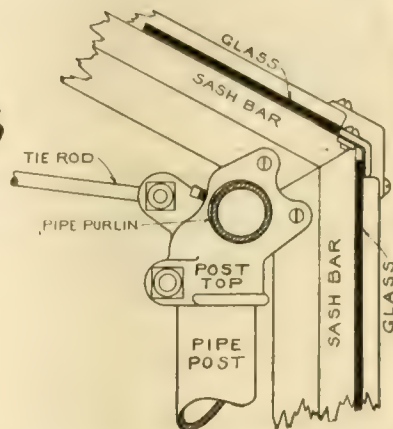
KING GREENHOUSE EAVES

They solve the Eave problem. They make the least possible shade. And, as you can see, present no surface for icicles to form on. They have great strength with lightness. They are designed and made for the purpose and not adapted from stock structural shapes. We want to figure with you.

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7 Water Street, Boston, Mass.



CURVED IRON EAVE STYLE "L"

This Eave, although lighter than Style "S", is amply strong for all eave purposes. It obstructs little light and is ice clearing in the most severe weather. It is intended for use with fixed glass only.

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Built Exclusively for Florists

Write for Special Designs and Prices

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For GREENHOUSES

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Quality A No. 1. Prompt shipments.

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The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

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WHOLESALE GLASS AND PAINTS,

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Near Des Plaines St.



Ventilating Apparatus, Greenhouse Fittings.

Let us figure with you on the necessary Ventilating Equipment for your greenhouses. We have a line that is being used in all the modern houses today. Why? Because these leading florists have given our goods severe tests and have found them to be entirely satisfactory under every condition.

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WRITE FOR PRICES.

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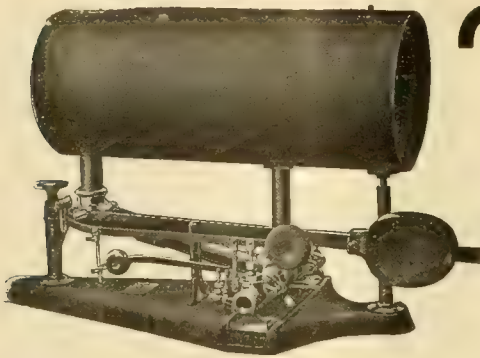
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—there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

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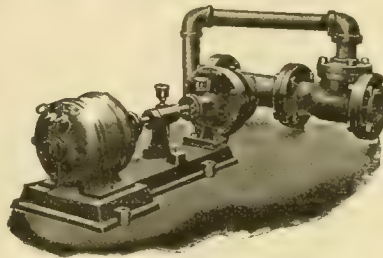
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Vol. XL

CHICAGO AND NEW YORK, FEBRUARY 22, 1913.

No. 1290

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address; Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada, \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August 3, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

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Annual convention and exhibition at Chicago,
November, 1913. CHARLES H. TOTTY, Mad-
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SUGGESTIONS FOR PLANT GROWERS.

Spireas.

The spireas for Easter should now be throwing up the spikes of bloom from the foliage and will be in a good light location. While these plants are always regarded as one of the cheaper plants for Easter, and will not return enough for space occupied in a warm house, still there will always be a demand for them, especially for church decorations, and if they are not forward enough will have to be given a warm location to have them in bloom. They are rather slow in coming into flower, so will have to be well timed to have them in the best of condition. This plant requires plenty of water, no matter where grown, and in a warm house will need frequent waterings. Keep the plants well spaced out as they grow, for where crowded, poorly shaped plants and bad foliage is often the result and it is the glossy foliage of this plant that is greatly admired. Do not fumigate with tobacco smoke when the foliage is young, for it quickly burns the tender leaves, and if they are in a house that requires fumigation remove them or cover closely with papers. Spraying with nicotine solutions or fumigating with nicotine papers will not injure them.

Lilacs for Easter.

A large variety of blooming plants can be grown for Easter, and dwarf, shapely lilacs are appreciated by all flower lovers, and the cut sprays have now become a standard winter flower. For the pot plants the imported budded stock is preferable, but for cut blooms any lilac may be lifted and they force quickly and easily in a warm house. The varieties most grown for pot plants are Marie Lagraye white and Charles X purple. Four weeks in a temperature of 65 degrees will bring them into flower. The plants when placed in the greenhouse should be syringed several times a day in order to assist the buds to swell and kept in a dark place. As soon as the buds begin to open the plants can be placed in full sunlight. The common lilac can be forced in the same manner. A bush which is well set with flower buds, and these are easily distinguished from the leaf buds, can be lifted and planted in a bench

and will furnish fine sprays of flowers. If the plant is kept shaded from the sun by spreading a heavy cloth over it the flowers of the purple varieties will be white when forced. The plants will require plenty of water, for they make but little root growth and bloom upon the vitality which has been stored.

Rambler Roses.

The plants of rambler roses that are intended for Easter blooming should now be showing color and if they are not, they will require quite a little forcing to have them in the best of condition for that date. If the plants are at all potbound, watering with liquid manure will be of great assistance to them and stimulate the flowers and make them much larger and an addition of soot to this will intensify the color. The plants will often when setting the buds make long growths from the base of the plants; these should be cut out, for they are taking much strength that should go into the flowers. These canes can be made into cuttings and propagated and will make small plants for next year's growing or can be planted outside and grown on for stock for the future.

There is always a good demand for well-grown pot ramblers for Decoration day and early June, and plants started now will be in the best of condition at that time. They can be started in a cool house and frequently syringed until the eyes break, when they can be moved into warmer quarters and full sunlight. For June decoration there is nothing better in blooming plants than Crimson Rambler and the other rambler roses and hydrangeas; they make a beautiful combination and are also very decorative for porches.

Azalea Mollis.

One of the showy plants grown for Easter is the Azalea mollis, for the flowers are of those peculiar shades of red, yellow and orange that are not found in other plants. They can be forced very quickly, for the plants have stored up nutriment enough to produce their flowers, and they make but little foliage and but few roots. Three weeks in a temperature of 60 degrees will

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bring them into bloom at this season, but the flowers will be of better substance and color if the plants are grown a little cooler and given more time. Careful handling of the plants is necessary for the buds are very brittle and easily broken off. Pot firmly in a pot just large enough to take the clump of roots, and water heavily. Frequent spraying until the flowers show color will be required, and when the blooms unfold, the bright coloring is better held and intensified, by moving the plants into a cool temperature and the watering reduced.

Fish-Scrap Fertilizer.

Artificial fertilizer is divided into three general classes, that supplying nitrogen, that supplying phosphoric acid, and that from which potash is obtained. In the United States compounded commercial fertilizer usually contains all three ingredients and to a considerable extent is applied rather indiscriminately with little regard to the particular needs of the soil or the crops. The world's supply of potash is obtained largely from Stassfurt, Germany, and phosphoric acid is derived mostly from bone, mineral phosphates, and phosphatic, basic, or Thomas slag. Nitrogen, the most costly ingredient of the fertilizers, is derived from organic matter, ammonium salts, and nitrates. Of the organic matter used in the United States cottonseed meal has been the most important, tankage and slaughterhouse products next, and fish scrap third (plowing under legumes not being considered in this treatment of the subject). Cottonseed meal, however, is coming to be very largely used as a cattle feed and is consequently becoming too expensive for fertilizing

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Sibley's Unique Decoration.

Chas. W. Sibley of Athol, Mass., has utilized one of nature's own arrangements in a unique decoration scheme, as shown in the accompanying illustration. While hunting ferns in the woods near his home town Mr. Sibley found a thrush's nest built on a fern with nothing else to support it. He left the fern and the nest as he found them, and two broods were hatched out last summer. In the fall Mr. Sibley returned and took up the fern with the nest still intact. He made some artificial eggs and crayoned them to look like the real ones. He has used the same fern, nest and eggs in two different decoration arrangements and his idea has proved very attractive. He expects to return the fern and the nest in the spring and endeavor to coax the birds back again. The picture was taken in the deep shade of the woods.

A Beautiful Floral Urn.

SEE SUPPLEMENT WITH THIS ISSUE.

Just when or how the urn originated as a floral design would be hard to say, but probably it was first used as a funeral decoration. It is still quite popular in this connection, but its popularity does not stop here, as it is used for almost every occasion where flowers themselves are used in a decorative way. The supplement to this issue is a good example of what taste and correct judgment may do along this line. White carnations are

the loose, slip-shod effect must be avoided, and on the other care must be exercised to steer clear of the lumpy effect too often noticed where the flowers are not arranged as they should be. Each flower should show plainly and none should be crowded by the others. A bow of ribbon to match is often used with good effect. If it is used at all it should be broad and not too tightly tied. There should be sufficient foliage to set off the flowers. Oftentimes a garland or spray of flowers may be substituted for the ribbon.

Valentine Week in the Chicago Stores.

In one respect flowers are like music: they both speak a language of the heart that is at once personal and universal, or capable of conveying an individual sentiment and at the same time appealing to a common taste and imagination. Equally well music charms all listeners—and the corsage carried on St. Valentine's day is equally expressive of the donor's admiration while it delights every beholder with its own intrinsic loveliness. To have noted some of the very beautiful displays during the week one could not help but value the beauty and thought displayed by some of our leading florists. Beautiful weather gave the florists a great boom for flowers in great abundance and a great variety were seen everywhere. The only note of scarcity seemed to be in Killarney roses, while the spring blooms were out in great quantity and of a very good quality.

The Fleischman Floral Co. displayed some very beautiful red azaleas and red tulips and their fine show windows were resplendent with pans of spring flowers of the choicest varieties. The white lilac trees were prettily finished with ribbon bows—especially those having long ungainly branches had the branches entwined with ribbon—each branch having its small rosette of ribbon. It was a very pleasing and attractive innovation. Featuring red azaleas and red tulips was prettily appropriate for St. Valentine's day. It was quite unusual to see so many particularly fine red azaleas in a group together.

Mangel, the Florist, always has his window filled with novelties and especially was this noticeable during Valentine week. A round Japanese basket of good size was planted with one fine specimen of white cyclamen in the center, surrounded with/ aspidistra's of the cream-white and green-striped variety, making a wonderfully attractive combination. The effect was one of complete harmony and every leaf and flower perfect. Another pretty novelty were the "Flowering Almond" bushes with their pink coverings and ribbon ornamentation. They made as pretty a present as could be imagined and reminded the writer of the miniature Japanese cherry trees that are so often pictured and never seen in nature's garb. A large red heart of red carnations made an appropriate emblem of St. Valentine's day. It was made with a goodly appreciation of the artistic.

Canger & Bergman have one of the finest display windows possible for exhibition purposes, and they certainly do full justice to its artistic possibilities. The old-fashioned garden grouping of potted plants was a feature of this week. In the background stood a tall and stately marguerite bush with its snowy whiteness emphasized



UNIQUE DECORATION USED BY CHAS. W. SIBLEY, ATHOL, MASS.

purposes. Fish meal is also increasing in popularity as a stock food, and it is thought that it may in time follow cottonseed meal in becoming too valuable to be used on the land, though as great quantities are now wasted its utilization as a fertilizer will probably continue to increase for some time. While dried fish scrap is valued chiefly as a source of nitrogen, it also contains a large proportion of phosphoric acid, the former running about seven to nine per cent and the latter six to eight per cent. There is also a trace of the third ingredient, potash, but it is insignificant.

used with pleasing effect for the body of the urn, and roses, lily of the valley and cattleyas add greatly to its beauty.

In using the urn for a decoration the designer begins with the wire frame which all supply houses carry in stock. This is made solid with the flower which predominates in the arrangement, the idea being to bring out the lines of the urn as distinctly as possible. Especial care must be taken in arranging the flowers in the vase-shaped part. On the one hand

by the deep cinerarias, the tiny English primroses, hyacinths in different colors, pink and white tulips and rich red tulips as a border. The edge was a sort of uneven line spreading in width as it reached the forepart of the window. In the background pussy willows were peeping out for recognition among the other bright and happy constituents. This was to the left of the window—and to the right the same design of grouping was kept in mind as to the outward general effect, but grouped in one yellow color scheme. That is, in the center was a handsome bunch of the golden forsythias. This was surrounded with yellow daffodils and jonquils. The space left in the center of the window was utilized for novelty displays and the firm did itself justice in the artistic daintiness in arrangement. A large round basket in the center was covered with a mound of asparagus vines in which little Paris nosegay bouquets were prettily arranged to attract the passerby. Among these nosegays were some Colonial designs; one in particular of good size had pink sweet peas, white carnations, violets and a few roses in combination with a white bouquet holder of paper in lacy effect. As an embellishment the three colors used were shown in the ribbon rosette which had the different colors prettily harmonized and also in keeping with the times, for Paris is going mad over the Roman color combinations in everything. Roman sashes are used on nosegays, baskets and every way possible. This firm also displayed some boutonnières, using a single marigold with a setting of a lace paper holder to go with the Colonial bouquets. Numerous fancy basket designs of decidedly original make were also displayed, some being of a clover shape in a red fine straw weave. Four beautiful bunches of white violets gave a finish to a wonderfully pretty window display typifying spring's advent.

O. J. Friedman's window was a rare garden of choice cut flowers featuring all the different and finest specimens obtainable. He had a very fine display of roses, among them some specimen American Beauties. Red was the predominating keynote.

A. Lange's window displays are the best example of an up-to-date flower shop, for he is never wanting in appropriate suggestions for every occasion. From the most inexpensive to the choicest flowers, all are displayed to attract not only the small buyer but those of fastidious taste. His gardenias were a wonder to behold and one had to look and look and wonder whether they really grew so perfectly. His Valentine basket of red heart shape was very artistically arranged. At the top, from under the cover, Roman hyacinths were gracefully placed and these were encircled with tiny red rosebuds which were in turn surrounded with fine New York violets. A large satin ribbon rosette gave a finish to a very attractive and appropriate Valentine floral offering. It was a happy and effective color combination. The little primrose baskets were very dainty and made a very charming gift made up in Mr. Lange's way of arrangement, for simplicity gave them a distinctive air of springtime.

H. C. Rowe's window had a very artistic arrangement of spring flowers. A birchbark window box was beautifully arranged with a fine red azalea in the center and grouped around it

were specimen plants of cyclamen of the deep rich reds. It was a truly fine conception of the florist's art in combination and general arrangement. In featuring these boxes he had a note of difference from the displays of the other florists and he should feel justly proud of the showing they made.

The Bohannon Floral Co.'s window was replete with spring blooms, among them a rare display of orchids. Heart-shaped boxes in all the different varieties were prominent.

The Alpha Floral Co.'s three display windows were a perfect bower of springtime loveliness. One window was devoted entirely to jonquils and daffodils with a fine group of Easter lilies in the background. The second had blooming plants of every description dressed artistically in fancy paper and ribbons. The third had one of the largest variety displays obtainable, from the fine New York violets to a tiny bunch of pansies, butterfly sweet peas, freesias, lilies of the valley, orchids, marguerites, tulips, hyacinths—very nearly everything that is grown for the trade at this season. Appropriate boxes for Valentine's day were also displayed. Among them was the long ordinary flower box which had an artistic drawing of a young woman in one corner with Cupid below aiming his arrow at the red heart attached to the figure. In one corner of the cover a heart-shaped card drawn on the box had a suitable inscription or rather an appropriate little sentiment in verse. These boxes were all white with a red edge—the other color being displayed in the designs which were different on the different styles of boxes.

Lubliner & Trinz had an exceptionally fine display of New York violets which they were selling for fifty cents a bunch. They also had some of the deep rich single variety—the sweet violets in small bunches at twenty cents per bunch. They displayed the new Valentine boxes and heart-shaped designs. The heart-shaped boxes were red with white covers, the white cover allowing for a more elaborate designing. A tiny heart in the center of the cover was left blank for name and address.

The Atlas Floral Co. featured very attractive violet baskets arranged and placed most artistically. Some fine specimens of growing plants were also conspicuous for their perfect blooms and foliage. Heart-shaped baskets were also displayed in their many different designs.

Some of our Eastern florists are not satisfied with the regulation stock baskets and boxes and have special designs made up for their particular use. One such box of heart-shape design was made of white moire paper with gold edge—a full telescope box with sashes of ribbons in various shades across the top fastened on the inside of the cover. These had small hearts in white with artistic and suitable subjects inscribed and pasted on the sash. White hearts were the new feature among our Eastern florists, and the idea of a suitable sentiment inscribed on the cards has become very popular. Some very beautiful sentiments were shown on some of these white hearts which were pasted on the sash ribbons. It mattered not whether it was a Paris nosegay (or, as some of us call it, the French bouquet), or whether a basket of potted plants, each and every floral offering had its little heart attached.

We sincerely hope some of our pioneer florists will take a leaf from the

book of the younger ones and make the most of the larger possibilities in the flower trade, and not think the old is good enough—for the old way is just a habit we have of doing things because we do not wish to put ourselves to the trouble of thinking out new advertising schemes. It is a mighty fine thing to keep in touch with the new things. Let us have the atmosphere of progressiveness and keep pace with our country's progress.

A. E. K.

Third International Flower Show.

NEW YORK, APRIL 5-12.

The New York Cut Flower Co., 55 West Twenty-sixth street, is offering a grand silver vase, value \$200, for the finest display of cut roses, irrespective of number of varieties shown. This premium does not appear in the Final Schedule of Prizes, just issued. A supplementary schedule will be issued before the show opens, to take care of the prizes that will be offered from now on.

In the Final Schedule, class 87, "first prize, silver cup" should instead read "grand silver medal and \$15" as a first prize, and the same, is offered by The Horticultural Society of Chicago; in class 91 in section C the medal offered is the grand bronze medal of the Horticultural Society of Chicago. Class 524, the M. C. Ebel prize, is open to members of the National Association of Gardeners only; notice of this fact was inadvertently omitted from the schedule.

The most noteworthy classes in the Final Schedule are classes 192, 193 and 194, covering \$200 for the most valuable economic plant, which may be a new fruit, new vegetable, or other plant which has a distinct economic value; \$200 for the most valuable new foliage plant; and \$100 for the most valuable new flowering plant. These prizes are to be awarded for plants not yet in commerce, showing characters distinctly new and useful. Should the entries in any one class not be meritorious enough to secure an award, the total money assigned to that class may be divided among the two remaining classes provided the plants exhibited in the remaining classes are worthy of such a prize. Should no plant exhibited be considered worthy to secure an award under these conditions, the entire prize may be withheld. These prizes are offered by the Missouri Botanic Garden of St. Louis, and, as far as known, no schedule has ever contained such a liberal provision. These offers should bring numbers of exhibits from the growers of novelties in Europe.

Anyone desiring a copy of the Final Schedule of Prizes may have one on application to John Young, secretary, 54 W. Twenty-eighth street, New York.

J. H. PEPPER,

Chairman Publicity Committee.

TACOMA, WASH.—At the meeting of the Tacoma Rose Society, February 11, it was decided to reorganize and incorporate. A draft of a constitution was considered and laid on the table for future action at the next meeting. Two additional vice-presidents were chosen, namely, Herbert Hunt and F. C. Fisher. Under the proposed constitution members will be transferred to the new organization upon payment of \$1 for membership certificate.

THE ROSE.

Potting.

Cuttings ought to be potted just as soon as the roots attain three-quarters of an inch in length. If allowed to stand in the sand any length of time after they have reached this stage the roots extend through the sand and get so tangled up that it is difficult to handle them without breaking. They will also begin to make wood of a very inferior quality, which will be sure to wilt when they are potted and retard the starting of growth in the young plant.

Rose soil left over at planting time is good material for first potting. It ought to be in a nice mellow condition and passed through a three-quarter inch screen. Two-inch standard pots are just the size for first use. These should be thoroughly clean inside and, if possible, unmixed in color, as pots of a uniform color keep the moisture more nearly equal.

It is best not to take too many cuttings from the sand at one time, as the roots are so delicate and tender a lengthened exposure will shrivel them up, and the fewer checks the young plant is subjected to the more quickly will root action commence in the soil. Great care ought to be used in handling the young plants, as the roots are so easily broken. The roots ought to be placed about one-third down the depth of the pot, and the soil firmed equally all the way down. Firm potting is essential to secure success and more especially at first potting. No drainage is required in any kind of soil at this stage.

At this season room is usually scarce, and those who have no regular stock house will have to find room by removing some crop to make room for the young stock. Select the best position in the house for this purpose. It will pay to make a sacrifice to give it a good place. After the plants are arranged in the house they should be thoroughly watered. To get the whole body of soil moistened they will require going over two or three times. If the weather is bright, shade for the first three days, but only while the sun is shining on the bench, as the more light they get the quicker they will start into growth. Syringe twice a day during bright weather. Keep the night temperature at 58 degrees to 60 degrees, and the day temperature during dark weather 62 degrees. On bright days it can be run up to 70 degrees.

C.

Mildew on Roses.

ED. AMERICAN FLORIST:

What is the cause of mildew, the best preventive, and the cure? How often should sulphur be used on steam pipes for a stubborn case?

Wisconsin.

R. E. P.

The causes of mildew are many and complex. The most common cause is sudden change of temperature, causing a check to the growth and lowering the vitality of the plants, which makes them susceptible to the attacks of disease and pests. A stagnant atmosphere is also very conducive to the germination of mildew spores, which are ever present in the house and only wait favorable conditions to germinate. The best preventive is to induce a good, vigorous growth by giving prop-

er attention to ventilation, watering and the maintenance of a steady temperature. Stock grown in this manner in a tight house is nearly immune. A mixture of two parts sulphur and one part air slaked lime, mixed with water to the consistency of paint and applied to the pipes twice a week, shutting the house entirely for one hour after applying, will effect a cure in the most stubborn case.

C.

"Heat Drop."

ED. AMERICAN FLORIST:

What is the cause of "heat drop?"

R. E. P.

This term "heat drop" I have not heard before and do not know what it means. Would R. E. P. kindly explain?

C.

Cactus Insects of United States.

A valuable bulletin on the "Principal Cactus Insects of the United States" has been issued by the Department of Agriculture. The first systematic work on cactus insects that was undertaken was done by H. G. Hubbard in 1895. Mr. Hubbard lived in Florida. According to the bulletin, "he discovered a lepidopterous larva which feeds upon the prickly pear, traced out its life history and transformations and published a most interesting account of his observations." Later he made studies of the insect fauna of the giant cactus (*Cereus giganteus*) of Arizona. The insects infesting plants of the genus *Opuntia* were also studied, possessing a special interest because of the cochineal insect from which dye is made.

The department investigators have discovered 324 species of insects asso-

ciated with the cactus plant. The species which injure the plant number 92; parasites of injurious species, 28; scavengers, 73; flower visitors, 40; species only incidentally associated with the plant, 91. Twelve of the different species attack the roots or stem and 27 the joints. Eleven of these latter feed inside the joints while 16 destroy the outside part. Thirteen species are harmful to the fruit. Of those found in the blooms a few are injurious but the others assist in fertilizing the plant.

Among the insects which affect the roots or stems, the most important forms are eight species of the cerambycid genus *Moneilema*, says the bulletin. These are wingless, robust, shining black beetles from about 15 to 25 mm. in length. They are to be found upon the *Opuntia* plants as adults throughout the season. In the adult stage they do considerable damage by gnawing the edges of the newly formed joints. This injury, however, is insignificant in comparison with that done to the stems and roots by the larvae.

It is interesting to note that the work of the adult beetle sometime results in the dissemination of the plant. Frequently the beetles cut at the base of a newly formed joint, so that it is soon broken from the plant. In some cases the joints thus separated from the plants take root upon falling to the ground. As a matter of fact, this accidental planting by the *Moneilema* beetles is one important cause for the growth of the prickly pear in very dense clusters around the old plant.

Cutworms often are injurious to *Opuntia* plants, especially young plantings. The pulp exposed in cutting seems to attract the worms. Arsenate of lead is found to be a preventive. The parts used for seed should be



RAMBLER ROSE NEWPORT FAIRY.

soaked in a solution, or the plants dusted with the poison in a powdered form before planting. The scale insects which attack the roots of *Opuntia* plants do not have a marked affect on their vigor.

Of the coreid bug, which attacks the joints externally, the bulletin furnishes the following description: "It is a yellowish bug, resembling the common squash bug in general appearance, feeding generally gregariously on the joints of *Opuntia* and allied genera. It is chiefly nocturnal in its habits." These are by far the most harmful insects feeding on the plants. The bug leaves a small circular discoloration on the joints of the plant which are not discovered for some time after the feeding begins. It becomes very conspicuous soon, however, and the plant becomes weakened and falls over. The scientific name of this bug is *Chelinidea vittigera*, and with it is sometimes found the *Chelinidea tabulata* Westwood. This latter insect is not common, the only thing which keeps it from being a serious menace.

The bulletin recommends the burning of the trash upon which the insects collect in winter when they are nearly dormant. The gasoline torch may be used effectively to get rid of the immature insects, at which stage they are of a very gregarious habit. Next in importance to these *Chelinidea* bugs is the *Mimorista flavidissimalis*. Its range is limited, however, being confined to parts of Texas and Arizona.

The cottony cochineal insect, closely allied to the true cochineal insect, which is not found in the United States, are frequently found in large masses in the joints of *Opuntia*. The true cochineal insect has long been well known as the source of a dye taken from the dried bodies of the female.

The larvæ of the insects which feed on the inside of the joint are laid on the outside and the insects work their way inside soon after hatching. There they remain. The larvæ are cannibalistic and only one or two are ever found within a joint. Their work is noticeable by reason of the yellowing of the joint followed oftentimes by large swellings on both sides.

There are a number of others of minor importance. Only one worthy of mention works on the bloom. It is a slender beetle found in southwestern Texas and in New Mexico. Of the bugs which injure the first those of the genus *Narnia* are most important, *N. pallidicornis* Stål being most common. Seventy-three species of scavengers also have been found. Many of them feed only on joints already killed while others attack the living joint through the mines made by the *Moneilema* and other forms. The cavities they infest are often attacked by fungi and bacteria, increasing the diseased area. But for the scavenger the wounds would often heal.

KANSAS CITY, MO.—Samuel Murray issued an attractive St. Valentine's day circular, calling attention to his facilities for the filling of orders on that day.

SAYVILLE, L. I.—The greenhouse of Seymour Burr at Oakdale was destroyed by fire February 5. The loss was great, many thousands of choice plants being included.



LILAC FOR EASTER.

The Publicity Propaganda.

Paper read by M. C. Ebel before the New York Florists' Club, February 10, 1913.

No more perplexing problem confronts the business man than what to do, and how to do it, to get the greatest return from his expenditures in creating a selling market for his products. More money is wasted in this branch of a business than in any other department because it is next to impossible to trace returns on all that is expended, and so we must be content to strike a happy medium, whereas cost of production may be accurately figured.

I have, however, been quietly watching the course of events since I fired my first shot at publicity in the trade papers last May, and the interest which has been manifested among the florists generally in this subject since then must assure anyone not a pessimist that the publicity movement will not be permitted to wane, but that it will progress until it will finally make its power and influence felt in the florist's industry just as it is doing among the younger industries to-day.

The power of the press, and nothing else, has built up many industries in the past quarter of a century so that where their resources a decade ago were reckoned in the hundred thousands, they are to-day counted in the hundred millions. And let me tell you some of these industries did not have the foundation to build on that the old florist's industry has, but which up to now it has not undertaken to develop. I say, the old florist's industry, for it is the oldest industry in the world. What other industry can trace its ancestry as far back as the Garden of Eden? And had the first

partners in the business been alive to conditions as they exist to-day, they would probably not have trafficked so unwisely with the fruit, but would have begun to create a better market for it, by which we might all have benefited before the cost of high living for everything but flowers overtook us.

The consequences of the lack of wisdom on the part of the first planters is that some of the boys have risen above the old man and our younger industries have become prosperous and powerful enterprises, though some of them have admittedly been founded on very flimsy superstructures. Now there is that stability behind the florist's industry which as it develops cannot be shaken, for it will be builded differently than you may say practically all other industries, in that it will never be created as a monopoly or trust; and thus it will remain separated from the greatest of all evils, political intrigues, which are seriously affecting the business life of this country today.

There is no question, however, that the florist's business, and in that I mean the various branches of horticulture and floriculture, is already unconsciously following in the evolution through which other successful industries have passed from their minor state into great enterprises. I refer principally to the large commercial florist establishments which are producing along the same lines that the large manufacturers produce, studying all the phases where economies may be practiced and then taking advantage of the economies to reduce the cost of production, and so as in other fields of endeavor the large

grower can make money at prices at which the small grower cannot afford to produce.

This feature of the florist's business is never again going to diminish, but on the contrary will continue to increase, and with this development of the business the chances of your ever seeing much higher prices for flowers than those now prevailing become more and more remote. It is true that in food products and in other necessities of life there has been a constant increase in prices due to a large extent to manipulation, but among manufacturers generally the selling price if anything has been lessened, brought about by modern manufacturing systems which have helped the strong and driven out the weak in various trades, and this is the situation which sooner or later is bound to confront the florist.

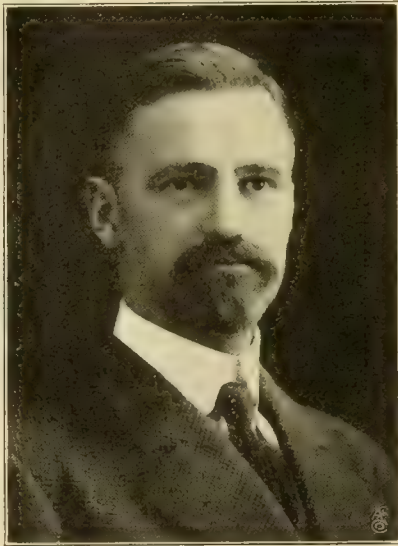
Wallace R. Pierson in his paper, "The Florist and His Market," presents some arguments which should make grower, wholesaler, and retailer sit up and take notice. He says they are all in the same boat. He is right, taking the florist's business collectively, and this he has done, for I am satisfied that the establishment with which he is identified is not concerned over the selling markets. His plant is one I had in mind where every branch is carefully watched and where the cost of production is regarded more essential than the going market prices. He urges co-operation between the grower, wholesaler, and retailer, rather than competition and warns of the possibility of a chain of stores handling flowers as they do other commodities.

This is no longer a possibility but will soon be an announced fact; for a strong organization is already under contemplation having associated with it a man heavily interested in several similar successful, what might be termed, endless chain store enterprises. It will seek direct outlets for its productions, and as its retail business expands, it can continue to increase its growing capacity, if it chooses, or exercise the privilege if it finds it more profitable to do so, of going direct to growers and contracting for their entire output. The opportunity is a great one. The mystifying part of it is that it has not been taken advantage of before. It brings to mind an old saying that it takes an outsider to discover the inside of one's opportunities. No general publicity campaign will be required by such a concern. It will do its own advertising and create its own markets; but this is individual advertising and will not help its neighbor in the business. Individual advertising only helps the individuals to whom it is directed.

Then we have our local publicity or advertising campaigns. They may have some good features, but I have failed to discern any in watching what has so far been undertaken. No doubt some of them have been productive of results, but could they be declared a success when the expenditures are taken into account? For argument's sake let us concede that one of the local publicity committees would hit on a plan whereby a greater demand and better prices for flowers could be established within its region. How long would it be before the growers from elsewhere would swamp that locality with shipments to get some of those better prices and they would again be confronted with the problem how to overcome the glut.

Curtailement of products can not be successfully maintained in the florist industry although the suggestion was offered at the Philadelphia meeting, where Mr. Pierson first read his paper, that the florists devote some of their glass for a time to vegetable growing. The weak point here is that the vegetable grower is confronted with the same problem as the florist—no proper selling market—but were this not so and the experiment tried and proved successful, and prices of flowers would advance, Mr. Vegetable Grower would soon be found giving some attention to the florist's business. It is but human nature.

Universal publicity, educating the public to the usages of flowers and plants, instructing them how to grow and care for them, how to employ them and convince them that they are



M. C. Ebel, Madison, N. J.

not luxuries but comforts which gladden the heart and mitigate sorrow and suffering, that is what is now required to increase the selling market for the florists and there is nothing else left to accomplish this for you. Some will dispute my idea and say that we are having lots of education already and are getting it for nothing, but let me ask you if you ever obtained anything for nothing that was worth anything?

I know the Sunday supplements are furnishing a lot of gardening talk about this season of the year as an incentive to get the florists and seedsmen to advertise in them, but it is not of the right sort. For instance, I picked up a paper yesterday which told how to care for plants during the winter to carry them over into the spring. This information is given in February and will be useful to some next fall. How many people do you imagine that article interested? Such matter is not instructive and will not hold the attention of readers long. Tell them something they can do now and they will be interested. Our garden magazines are already doing much good instructive work in floriculture and horticulture, but they reach a very small percentage of the people. To get at the public, the daily newspaper is the great channel.

Mr. Pierson has struck the right trail on publicity when he states that we need a national publicity bureau.

And that bureau must be under the supervision of a man who is well informed on the details of the industry he is to represent, and on all the inner workings of the press in general, in addition to being well qualified to write on floricultural and horticultural matters. He is not easily found, but he exists and when you do find him, give him a fair chance. He must be a man who will not only think publicity all day, but dream it all night. There is probably no better salaried position today than that of the publicity promoters—but their jobs do not last long if they fail to make good. The job is not abolished, but some other fellow is given the chance to prove what he can do. There can be no inactivity in such a position and the man on the job for the florist must be a hustler. He will never have occasion to worry over time hanging heavy on his hands.

It is fallacy to believe that any one can work up publicity. You might do without a doctor by relying on medical books to relieve some of your ills. You might, through the study of law books, handle some of your own legal matters, but to do real journalistic work it must be born in you and books cannot teach you. By this I do not mean to imply that you may not be able to write well on some specific topics, but the nose for real news instinct must grow on you. As I stated on a previous occasion in a discussion of publicity no other industry was ever so well prepared in the way of organization to establish a national bureau, as are the florists, and this bureau should from its very inception, if properly conducted, make its influence felt.

Such a bureau should disseminate instructive reading matter of interest to the more advanced, and yet easily understood by amateur growers, to serve the suburbanite; city folk, limited to the back yard; and even the flat dweller, restricted to a few window boxes. Contributing timely articles on outdoor and indoor growing; the care and cultivation of house plants; notes on home decoration and on all usages of flowers. Almost everyone loves flowers. Learning about their cultivation, habits and way of keeping will delight young and old among newspaper readers and there will be no difficulty on the part of the local societies in having newspapers of their communities accept such matter, if this reading matter will arouse interest among the readers, and what is quite important, if it is obtainable by the newspapers at no cost to them.

A weekly service should be established to furnish a series of articles that at times contain contributions from well known authorities in the trade, accompanied by illustrations, especially written for the service. Publicity committees should be maintained by the various local societies to work in conjunction with the national bureau, supplying the local papers regularly with literature received from the bureau and to keep the bureau informed on developments in its locality which may be of interest to it.

It should be the duty of the publicity manager, promoter, or whatever title may be conferred on him, to handle any local situation which may arise out of adverse press or legislative work. He should be at the disposal of the management of all important flower shows to render his service in the capacity of publicity

Chrysanthemum Society of America.

Review of the Work of the Examining Committees for the Season of 1912.

Name of Variety	Where Shown	Date	Exhibited by	Color	Type	Scale	Color	Form	Fullness	Stem	Foliage	Substance	Depth	Size	Total
Ceddie Mason	Madison, N. J.	Oct. 31	Chas. H. Totty, Madison, N. J.	Deep Red	Single	Single	38	16	15	18	18	87			
Mensa White	"	Oct. 31	"	White	"	"	38	19	15	19	19	91			
Mrs. Gilbert Drabble	"	Oct. 31	"	"	Jap.	Ex.	14	12	12	5	5	14	28	90	
Elberon	Cincinnati	Nov. 2	Elmer D. Smith & Co., Adrian, Mich.	Pink	Inc. Jap.	"	13	15	15	4	4	15	29	95	
Louise Quinlan	Chicago	Nov. 2	"	Yellow	Inc.	Com.	19	13	8	12	8	15	10	85	
Yonkers	Cincinnati	Nov. 2	"	"	Reflex Jap.	"	18	13	7	15	14	12	10	89	
Mary E. Meyer	"	Nov. 2	"	White	Jap.	"	20	13	10	15	14	13	8	93	
Mount Kisco	Chicago	Nov. 16	"	"	"	"	19	14	8	14	14	13	8	90	
"	Cincinnati	Nov. 16	"	"	Inc. Jap.	"	18	12	9	14	14	10	10	87	
"	"	Nov. 16	"	"	Ex.	"	13	13	14	5	5	13	26	89	
Golden Robin	Chicago	Nov. 16	"	Yellow	Reflex Jap.	Com.	18	14	8	14	12	14	9	89	
C. L. Hutchinson	"	Nov. 9	Wm. P. Longland, Lake Geneva, Wis.	Flesh Pink	Anemone	"	35	20	10	10	20	85			
Improved Golden Chadwick	"	Nov. 23	C. C. Pollworth & Co., Milwaukee, Wis.	Yellow	Inc. Jap.	Com.	16	13	9	12	13	14	8	85	

Scores possible under scale used (C. S. A. Official).
 Com. 20 15 10 15 15 15 15 10 100
 Ex. 15 15 15 5 5 5 15 30 100
 Pompon 40 20 20 20 100
 Single 40 20 20 20 100
 CHAS. W. JOHNSON, Secy.

manager, but above all he should be a man who can direct his business from a distance so that he may be found at his home most of the time and not feel it incumbent upon himself to be on the jump to meet every little local demand made on him. As I have previously stated, such a man exists, and if we only seek him we will find him.

You will say all this sounds well but who is to pay the piper for all this music? All of us. Let the support be forthcoming from the Society of American Florists, from the local societies and all allied interests of horticulture and floriculture. We will all benefit by it—growers, wholesalers, retailers, seedsmen, supply-men, greenhouse men and all.

The big men need publicity less than the small men. The small grower is the sufferer in a bad market and I predict that the time is not far distant when he will have to abandon the big markets and find his own direct market at home, as many are already doing. Therefore, he should be prepared to contribute his mite to the share expected of the large growers and others towards making it possible to inaugurate a campaign of publicity which must be national in scope to build up for him a greater demand for his products. We need this sort of publicity. We want it and we will have it. It needs but the man to pass the hat to get it under way. Who will volunteer as that man?

Parentage of Carnations.

ED. AMERICAN FLORIST:

Please state the parentage of O. P. Bassett, Enchantress, White Perfection and James Whitcomb Riley carnations.

M. A. B.

I am not sure of the parentage of any of these. The best thing would be to write to the raisers: O. P. Bassett, Bassett & Washburn, Chicago; Enchantress, Peter Fisher, Ellis, Mass.; White Perfection, Fred Dorner & Sons Company, Lafayette, Ind.; James Whitcomb Riley, Bertermann Bros., Indianapolis, Ind.

C. W. J.

LEXINGTON, ILL.—Mayor Ambrose is building an addition 36x62 feet to his greenhouse, giving him a total of more than 4,000 feet of glass.

INDIANAPOLIS, IND.—The board of park commissioners has filed notice that bids will be received for material for the construction of a greenhouse in Garfield Park. Sealed proposals will be received until 10 a. m., Friday, February 21.



Wm. Florist Gude.

THE GREAT ILLUMINATOR.

The Big Stick, one of whose favorite mottoes is "light for all," takes pleasure in presenting a personification of said motto as its today's principal contribution to permanent literature.

Although we have known our est. f. c., William Florist Gude*, as a shedder of the radiance of friendly cheer about him ever since the first day he entered our sanctum with the heaviest item of the season about the firemen's pensions, he is especially prominent as an enlightener just now because he is chairman of the inaugural illuminations committee. With a limited amount of illuminating juice at his disposal, so to speak, he is sure to radiate delight.

Mr. Gude gives fair credit to his colleagues on the committee. True it is, when he called for volunteers there was almost a crush at the committee rooms, and an extra mail carrier, The Big Stick learned exclusively last night, had to be put on to bring written applications to illumination headquarters.

"I have been lit up for years," wrote one man in a shaky hand.

"This is no steady job," Mr. Gude explained to The Big Stick man last night. "What we want are quick, fierce burners, good for a couple of nights."

"Without boasting, I can say that our committee has had the pick of champion illuminators. In the main, however, we have selected theorists,

believing that just a few plain, practical men are sufficient to put our plans into execution."

The Big Stick feels justified in promising that, if nothing else is accomplished, Mr. Gude will make hearts lighter.

*Gude, said to be the Scandinavian spelling of "Goody."

—Washington Herald.

Boston Flower Exchange Opening.

The opening of the new market of the above named organization, on February 15, was a very notable event in the history of horticulture in New England, for the interest in this movement has a wider range than the city of Boston or the state of Massachusetts. There were exhibitors from Maine, New Hampshire, Connecticut, New York and even from as far west as Chicago, and all this is more noteworthy when it is stated that there were no awards and no prizes.

The new market is a splendid example of the enterprise and energy of a few men who, for more than twenty years, have been co-operating for mutual benefit. The space already occupied covers 11,000 square feet on the ground floor of a fine modern building at the corner of Otis street and Winthrop square. There is a basement, covering 13,000 square feet which, we believe, will be fitted up in a short time with stands, as the demand increases. On the ground floor there are about 200 stands and on February 15, within an hour, more than 150 of these were taken, all of which shows the interest that is being exhibited in this movement. To those who have visited the old market in the basement of the old Park street church, the new market will be a revelation. On Otis street it has a frontage of over 100 feet, nearly all plate glass. While the space on the square is less, the facilities are excellent.

The opening was a most enjoyable event. The exhibitions of cut flowers and flowering plants, the excellent entertainment of oratory and music, a fine orchestra being on hand, as well as the bounteous luncheon served, all had a tendency to please visitors and impress them with the idea that the enterprise was being conducted by men of worth.

THE EXHIBITS.

Notable among the exhibits were the following:

A. N. Pierson, Inc., Cromwell, Conn.
 Rose Milady, carnation Rosette and fine stocks of Adiantum farlyense.

F. J. Dolansky & Co., Lynn, Mass.—A most excellent collection of orchids, both cattleyas and oncidiums, gardenias and *Adiantum farleyense*.

Scott Brothers, Elmsford, N. Y.—Crimson carnation *British Triumph*, pink carnation *Lady Northcliffe* and scarlet carnation *Wm. Eccles*.

F. R. Pierson, Tarrytown, N. Y.—*Nephrolepis magnifica*, *Nephrolepis Harrisii*, *Nephrolepis elegantissima*, and others.

Thomas Roland, Nahant, Mass.—A fine collection of flowering plants, including orchids, cyclamens and ericas in variety.

Littlefield & Wyman, North Abington, Mass.—Carnations *White Wonder*, *Benora*, *Wanoka*, *Gloriosa* and seedlings.

S. J. Reuter & Son, Inc., Westerly, R. I.—Roses *Mrs. Aaron Ward*, *Melody*; carnations *White Wonder* and *Gloriosa*.

Frank E. Putnam, N. Tewksbury, Mass.—Carnations *Gloriosa*, *White Wonder*, *Mrs. C. W. Ward* and *Pink Delight*.

Waban Rose Conservatories, Natick, Mass.—Rose *Mrs. Chas. Russell*, and fine pink seedling of *Waterer* type.

Peter Fisher, Ellis, Mass.—Carnation *Gorgeous*, which does not belie its name, and seedling carnations.

Patten & Co., Tewksbury, Mass.—The new crimson carnation, *Princess Dagmar*, a very fine production.

The Willow Hill Greenhouses, W. Roxbury, Mass.—Fine collection of genistas and *azalea mollis*.

A. Pembroke, N. Beverly, Mass.—Carnations *White Wonder*, *Gloriosa*, *Benora* and *Pink Delight*.

Mann Brothers, Randolph, Mass.—A fine collection of cut lilies, narcissi and other bulbous stock.

Wm. W. Edgar Co., Waverly, Mass.—A fine exhibit of cut lilies and forcing plants.

New England Conservatories, Exeter, N. H.—Killarney roses in variety and red roses.

H. W. Vose, Hyde Park, Mass. (Ed. J. Rogean, Mgr.)—Fine collection of cinerarias.

John Barr, South Natick, Mass.—The variegated carnation *Mrs. B. P. Cheney*.

W. D. Howard, Milford, Mass. (Geo. H. Noyes, Rep.)—Collection of carnations.

William Nicholson, Framingham, Mass.—The crimson carnation *Pocahontas*.

Peirce Bros., Waltham, Mass.—A fine collection of carnations and other stock.

George E. Buxton, Nashua, N. H.—Buxton's Pink Killarney Snapdragon. Buxton & Allard, Nashua, N. H., exhibited their "Economy" bracket.

J. W. Minott, Portland, Me.—Collection of fine carnations in variety.

Cottage Gardens Co., Queens, N. Y.—The white carnation "Matchless."

James D. Cockcroft, Northport, N. Y.—The pink carnation *Northport*.

Strout's, Biddeford, Me.—Collection of fine carnations in variety.

Paine Bros., Randolph, Mass.—Fine collection of bulbous stock.

S. J. Goddard, Framingham, Mass.—Collection of carnations.

Chicago Carnation Co., Chicago—Carnation, *The Herald*.

Visitors.

Among the out-of-town visitors at the opening of the Boston Flower Exchange, February 15, were: Wallace R. Pierson, Cromwell, Conn.; James Scott, Elmsford, N. Y.; J. H. Fotheringham, representing F. R. Pierson, Tarrytown, N. Y.; S. P. Dernison, representing Vaughan's Seed Store, New York; Manager Brown of the Cottage Gardens, Queens, N. Y.; M. A. Patten, Tewksbury, Mass.; Peter Fisher, El-

lis, Mass.; J. Parker, Tewksbury, Mass.; Wm. Sim, Cliftondale, Mass. President Farquhar of the S. A. F. was one of the interesting guests at the opening of the market. William Hastings was another notable figure at the opening. The officers of the Exchange were untiring throughout the day in their efforts to make visitors feel at home.

A. F. F.

Officers Boston Flower Exchange.

Wm. Stickley, president, is a native of Cambridge, Mass. Twenty-one years ago he started the movement for a cut flower market. It was successful and he was elected president and has held the office during all these years. He is a genial and kindly man; nevertheless, he understands business. For the past 12 years he has been located at Lexington, Mass., where he grows fine stock.

Wm. Nicholson, Framingham, Mass., is vice-president. The florist who does not know him must have been in a sort of Rip Van Winkle sleep for a number of years. Mr. Nicholson is a Scotchman. He fussed around in England a few years before he came to this country, but just the same he is a Scotchman, and a mighty loyal one, too. He located in Framingham, Mass., over 40 years ago and has been there ever since. In the early days he grew both vegetables and flowers, sending his vegetables to the old Faneuil Hall market. In later years he has confined his activities to flowers, making a specialty of carnations, chrysanthemums and marguerites. Of late years he has very largely turned over the business to his son, a big, strong fellow, who makes good, but Mr. Nicholson, Sr., is still on the job.

George Cartwright, secretary and treasurer, is a native of England, and we may add in passing that he is very proud of it. He was a grower in Dedham, Mass., for about 40 years, but about seven years ago the Boston Flower Exchange discovered that he was such a useful man they could not do without him, so he sold his business in Dedham and has ever since devoted all his time to the interests of the Exchange.

It seems like "carrying coals to Newcastle" to write about Alex. Montgomery, one of the directors. Nevertheless, we will write a few words about him. He also is a Scotchman, and some of these Scotchmen, we must acknowledge, are wise and canny. He learned the flower business on the estate of the Earl of Galloway. He came to this country in 1872. Thirty-three years ago he went to the Waban Conservatories, Natick, Mass., as head grower and has been there ever since and always advancing. Since the death of E. M. Wood Mr. Montgomery has been in complete control of this great range, the products of which are well known to all in the trade. He is a past president of the American Rose Society, a member of the Massachusetts Horticultural Society, the S. A. F. and the Boston Florists' Club and active in every good work pertaining to the business.

Lester Mann, also a director, is a senior member of the firm of Mann Bros., Randolph, Mass., is a big, brawny fellow with a heavy black mustache that makes him look fierce, but he belies his appearance. He is very genial and clever and knows quite a lot about the flower business. He is a native of Randolph. His firm has now about 65,000 square feet of glass and specializes in Easter lilies and other bulbous stocks.

E. Allan Peirce, still another director, is senior member of the firm of Peirce Bros., Waltham, Mass. The

business was started by his father in 1869. For many years the Peirce Easter lilies have been in demand all over New England. At present this firm, in addition to lilies, are extensive growers of roses, carnations and various other stocks. In addition to his other activities, Mr. Peirce is a director of the Society of American Florists and president of the Flower Growers' Sales Co., of Boston. His firm has about 150,000 square feet of glass.

Andrew Christensen, director, is from Stoneham, Mass. He is a native of Denmark, which should be in his favor, as the race is virile and successful as a rule. He came to this country when quite young, working in different places until 1895, when he went into business for himself at Stoneham, where he has been ever since. He makes a specialty of carnations and has about 40,000 square feet of glass.

S. J. Goddard, director, Framingham, Mass., was one of the original discoveries of Wm. Nicholson. Through his remarkable intuition "Uncle Bill" learned that S. J. had brains, so he immediately put him to work. Mr. Goddard was with Mr. Nicholson for a number of years, but finally went into business for himself. He has a very neat and well kept range and grows good stocks of carnations, chrysanthemums and marguerites. He is active and popular in the affairs of the Exchange.

A. S. Parker, director, Stoneham, Mass., is a regular live wire. If you try to put anything over on A. S. Parker you will surely get left. He has been in business in Stoneham for about 14 years, though he is yet a young man. He has 20,000 square feet of glass, growing violets in winter and asters in summer. He is popular with all branches of the trade.

A. F. F.

Boston Notes.

Notwithstanding the very cold weather of the past week, business was very satisfactory. St. Valentine's day created quite a ripple, so to speak, in the trade. All the leading retailers were very busy, possibly because they had the foresight to prepare for it with appropriate arrangements and designs. Heart-shaped boxes of flowers were very popular and sold well, the contents of the box depending on the taste and fancy of the buyer. Red was the prevailing color of the boxes.

Welch Brothers view with equanimity the opening of the new market in their immediate vicinity. All the Boston florists seem to have a bond of fellowship and none of them are more fraternal than Welch Brothers.

The Henry M. Robinson Co., wholesalers, 15 Province street, were well pleased with the condition of business and were handling a fine line of stock.

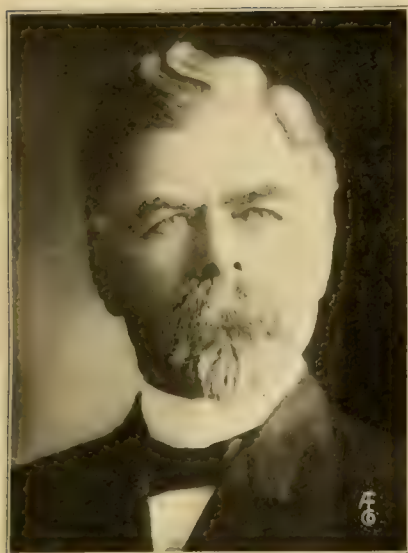
At the establishment of Penn, the Florist, it was said that they stocked up with 2,700 boxes and that they were all sold before noon Valentine day.

The Eastern Chemical Co. is compelled to remove from Pittsburgh street in a short time on account of prospective building operations.

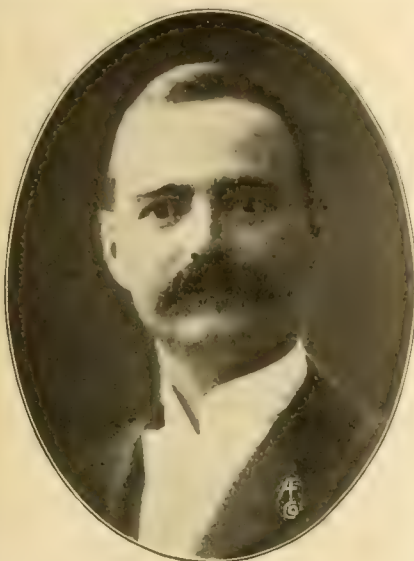
Alfred M. Davenport, of Watertown, was one of the interesting visitors the past week. He is a noted grower of plants.

At Thos. Galvin's a large force was busy all of February 14 and could scarcely keep up with their orders.

Wax Brothers did a rushing Valentine day business and their offerings were in excellent taste. A. F. F.



Alexander Montgomery, Director.



William C. Stickie, President.



E. Allen Peirce, Director.



L. W. Mann, Director.



William Nicholson, Vice-President.



George Cartwright, Secretary and Treasurer.



A. Parker, Director.



S. J. Goddard, Director.



Andrew Christensen, Director.

BOSTON FLOWER EXCHANGE OFFICERS AND DIRECTORS.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earliest possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 60 PAGES WITH COVER

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RENEW subscriptions promptly so that no copies of the paper may be missed.

WOMAN'S SUFFRAGE will not be helped by damage to property of any kind, especially such vandalism as the wreckage of English gardens and greenhouses recently reported in the daily press.

BOSTON, MASS.—In case this city succeeds in landing the 1914 convention of the Society of American Florists it is planned to hold the exhibition in the open air on 10 acres to be set aside in the Back Bay Fens.

WE received early this month the proceedings of the twenty-eighth annual convention of the Society of American Florists, held at Chicago, August 20-23 last. We have failed to find the society's charter in this report and we think every member should have a copy of the national document.

Personal.

Miss Sarah A. Hill, of the E. G. Hill Co., Richmond, Ind., we regret to learn, is on the sick list.

Correction.

In the notice of the death of Mrs. Lydia C. Conard in our issue of February 1, page 59, reference is made to the dissolution of the firm of Dingee & Conard Co., of West Grove, Pa. We are advised this firm has never been dissolved and last year, quite to the contrary, added 60,000 feet of new glass at the original home plant.

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements should be carefully preserved as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue, as otherwise they may miss some of this high-grade work.

Illinois State Florists' Association.

The next annual convention of the Illinois State Florists' Association will be held in the Gold Room of the Jefferson hotel, Peoria, Ill., March 4-5. The program includes the following:

Address of Welcome by Mayor E. N. Woodruff of Peoria; Response, by Vice President C. W. Johnson, Morgan Park; President's Address, by Chas. Loveridge, Peoria; Report of Secretary, by J. F. Ammann, Edwardsville; Report of Treasurer, by F. L. Washburn, Bloomington; Report of Secretary of Advisory Committee of the Illinois Florists' Experiment Station, by W. N. Rudd, Morgan Park; Reports of Work at the Experiment Station, by H. B. Dorner, F. W. Muncie and G. L. Peltier, Urbana; Report of Auditing Committee; Report of Judges; Address on Landscape Gardening and Permanent Planting of Shrubs, etc., by W. N. Rudd.

The exhibition of cut flowers and plants will be open to the citizens of Peoria and all are invited to attend same in the Gold Room of the Jefferson hotel from 7 p. m. to 10 p. m., Tuesday, March 4, and from 9 a. m. to 12 noon, Wednesday, March 5.

The annual banquet will be served at the Jefferson hotel, Peoria, at 7 p. m., Tuesday, March 4.

American Rose Society.

The executive committee of the American Rose Society held a meeting to consider best dates for exhibits and to arrange special prizes for the International Flower Show, April 5-12, 1913. Harry O. May of Summit, N. J., was chosen manager of the rose division.

The following dates were decided upon in connection with the International Flower Show schedule. All entries must be made with the secretary of the American Rose Society not later than March 29. The American Rose Society exhibit shall be governed by rule No. 2 of the International Flower Show. Divisions F and G shall be staged on Saturday, April 5, divisions B and C on April 7. The exhibit for the New York Flower Co. cup shall be on Thursday, April 10. All special

prizes not included in the International Flower Show final schedule shall be competed for on Thursday, April 10, 1913.

The Philadelphia Rose Growers offer a special prize for 75 roses, any variety or varieties, except American Beauties and undisseeded varieties.

The Toronto Horticultural Society offers a silver medal and a bronze medal to be designated by the American Rose Society.

Mrs. Frances Roche, Newport, R. I., has filed the following: “I desire to offer a prize of \$50.00 for a new Rose to be grown under glass, to resemble as nearly as possible in color the Marechal Niel, but with a stronger stem, to be competed for at any show the society selects after June, 1912.”

The New York Cut Flower Co. offers a cup valued at \$200.00.

Special grower prizes of \$15.00, \$10.00 and \$7.00 are offered.

Peter Henderson & Co. offer two prizes for plant of the rose Silver Moon. First prize \$15.00; second prize \$10.00. Also two prizes for plant of Rose D. W. Van Fleet, in 8-inch pot or tub or larger. First prize \$15.00, second prize \$10.00.

The Panama Canal committee of San Francisco offers a prize to be competed for in 1915 of \$1,000.00.

Please note: The managers of this show wish to do all in their power to make it a success and to see that everyone is comfortable, but they especially wish that every entry shall be filed not later than March 29.

BENJAMIN HAMMOND, Sec'y.

Society of American Florists.

President Farquhar has appointed Wm. F. Gude, Washington, D. C., chairman of the tariff and legislative committee, in place of Patrick Welch, who is unable to serve as chairman, but will remain on the committee.

DEPARTMENT OF PLANT REGISTRATION.

Objections having been filed to the names of the new sweet peas handed in for registration by Anton C. Zvolanek, Lompoc, Calif., Mr. Zvolanek wishes to substitute the name: Azalea instead of Butterfly; Camilla instead of White Butterfly; Excelsior instead of White Curliana; Mona instead of Hercules; Claudia instead of Orange; Vera instead of Pincus; Eola instead of Apricot; Flora instead of Appleblossom; Dora instead of Orchid Beauty; Diana instead of Cereus; Velma instead of Lilac; Orella instead of Bush Butterfly; Una instead of Azurea; Olivia instead of Indian; Laura instead of Bishop; Goldiana instead of Jealousy; Ina instead of Flag; Elvira instead of Blue Flag; and withdraw the names Antoinette, Sunset, Lucifer, Evening, Heaven.

Any person objecting to the registration of these sweet peas, or to the use of the proposed names, is requested to communicate with the undersigned at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

As no objection has been filed, public notice is hereby given that the registration of the new sweet peas: Why Not, Dolansky Spencer, Salma, Smalley Spencer, Mrs. Sim Spencer, Bohemian, My Darling, all by Anton Zvolanek, becomes complete.

Public notice is hereby given that Anton C. Zvolanek, Lompoc, Calif., offers for registration the following sweet peas. Any person objecting to

the registration of these sweet peas or to the use of the proposed names is requested to communicate with the secretary. Failing to receive objection to the registration the same will be made three weeks from this date.

RAISER'S DESCRIPTIONS.

Ogata—Color, chocolate selfs, slightly wavy standard. Plant up to 10 feet high and branching. If sowed August 25, begins to bloom in 65 to 70 days. Parentage, white late Spencer X Zvolanek's Crimson; seedling out first generation.

Skyair—Color, standard lavender blue, wings light lavender. Plant up to 10 feet high of the branching habit. If sowed August 25, begins to bloom in 65 to 70 days. Parentage, lavender late Spencer X Zvolanek's Blue; seedling out first generation.

Vera—Color, lilac pink standard, wings lavender. Plant over 10 feet high of branching habit. If sowed August 25, begins to bloom in 65 to 70 days. Parentage, lilac late Spencer X Zvolanek's Pink; seedling out first generation.

Cardinal—Color, bishop red selfs. Plant up to 10 feet and branching habit. If planted August 25, begins to bloom in 65 to 70 days. Parentage, white late Spencer X Zvolanek's Crimson; seedling out first generation.

Golden West—Color, light yellow selfs, standard slightly wavy. Plant up to 10 feet high and branching. If sowed August 25, begins to bloom in 65 to 70 days. Parentage, white late Spencer X Jack Hunter; seedling out first generation.

Orange Nora—Color, standard orange, wings salmon pink, wavy flower. Plant up to 10 feet high of the branching habit. If sowed August 25, begins to bloom in 60 to 70 days. Parentage, orange late Spencer X Zvolanek's Orange; seedling out first generation.

Norma—Color, bright clear pink selfs, slightly wavy. Plant up to 10 feet high and branching. If sowed August 25, begins to bloom in 65 to 70 days. Parentage, Countess Spencer X Zvolanek's Pink; seedling out first generation.

Pink Nora—Color, bright pink selfs, slightly wavy. Plant up to 10 feet high of branching habit. If sowed August 25, begins to bloom in 60 to 70 days. Parentage, Countess Spencer X Zvolanek's Pink; seedling out first generation. This represents the Gladys Unwin, of the winter flowering type.

Nora—Color, pure white, slightly wavy, long stem, bearing over 30 per cent of four flowers. Plant up to 10 feet high of branching habit. If sowed August 20, begins to bloom in 65 days. Parentage, white late Spencer X Fl. Denzer; seedling out first generation. This is the same as Nora Unwin, only winter flowering.

Morning Star—Color, light clear rose selfs, of wavy crinkled habit. Bears usually more than 40 per cent four or more flowers. Plant strong up to 10 feet high of branching type. If sowed August 25, begins to bloom in 60 to 70 days. Parentage, rose pink late Spencer X Pink Beauty; seedling out second generation.

Goldiana—Color, light yellow selfs, standard and wings large and wavy. Plant up to 10 feet high of branching habit. If sowed August 25, begins to bloom in 60 to 70 days. Parentage, late white Spencer X Jack Hunter; seedling out third generation.

JOHN YOUNG, Sec'y.

February 15, 1913.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Single, Age 18. Assistant in private or commercial place. Good references. Address, Key 780, care American Florist.

Situation Wanted—By experienced Seedsman. Good counter man. For further particulars, address, Key 791, care American Florist Co.

Situation Wanted—Position as traveling salesman for seeds, bulbs, plants or florists' supplies. Address Key 786, care American Florist.

Situation Wanted—Position by energetic young man in a private establishment; 25 years old. Life experience in private and commercial establishments growing roses, carnations, mu ns' pot plants and vegetables. Best of references. Address Key 787, care American Florist.

Help Wanted—A bookkeeper who has had experience in bookkeeping in a florist's store. Address A. F. F., care American Florist, 124 East 24th Street, New York.

Help Wanted—Gardener, married, for private country place. Good position for a first class man. Permanent. References required. Address Key 782, care American Florist.

Help Wanted—Florist and gardener, competent to take charge of greenhouse, garden and grounds at State Institution. Address SUPERINTENDENT, State Public School, Owatonna, Minn.

Help Wanted—At once, a practical rose grower to have charge of section; nothing but roses. \$16 per week to start. Do not apply unless you have the goods. F. FALLON, Roanoke, Va.

Help Wanted—Live Florist for Carnations, Roses, Bulb stock and pot plants. Married man preferred; wages \$18.00 per week and house, to start with. CARL HIRSCH, Hillsdale, Mich.

Help Wanted—A man experienced in raising vegetables under glass; must have the best of references; state wages expected in first letter. W. J. PADDOCK, Leadville, Colo.

Help Wanted—Experienced grower of Killarneys and Wards; \$50 per month and board and lodging; must furnish good references. Apply WRIGHT'S FLOWER SHOP, 224 West 4th St., Los Angeles, Calif.

Help Wanted—Married man, temperate, to grow nursery stock hotbed and vegetable plants, on small place. Good house furnished. Good, steady position and good wages to right man. ARCHIAS' SEED STORE CORP., Sedalia, Mo.

Partner Wanted—Active partner in established retail florist business in St. Louis. Exceptional opportunity for development; fine chance for the right party. Only good young man up to 30 years will do as there is a fine class of trade. Must invest \$600.00. Key 790, care American Florist.

For Sale—New Greenhouse with 11 acres of land located in a rich farming country and in county seat. Inquire of FRANK A. WERBACH, Cambridge, Ill.

For Sale—Half interest in a good paying Florist business, must be sold by March 1st. Other business cause of selling. Write immediately for particulars. Address, Key 765, care American Florist.

For Sale—Retail florist store at 4229 Broadway, New York; good business attached; improving location; reason for selling eminently satisfactory; terms quite reasonable. Address LE MOULT, 202 Bowery, New York.

For Rent or Sale—Greenhouses, 28,000 feet of glass, hot water and steam heat; also 3 acres of land and barn if desired. Ten minutes walk from R. R. station and street car; 14 minutes north of Chicago on C. & N. W. Address, JOHN FELKE, SR., 716 Ridge Ave., Wilmette, Ill.

For Sale—At a sacrifice, for cash; about 2000 feet of glass, stocked with carnations, chrysanthemums, bedding stock and small flowers. A fine proposition to one that thoroughly understands the business. Large retail trade and all the wholesale you can handle. Four acres of land; on car line on the main street of city of 20,000. For particulars address R. S. ELWOOD, Receiver, Albuquerque, N. M.

Want a Change?—Over 8000 feet of glass; devoted to lettuce, together with 120 acres of land in hay and market garden. Near a Colorado town of 12000 population. The only one in the business; established trade of over 30 years. \$6000 takes this; part cash, terms.

Address Key 789, care American Florist.

Wanted

A first-class line of Florists' Supplies for Southern territory to sell on commission. Address Key 788 care American Florist.

WANTED

A gardener—married and with a small family. Place near Chicago. No grass to cut or roadways to care for. Small greenhouse, vegetable garden and flower beds. House hot water heated fuel and electric lighted furnished free. Answer, stating age and nationality and wages expected.

Address, Key 792, care American Florist.

WANTED

Good all-round greenhouse man, middle-aged and married preferred; must be sober and reliable; 4500 feet of glass; grow carnations, roses, bulb stock, bedding plants, etc.; good wages and permanent position; town of 2000, with all advantages of city at lower living cost. Address

Key 785, care American Florist.

FOR SALE.

3,000 lights, 14x20 inches, double thick, plain American glass, second hand.

9,000 lights, 8x10 inches, double thick, plain American glass, second hand.

700 lights, 15x20 inches, double thick, plain American glass, second hand.

14 Evans Challenge ventilating machines with arms and pipe complete for 100 ft. houses or longer

E. A. KANST, 5329 Ellis Ave., CHICAGO, ILL. Telephone, Hyde Park 1844.

FOREMAN

Competent man to take charge. Must be A1. None other need apply. Good wages to the right party.

WIETOR BROS.
162 N. Wabash Avenue, CHICAGO

WANTED IN LANDSCAPE DEPARTMENT

energetic and competent party of pleasing address, familiar with principles of good landscape planting. One with nursery training preferred. Permanent position with opportunity for advancements to right party.

The Elm City Nursery Co.

NEW HAVEN, CONN.

Address, Landscape Department

M. RICE CO.

HEADQUARTERS FOR UP-TO-DATE EASTER SUPPLIES AND RIBBONS.

Write for our Easter Folder

1220 Race Street

PHILADELPHIA, PA.

Try the New Mail Order Department of The House That Never Disappoints.

Cleveland.

FLORISTS VERY BUSY.

The past week has been a very busy one, topped off by the best St. Valentine's business in many years. The weather conditions here were ideal, not too cold with plenty of sunshine, and retailers generally report a fine trade. Roses of all grades and varieties are still short of the demand and advance orders generally clean the tables of the more desirable stock. Carnations, too, the latter part of the week cleaned up entirely. Sweet peas found a good market and stock has been exceptionally fine. Lily of the valley is moving slowly at present, but stock is first-class. Orchids are not in demand as much as could be desired, some fine stock going at low figures in quantity orders. Bulbous stock is moving fine and the supply seems unlimited. Callas and Easter Lilies are in good supply and the demand is good. Greens of all kinds are plentiful. Southern smilax for spring openings are coming in strong. Freesias, calendulas, etc., clean up daily.

CLUB HOLDS NOVELTY NIGHT.

"Novelty night" at the Florists' Club was a success in every way, and these special occasions will be continued from time to time. A good attendance was recorded. Following is the report of the committee, composed of Geo. W. Smith, Robert George and Herman A. Hart:

Geo. A. Barber, Beloit, O.—A very creditable exhibit of Sweet peas, carnations and daffodils. Special mention for a vase of White Wonder carnations.

F. C. Bartels, North Olmstead, O.—Vase of freesia, Purity, exceptionally well grown, worthy of comment.

J. M. Gasser Co.—Exceptionally fine display of sweet peas in variety, remarkable for size of flower and length and strength of stem. Vase of Flamingo tulips, a well colored variety, showing great substance and form. Also a vase of prosperity tulip and Improved Pink Loraine, worthy of mention.

Jas. D. Cockroft, Northport, N. Y.—Vase of new dark pink carnation Northport. This variety shows up remarkably well, and is well worthy of honorable mention.

Scott Bros., Elmsford, N. Y.—Three vases of new carnations, most noteworthy among which was Wm. Eccles, a fine large bright red and exceptionally strong-stemmed carnation, well worthy of mention. Also British Triumph, a fine deep crimson, and Lady Northcliffe, a fine flesh pink; a fine flower and good calyx.

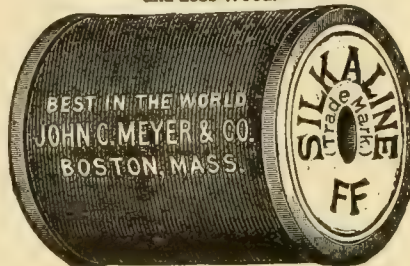
G. S. Ramsburg, Sommersworth, N. H.—Vase of Silver Pink snapdragon. A beautiful variety and highly recommended by the committee.

S. S. Skidelsky & Co., Philadelphia, Pa.—Vase of carnation, Philadelphia, a beautiful medium pink, exceptionally large flower, on long and remarkably stiff stems, and a very good calyx. Highly commended and considered by the committee as one of the best on exhibition.

S. M. Merwarth, Easton, Pa.—Vase of carnations Comfort, a new red with a long stem, attracted much attention.

E. G. Hill Co., Richmond, Ind.—Vase of carnations Commodore, a beautiful shade of red, large and well proportioned, flower of good substance, with

Do Not Take Any Fake Green Thread. Use the Genuine Silkline and Get More Thread and Less Wood.



JOHN C. MEYER & CO.,

Lowell Thread Mills,
1495 Middlesex St.,

Lowell, Mass.

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes

The MEYER Green

SILKALINE

Used by Retail Florists for mossing funeral designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it will not fade or rot in the greenhouse. The Meyer Silkline was the first green thread to be introduced among Florists and Growers. It is handled by the best houses everywhere, but it should be ordered by name—Meyer's Silkline—to be sure of getting the genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the manufacturers. Price for any size or color, \$1.25 per lb. Sizes "F" fine, "FF" medium, and "FFF" coarse.



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze, Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

CUT FERNS, Best Quality

1,000 at \$1.35;
2,000 at \$2.60;
5,000 or over \$1.20 per 1000

Robert Groves, 127 Commercial St. ADAMS, MASS.

SOUTHERN WILD SMILAX

New crop now ready Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

a stem that leaves nothing to be desired. The committee awarded it honorable mention.

Dailledouze Bros., Brooklyn, N. Y.—Vase of carnations, Enchantress Supreme, a decided improvement on Enchantress, of which it is a sport.

Cleveland Cut Flower Co., Cleveland, O.—Three vases of carnations, Washington, Sport of Enchantress and Rosette. All exceptionally well grown. Sport of Enchantress shows a decided improvement over its parent.

NOTES.

Fred Witthuhn left Friday, February 7, for Palmyra, Wis., to attend the funeral of his uncle. On his return he stopped off at Milwaukee for a short time, returning to this city late Monday evening.

Robt. Rahaley of the Michigan Cut Flower Co., Detroit, Mich., was a visitor here Monday, attending the Florists' Club's "novelty night."

Geo. W. Smith of the Cleveland Florists' Exchange made a flying visit to Pittsburgh, Pa., this week on business for the firm.

Geo. N. Mercer has joined the automobile squad and can now be seen daily going about in a fine new car.

The Cleveland Florists' Exchange handled in the neighborhood of 200,000 violets for Valentine week.

C. F. B.

We have a fine stock of fresh gathered

MOSS

Long and clean from sticks and it cannot be excelled for Florists' use

Burlapped

1 10 bbl. bale.....\$3.50
2 10 bbl. bale.....6.50

While our Present Stock Lasts.

These goods are Guaranteed. Rerences given

THE OCEAN COUNTY MOSS & PEAT CO.

P. O. Box 11, WARETOWN, N. J.

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

Mention the American Florist when writing

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50

A most pleasing substitute for Green Wild Smilax.
New crop Fancy and Dagger Ferns now ready.
Write, wire or phone.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN,

ALABAMA.

Mention the American Florist when writing

THE SPRING NUMBER

—OF—

THE AMERICAN FLORIST

TO BE ISSUED

March 6,

JUST RIGHT FOR THE

EASTER AND SPRING TRADE

—The Best Paid—

CIRCULATION

—To the Trade in the Trade—

Established in 1885

The paper is issued weekly and goes to all important
Florists, Nurserymen and Seedsmen

—in the—

United States and Canada

—and the—

Leading Houses Abroad.

The advertising rates are: \$1.00 per single column inch,
\$30.00 per page of 30 inches, with the usual liberal dis-
count on consecutive insertions.

To insure good location and display, advertising copy
and cuts should reach us early.

American Florist Co.,
440 S. Dearborn St., CHICAGO.

 "The Best Selling Medium in the Trade."



A CONSIGNMENT OF PALMS TO THE AUCTION DEPARTMENT OF THE MACNIFF HORTICULTURAL CO., 56 VESEY STREET, NEW YORK CITY.

OUR NEW BUILDING

At 56 Vesey St., New York City



Has been made necessary by the splendid increase in our business, and we are now located in most extensive and commodious quarters, only three doors above our old address, on Vesey Street.

We have secured a five-story building and have made extensive alterations. We now have every modern convenience for the comfort of our patrons, and for the prompt and efficient handling of all orders entrusted to our care.

ANNOUNCEMENT

We wish to announce that Mr. Walter J. Barnwell has been made Vice-President of our firm, and will have charge of our Seed Department.

Mr. Barnwell was for twenty years with the well-known firm of Peter Henderson & Co., of New York City.

Our Auction Department

is complete and most convenient, occupying the store, second floor and basement. Sales by auction of Plants, Nursery Stock and Bulbs will take place at eleven o'clock every Tuesday and Friday throughout the season, commencing in March and continuing until the end of December.

**Our New Seed and Auction Catalogues
Free for the Asking.**

We wish to take this opportunity to thank our customers for their esteemed patronage, as we owe our success to their kind support and sincerely hope for a continuance of the same in the future.

OUR NEW BUILDING AT 56 VESEY ST., NEW YORK CITY

Our motto is: "A SQUARE DEAL."

The MacNiff Horticultural Co.

56 Vesey Street, New York City

R. W. MACNIFF, President and Auctioneer

W. J. BARNWELL, Vice-President

LOUIS SCHMUTZ, Jr. Secretary

ROSES NOW IN CROP

NOTE REDUCTION IN PRICES

Our roses are all carefully sorted and packed and cut especially for the shipping trade. Buy your flowers direct from a large grower. You get a more even run of stock and much fresher cut. We send our stock from the greenhouses three and four times per day.

CARNATIONS IN LARGE SUPPLY

Fancy Red, Pink and White, per 100, \$3.00. Medium stems, Pink and White, per 100, \$2.00. Shorts and splits for funeral work, \$1.00 per 100.

CURRENT PRICE LIST. Subject to change in market.

American Beauties

	Per doz.
Specials, extra long stems.....	\$ 6 00
36-inch stems.....	5 00
30-inch stems.....	4 00
20 to 24-inch stems.....	3 50
12-inch stems.....	1 50

Carnations

	Per 100
Fancy Pink, White and red.....	\$3 00
Medium Pink and White.....	2 00
Short and splits, white and pink for funeral work.....	1 00

Rhea Reid, Ward, Richmond, White and Pink Killarneys

	Per 100
Extra select.....	\$10 00
Medium.....	\$5 00 to 8 00
Short.....	4 00 to 5 00
Short Wards.....	5 00 to 6 00

Miscellaneous

	Per 100
Harrisii Lilies, per doz.....\$1 50:	10 00
Jonquills.....	\$2 00 to 3 00
Narcissus Paper White.....	2 00 to 3 00
Lily of the Valley.....	3 00 to 4 00
Tulips, all colors.....	2 00 to \$3 00
Tulips, double.....	3 00 to 4 00
Sweet Peas.....	50 to 1 00
Asparagus Sprays.....	3 00 to 4 00
Sprenger.....	2 00 to 3 00
Ferns, per 1000.....	2 50
Smilax, per doz.....	1 50 to 2 00
Adiantum.....	1 00
Galax, bronze, per 1000.....	1 00

BASSETT & WASHBURN

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.
LONG DISTANCE PHONE, CENTRAL 1457.

Chicago.

ROSES MORE PLENTIFUL.

The St. Valentine's day trade was good this year considering the Lenten season, and the wholesalers in general seemed to be well pleased with the week's receipts. Violets sold well and it is estimated that over 1,750,000 were handled on the market during St. Valentine's week, including, of course, both the double and single varieties. The quality of the stock was good throughout, much better than in former years, and most of the stock sold at wholesale at prices ranging from 30 cents to \$1 per 100. The demand for the other flowers was also good, especially for roses and orchids, but the latter did not bring the prices expected. Business since St. Valentine's day has been fair, with plenty of stock of all kinds. Long-stemmed American Beauty roses are none too plentiful, but there is a good supply of short and medium-stemmed flowers. Killarney and White Killarney are seen in larger supply, but Richmond is off crop. Some fine My Maryland are to be had; also Mrs. Aaron Ward, but the supply of Sunburst is limited. Lily of the valley was a little scarce the opening of the week. Home-grown gardenias are also scarce and what little supply of good flowers there is arriving is sold quickly at \$3 and \$4 per dozen. Lilies are in good supply and some blooms of splendid substance and size are to be had from the dealers handling them. Callas too are plentiful. Sweet peas are being received in large quantities and beautiful long-stemmed flowers of all colors are obtainable. Carnations are seen in large supply at all the stores, but there is very little first-grade stock arriving and it is safe to say that 50 per cent of the blooms that

are now arriving in the market are splits. Carnations have had a tendency to advance slightly in price, but the advance cannot come too soon to suit the grower, who is at present pretty much discouraged. Bulbous stock is still too plentiful. Large quantities of tulips of all the leading varieties, both double and single, are received daily, and narcissi of all kinds are in bountiful supply. Besides Von Sion there are Golden Spur, Trumpet Major and a few Emperors and Orange Phoenix. Mignonette, marguerites, calendulas, Roman hyacinths, antirrhinums and stocks both single and double are also among the daily offerings.

NOTES.

A. L. Vaughan & Co. have added another American Beauty rose shipper to their list and are now receiving large regular daily shipments of these flowers. The first shipment that arrived contained some excellent flowers and if the balance are of the same quality this firm will never have any difficulty in moving the stock.

Edgar Winterson, Jr., chairman of Florists' Club's sports committee, is arranging several games with out-of-town bowling teams and will very likely play Milwaukee here or in the Cream City in the near future. Anyone wishing to bowl on the local teams should notify Mr. Winterson immediately.

Sinner Bros. have recently made many improvements in their greenhouses and the range is now in better shape than it has been for some time. The proprietors were unfortunate in having a run of bad luck last year, but 1913 with them promises to be much better.

The next annual meeting of the Illinois State Florists' Association will be

held at Peoria March 4-5. The local delegation will leave on the Rock Island Railroad from the LaSalle street station at 9:10 a. m., arriving at 1:25 p. m., March 4.

The Batavia Greenhouse Co. is now in better crop with Killarney and White Killarney roses. O. Johnson says that the demand for American Beauties is so brisk that his stock is sold almost every day long before the closing hour.

Mrs. F. C. Thom has rented her new building at 1641 Milwaukee avenue, which adjoins her establishment, to the People's Gas Company. She also is making preparations to build a conservatory in the rear of her store.

Phil. Schupp and wife are visiting friends in the south, their last stop being Louisville, Ky. Wm. Homberg, as usual, is in charge of the J. N. Budlong store during Mr. Schupp's absence.

Chas. W. McKellar says that there was an increased demand for orchids at his store on St. Valentine's day and that \$6.00 per dozen in a few instances was the highest price received.

The Cook County Florists' Association will meet at the Tavern on Thursday, February 20, when the election of officers for the ensuing year will be held.

Blewitt & Prickett, proprietors of the Des Plaines Floral Co., have purchased two Brush automobiles and will convert one into a delivery car.

John Mangel had a fine triple column display advertisement in the February 12 issue of the Tribune.

Frank Farney, representing the M. Rice Co. of Philadelphia, Pa., called on the trade here this week.

Ove Gnatt, of Hammond, Ind., returned from his European trip on February 14.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

CARNATIONS

In Large Quantities for All Occasions. Write for Special Prices on Large Lots.

Roses of all Kinds

Short, Medium and Long in larger supply to Meet All Demands. Also a good supply of Single and Double VIOLETS, VALLEY, TULIPS, JONQUILS and SWEET PEAS.

Current Price List.

SUBJECT TO CHANGE WITHOUT NOTICE.

AMERICAN BEAUTIES		Per Doz.	RICHMOND.		Per 100	CARNATIONS—		Per 100
Specials		\$6.00	Long		\$10.00 to \$12.00	Fancy		\$3.00
36-inch		5.00	Medium		8.00	Medium		2.00
30-inch		4.00	Good short		4.00 to 6.00	Splits and Shorts		1.00
24 to 28 inch	2.00 to	3.00	KILLARNEY.			ORCHIDS,		
18 to 20-inch		1.50	Long		\$10.00 to \$12.00	TRIANAE	per doz.	4.00 to 6.00
Short stem	Per 100	6.00 to 10.00	Medium		8.00	DENDROBIUM FORMOSUM	doz.	5.00
PRINCE DE BULGARIE, Antoine Riviere or Mrs. Taft.			Good short		4.00 to 6.00	EASTER LILIES		10.00
Long		\$12.00 to \$15.00	WHITE KILLARNEY.			JONQUILS		3.00
Medium		8.00 to 10.00	Long		\$10.00 to \$12.00	DAFFODILS		3.00
Short		4.00 to 6.00	Medium		8.00	TULIPS		3.00 to 4.00
MELODY, long			Good short		4.00 to 6.00	ADIANTUM CROWEANUM		1.00
Medium		10.00 to 12.00	Extra special Roses. charged accordingly.			MEXICAN IVY	per 1000	\$6.00
Short		8.00 to 10.00	VIOLETS, Princess of Wales		\$.50 to \$.75	SMILAX		16.00
MRS. AARON WARD.			Double, New York		.50 to .75	SPRENGER PLUMOSUS SPRAYS	3.00 to	4.00
Long		10.00 to 12.00	Double, Glencoe, home-grown		1.00	PLUMOSUS STRINGS, extra long and heavy	each, .60	
Medium		8.00 to 10.00	ROMANS		\$2.00 to 3.00	FERNS	per 1,000	2.00
Short		4.00 to 6.00	SWEET PEAS		.75 to 1.00	GALAX	per 1,000	1.25
LADY HILLINGDON.			Long Fancy		1.50	LEUCOTHOE	per 100	.75
Long		10.00 to 12.00	VALLEY		\$3.00 to \$4.00	BOXWOOD, fine bright green		
Medium		8.00	NARCISSUS, Paper White		3.00	per bunch, 25c; per 50-lb. case,		7.5
Short		4.00 to 6.00						

Supply Department

Poehlmann's Improved Sprinkler



Believing this Sprinkler to be the best one of its kind made, we have secured the Agency for the sale of them in the United States. It is guaranteed to last a year, free from defects of all kinds caused by ordinary wear. It is made of pure Para Rubber and holds the same capacity as the large Sprinkler, hard rubber top, brass ferrule, easily filled. Try one, Parcel Post Prepaid, \$1.00 each; \$10.50 per dozen.

To Jobbers, special inducements.

We are the central market for all accessories in the line of Florists' Supplies. New goods, prompt delivery.

Order now an assortment of Plant and French Flower Baskets for Easter, also Sheet Moss and Basket Foil. Corsage Ties, Shields, Butterfly Bows, Pins, Etc.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

LARGE SUPPLY BEAUTIES--ROSES--CARNATIONS

CURRENT PRICE LIST.—Subject to change without notice.

American Beauties.

Per Dozen	Per Dozen
60 in. stems.....\$5 00	24-in. stems.....\$2 00
48-in. stems.....4 00	20-in. stems.....1 50
36-in. stems.....3 00	15-in. stems.....1 00
30-in. stems.....2 50	

Killarney.

Per 100
Extra special.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stems.....4.00

My Maryland

Per 100
Extra Specials.....\$10.00
Select.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00

Roses, our selection - - - \$4.00

Mrs. Jardine, Long.....\$10.00

Medium.....6.00

Richmond

Per 100
Extra specials.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stem.....4.00

White Killarney

Per 100
Extra specials.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stems.....4.00

Carnations Good.....2.50 to 3.00

Medium.....2.00 | Short.....1.50

LILIES.....per doz., \$2.00; 15.00

FERNS, per 1000.....\$2.50

SMILAX, per doz.....\$1.50 to 2.00

ADIANTUM, per 100.....1 00 to 1.50

GALAX, per 1000.....1.00

SPRENGERI, per bunch......50

ASPARAGUS SPRAYS, per bunch......50

Poehlmann Bros. Co. did a good business St. Valentine's week which is not at all surprising for trade is always pretty lively at this establishment. The supply department has secured the agency in this country for a new sprinkler which is made of para rubber and guaranteed to last a year. In the plant department at Morton Grove everything is going along nicely and the stock is all in fine condition. This branch of the business is now showing a fine line of palms.

The Chicago Flower Growers' Association did a fine business St. Valentine's week and the manager thinks the retailers did also, for the following Saturday trade was brisk, the regular supply of carnations was disposed of before the store closed at night.

Bassett & Washburn are certainly cutting a tremendous quantity of carnations and the average daily cut is still some 10,000 blooms. Lilies are also seen in quantity at this store and the supply of roses in general is increasing.

Hughes, the plant man, has had an offer from the city for his Douglas boulevard range of greenhouses and will likely sell out soon and build another range on West Twelfth street, near Harlem avenue.

Kyle & Foerster are now receiving a good supply of some of the finest sweet peas of the season and both of the proprietors take great pleasure in showing them to their many customers.

Peter Reinberg's new Mack auto truck, which was the center of attraction at the show in the Coliseum last week, was pressed into service for the first time on February 19.

Mrs. Louis Winterson is enjoying a trip through the south, which will



SATISFIED CUSTOMERS

Tell us that our baskets are the best obtainable. Send for a \$5.00 or \$10.00 Easter assortment and we will bill you at factory prices. DO IT NOW.

RAEDLEIN BASKET COMPANY

713-717 Milwaukee Ave., Chicago

terminate at Odessa, Fla. She is at present visiting relatives at Louisville, Ky.

A. F. Longren, Poehlmann Bros.' traveling representative, was in the city on February 17, but started out on another trip the same day.

The A. L. Randall Co. has made a number of changes at its store during the past week, the principal one being a stairway to the top floor.

John Kruchten says that the demand for gardenias is very brisk and that these flowers continue to command good prices.

Chas. A. Samuelson has a very attractive violet advertisement in the south side street cars this week.

D. E. Freres' shipments of roses from the Adam Zender greenhouses

now contain fine Killarney, White Killarney and Richmond.

Hoerber Bros. are offering fancy Butterfly sweet peas now in addition to their regular line of stock.

Joseph Ziska's supply and wire departments are working overtime to catch up on orders.

Erne & Klingel received their first shipments of Narcissus poeticus on February 15.

Wedding bells will soon ring twice at 1361 North Clark street. Particulars later.

Henry Wittbold writes that he is having a delightful time on his southern trip.

Frank Beu will wholesale his stock at Percy Jones' store on and after March 1.

BEAUTIES

Extra Large Supply of Long Stemmed Flowers of Unsurpassed Quality at Very Reasonable Prices. Good Color, Foliage and Stem.

ALSO A BIG SUPPLY OF CARNATIONS AND ROSES

Fine White Killarney, Richmond, Maryland, Melody, Mrs. Aaron Ward and Sunrise

Current Price List.

Subject to change without notice.

AMERICAN BEAUTIES		Per doz.			Per 100			Per 100
Extra long.....		\$ 5 00	White Killarney, Special.....		10 00	Valley.....		3 00 to 4 00
36-inch stems.....		4 00	Medium.....	6 00 to	8 00	Violets.....		75 to 1 00
30-inch stems.....		3 00	Short.....		4 00	Sweet Peas.....		75 to 1 00
24-inch stems.....		2 50	My Maryland, Special.....		10 00	Romans.....		2 00 to 3 00
20-inch stems.....		2 00	Medium.....	6 00 to	8 00	Asparagus, bunch.....		2 00 to 3 00
18-inch stems.....		1 50	Short.....		4 00	“ strings, 60c to 75c ea.		2 00 to 3 00
12 to 15-inch stems.....		1 00	Sunrise, Select.....		10 00	“ Sprenger.....		2 00 to 3 00
Shorts.....		\$ 50 to 75	Medium.....	6 00 to	8 00	Smilax.....		1 50
Richmonds.....	Per 100		Short.....		4 00	Mexican Ivy.....		75
Select.....	\$10 00		Roses our Selection.....		5 00	Galax, bronze and green.....		
Medium.....	6 00 to	8 00	Carnations, Fancy.....		3 00	Leucothoe Sprays.....	per 1000. \$1 25	75
Shorts.....		4 00	Select.....	1 50 to	2 00	Boxwood, per bunch.....	25	
Killarney, Special.....		10 00	Harrisii Lilies...per doz..	\$1 50		Ferns, per 1000.....	\$2 50	
Medium.....	6 00 to	8 00						
Short.....		4 00						

Peter Reinberg

30 East Randolph Street

L. D. Phone, Central 2846

CHICAGO

“The Busiest House in Chicago.”

—“Do It Now”—

never applied to anything better than to the purchasing of Cut Flowers and Greens at the present time. We are all from Missouri, so please write or come in and “show us” and we will get busy and show you. Lowest market prices on everything seasonable in Cut Flowers and Greens. Remember, there is no better time than the present. DO IT NOW.

J. B. DEAMUD CO.

Phones } Central 3155. 160 N. Wabash Av., CHICAGO
Auto. 44-389.

PERCY JONES

H. VAN GELDER, Pres.

L. D. Phone, RANDOLPH 3671

L. M. JONES, Secy.

Wholesalers of

Cut Flowers and Florists' Supplies

1,000,000

bulbs were planted by our growers last season, so you can readily imagine what an enormous quantity of flowers we now have to offer. In addition to a full line of bulbous stock we have an abundant supply of fancy carnations, sweet peas and all other flowers now in season. Allow us to quote you prices before buying elsewhere.

Write for Our Weekly Price List.

Ribbons and Chiffons our Specialty

56 E. Randolph St.,

CHICAGO

N. J. Wietor says that the St. Valentine's day trade was very brisk at the Wietor Bros.' store and that in course of another year the sales on this day will equal those of a good Thanksgiving. His firm is now cutting a good supply of roses, with Mrs. Jardine and My Maryland showing up exceptionally well. The carnation supply is quite large and fine stock is being sold at the store.

M. Matchen, the chief engineer at the Peter Reinberg establishment, has taken the local agency for the Detroit steam trap and is now making a bid for the business in this territory. He is giving the trap a thorough trial in the Reinberg greenhouses and says that it is working in A1 condition. Mr. Matchen and Tim Matchen, Peter Reinberg's storeman, are brothers.

George Perdikas, the South Wabash avenue florist, had a record breaking Valentine's day trade and disposed of a vast quantity of violets. He has three stores now and it would not be at all surprising if he would soon open another.

H. B. Gerhardt, of Wilmette, says his St. Valentine's day trade was the best ever. He disposes of the entire output of 12,000 feet of glass at retail and often finds it necessary to buy on the market besides.

Henry Gabel, one of the Chicago Carnation Co.'s traveling representatives, has returned from a western trip with a nice lot of orders for his firm's new scarlet seedling carnation. The Herald.

Louis Wittbold and Fred Nelson are testing out a couple of auto trucks this week with the intention of purchasing another machine for the Geo. Wittbold Co.'s delivery service.

Peter Weiler of the Superior Machine & Boiler Works says that the

FLORISTS' DECORATIVES

WE sell imported, natural preserved **Adiantum, Sea-Moss, Areca, Sheet-Moss, Grass**, etc. Also **waxed roses** in all colors; best for funeral designs. We manufacture **Magnolia Leaves, Wistaria Leaves** and hundreds of other kinds too numerous to mention. We sell at lowest wholesale prices. Every florist should have our new CATALOGUE. It contains new ideas in decoratives of every description. Write for it TODAY, mentioning CATALOGUE A. T.

SCHACK ARTIFICIAL FLOWER CO. : CHICAGO
1739-1741 Milwaukee Avenue

steel question is none too encouraging yet and that orders must still be placed well in advance to insure delivery.

The J. B. Deamud Co. is showing a full line of all seasonable flowers and reports a good St. Valentine's day trade. Mr. Deamud has returned from a business trip to Michigan.

Sidney Buchbinder says that Buchbinder Bros. will sell more refrigerators in 1913 than any other year if the orders continue to arrive as they have during the last month.

Peter Propps, of the Chicago Flower Market, is recovering from a severe case of blood poisoning. He had one of his fingers amputated a short while ago.

John Zech, of Zech & Mann, had a very pleasant visit this week from his old friend, Wm. Hartshorne, head gardener at the Joliet penitentiary.

It is rumored that Lubliner & Trinz, the East Randolph street florists will

open a new store in the Plankinton block in Milwaukee, Wis.

A. Henderson & Co. report trade as very brisk with no let-up in orders. D. P. Roy is lending a hand in the shipping department.

John Michelsen says that the E. C. Amling Co.'s St. Valentine's day trade was very satisfactory, all things considered.

Weiland & Risch are on the job as usual with their fine line of roses, carnations and other miscellaneous stock.

Kennicott Bros. Co.'s line of bulbous flowers is complete and a large supply of fine stock is now to be had here.

George Reinberg is still featuring fine callas in quantity and has every reason to feel proud of the fine stock.

C. L. Huffert, 4011 North avenue, says that funeral work is very brisk this February.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

Large Supply of
SINGLE VIOLETS DOUBLE

— AND —

Carnations

Also Fancy Sweet Peas,
Tulips, Jonquils, Roses,
Carnations and All Other
Seasonable Cut Flowers

PUSSY WILLOWS, 50c per Bunch.

Current Price List.

Subject to change without notice.

	Grade	A	B	C	D	E
American Beauties.....	per dozen	\$ 6.00	\$ 5.00	\$ 4.00	\$3.00	
Killarney.....	per 100	12.00	10.00	8.00	6.00	5.00
White Killarney.....		12.00	10.00	8.00	6.00	5.00
My Maryland.....		12.00	10.00	8.00	6.00	5.00
Richmonds.....		12.00	10.00	8.00	6.00	5.00
Mrs. Aaron Ward.....		12.00	10.00	8.00	6.00	5.00
Sunburst.....		12.00	10.00	8.00	6.00	5.00
Carnations.....		4.00	3.00	2.00	1.50	
Callas.....		20.00	15.00			
Lily of the Valley.....		4.00	3.00			
Violets, Extra fine single.....		1.50	1.00			
Double.....		1.50	1.00			
Sweet Peas.....		1.50	1.00			
Romans.....		4.00	3.00			
Paper White Narcissus.....		3.00	2.00			
Jonquils.....		4.00	3.00			
Tulips.....		4.00	3.00	2.00		
Easter Lilies.....		15.00	12.50			
Daisies.....		1.50	1.00			
Asparagus Plumosus Sprays.....	per 100	4.00	3.00	2.00		
Asparagus Sprenger Sprays.....		3.00	2.00			
Mexican Ivy.....		.60				
Smilax.....		16.00	12.50			
Galax, Green and Bronze.....	per 1000	1.00				
Ferns.....		2.00				
Boxwood.....	bunch	.25				
Adiantum.....	per 100	1.00	.75			

SUPREME QUALITY BEAUTIES

In Quantity at Prices that Are Right. Also Everything else Seasonable in Cut Flowers and Greens, particularly an extra fancy grade of Ferns. : : :

A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.,

L. D. Phone:
Central 2761

CHICAGO

J. A. Arnold says that the Pulverized Manure Co. is having an unusually brisk demand for cattle manure at present but manages some how or other to take good care of its regular patrons. Dwight L. Harris returned from an eastern trip last week but started out again shortly after his arrival in the same direction.

Percy Jones is more than pleased with the outlook for the spring business, especially in the supply line and this department is being rapidly stocked up with new goods. The cut flower department is not idle either, and F. J. Simon, who is now in charge of this end, says that trade in general is good.

Wm. Wichtendahl, of Maywood, is using the Kroeschell threaded tube piping system in his new section.

The Atlas Floral Co. reports a heavy run on funeral work and a brisk St. Valentine's day trade.

C. L. Washburn will celebrate another birthday on February 27.

Visitors: Frank Farney, representing M. Rice Co., Philadelphia, Pa.; J. E. Jones, Richmond Ind.; — Freyling, of Freyling & Mendels, Grand Rapids, Mich.; C. W. Townsend, Negaunee, Mich.; Wm. Craig, Philadelphia, Pa.

DALLAS, TEX.—The Lang Floral & Nursery Co. has increased its capital stock from \$46,000 to \$70,000.

LAKE GENEVA, WIS.—The election of officers of the Lake Geneva Gardeners and Foremen's Association February 15, resulted as follows: Jos. Krupa, president; Axel Johnson, vice-president; W. H. Griffiths, secretary-treasurer.

St. Louis.

ADVERTISING SELLS STOCK.

Publicity had an inning and scored St. Valentine's day. Placards were hung in all the stores pushing trade and the results were the best seen in years. Violets had the call and ranged in price from \$6.00 to \$10.00 a thousand. Roses, carnations and sweet peas sold well; in fact, everything was cleaned up. Roses and carnations of good quality continue scarce. The weather is clear and warming up.

NOTES.

The St. Louis Florists' Club held a very important and enthusiastic meeting last Thursday. Publicity was discussed. Forty members were present; F. H. Weber in the chair. The attendance would have been larger, but preparations for St. Valentine's day

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street

L. D. Phone, Randolph 6578

CHICAGO, ILL.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids, Violets and Other Seasonable Stock.

Long Distance Phone
Central 3598.

kept many of the growers from attending. R. J. Windler, of this city; S. S. Skidelsky, of Philadelphia, Pa.; — Janeke, of Shaw's Garden, and Fred Ammann, of Edwardsville, Ill., spoke on the benefits of publicity. S. S. Skidelsky, of Philadelphia, Pa., showed his new carnation Red Light. John Steidle, of Olivette, Mo., showed a pink and purple seedling. C. E. De Wever, of Olivette, Mo., spoke on regulation of prices. The carnation meeting in March will be held at Wm. C. Smith's Wholesale Floral Company and the April meeting at Shaw's Garden.

Charles Young, of the firm of C. Young & Sons, stated that their St. Valentine's day business eclipsed any in many years. The firm did a rushing trade at their west end store. At their greenhouses the outlook for Easter is very good. They expect a large quantity of lilies, spireas and hydrangeas.

The Wm. C. Smith Wholesale Floral Co.'s store was a fine sight last Friday. Their counters were well filled with the finest stock of violets and sweet peas ever produced here. Their sales were immense and very satisfactory.

We regret to announce the death of Mrs. Henry Emunds at Kansas City, mother of Henry Emunds, of Belleville, Ill. Henry left for St. Louis Friday to attend the funeral.

Grimm & Gorly did an immense Valentine day trade. The Mullanphy Flower Co. had all they could do. They had an immense and beautiful display of everything.

Joe Ent, the Union Florist, makes a very pretty window display. His windows are much admired by patrons of the suburban car line which passes his door.

The Windler Wholesale Floral Co. had a large supply of stock for Valentine day and seems to have a system of cleaning out everything in sight.

Ostertag Bros. will have the decorations at the automobile display next week. They did an immense St. Valentine's day trade.

The Kelley Floral Co. had a fine display on St. Valentine's day. Their stock of gold fish is the finest in the city.

Alex. Waldbart's, Ayers' Floral Co., Weber's and Miss Newman all report the Valentine day business very good.

G. M. Thost, of De Soto, Mo., is shipping some extra fine carnations to this market.

George H. Angermueller had a good supply of pink roses, lilies and lily of the valley.

H. G. Berning's supply, as usual, was very large and from all reports sold well.

C. A. Kuehn had some fine stock just in time for St. Valentine orders.

A. W. May is bringing some fine carnations and sweet peas to this market.

W. F.

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers
at Lowest Market Prices.

30 E. Randolph St., CHICAGO

Mention the American Florist when writing

Montreal.

TRADE VERY BRISK.

Trade during last week was quite lively and Lent has not made itself felt so far. Flowers are plentiful and in great variety. All stores have big displays of cut blooms in their windows. Easter plants are coming along nicely, but it will be extremely difficult to bring enough lilies on time; as far as present appearance go they are a very uneven lot and will have to be carefully graded. Roses in pots are promising, with a good show of buds. There are some spireas and a lot of other stock in sight, such as azaleas, lilacs and bulbous plants. On cut flowers we have to depend on outside growers, but the Montreal Floral Exchange (wholesale only) is ably looking after this end and it is said that they handle 75 per cent of the cut flowers coming to this city.

Chicago Bowling.

COOK COUNTY FLORISTS' LEAGUE.

There is a two-men team tournament on now at Bensinger's West Randolph street alleys that will continue for six weeks at the close of which \$200 in prizes will be awarded to the winners. Pete Hawley, manager of the alleys, has set aside a special prize for the Cook County Florists' Association league which ought to be an inducement for all its members to enter the contest. Allie Zech and Fred Price lead the florists so far in the tournament race with a three game total of 1,059 pins.

Team Standings.

Won. Lost.		Won. Lost.	
Roses	27 24	Orchids	25 26
Violets	28 23	Carnations	22 29

Individual and team scores for games played Wednesday, February 12:

Violets.		Orchids.	
Cole	150 147 153	Krause	138 149 156
Jacobs	193 176 139	Graff	141 185 182
Wolf	147 198 175	Brostrom	149 200 139
Schultz	169 199 172	Fred'op's	174 125 156
J. Hueb'r	162 203 193	J. Zech	178 157 169
Totals	821 923 831	Totals	780 816 802

Roses.		Carnations.	
Kochler	122 140 115	Lorman	191 167 135
Price	163 212 202	Lieberman	183 196 161
Byers	135 172 116	Armstrong	169 136 161
Pischer	182 207 179	Ayres	155 196 133
Scheaden	118 141 143	A. Zech	156 149 181
Totals	721 812 779	Totals	854 844 711

GOLDFISH



"Something
Alive in the
Window"

Catches
the public eye.

Order your
supply now.

\$3.00 per 100
and up.

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SEND TEN CENTS

FOR A SAMPLE OF THE

Ever-Ready Flower-Pot Cover.



Strong cardboard foundation. Best waterproof crepe paper, silk fibre ribbon-ties at top and bottom. Firmly held with improved metal fastenings. Furnished in four colors and made in many sizes. An Ever-Ready Flower Pot Cover around the old clay pot will increase the value of the plant considerably and add to your profits. Send 10c for a sample today.

Manufactured by the

EVER-READY FLOWER-POT COVER CO.

WM. H. GREVER, Manager

146 Hughes Avenue

BUFFALO, N. Y.

WIETOR BROS.

Wholesale **CUT FLOWERS**
Growers of

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

WINONA, MINN.—The greenhouse of John Fuhlbruegge was damaged by fire February 5. The loss was about \$400. Heroic efforts saved the plants from freezing and Mr. Fuhlbruegge from a loss of several thousand dollars.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House
66 E. Randolph Street, Phone Central 1496. **CHICAGO**
Everything in Cut Flowers and Supplies.

BOXWOOD

Extra Fine, \$7.50 per case.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS
163-165 N. WABASH AVE. **CHICAGO**
 L. D. Phone Central 466

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Wholesale Florists and
 Decorating Specialists.

Headquarters for

**Mexican Ivy,
 Wild Smilax**

and General Supplies.

OUR PRICES WILL SURPRISE YOU.

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Phones { Randolph 4708—Office.
 { Rogers Park 227—Nursery.

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Wholesale Growers of **Cut Flowers**

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., **CHICAGO**

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Wholesale Florists

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Telephone, Central 3284.

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John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
 Our Specialties.

Mention the American Florist when writing

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Wholesale Florists,

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

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J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
 and CARNATIONS
 A Specialty.....

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THE LARGEST,
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 WHOLESALE
 CUT FLOWER HOUSE
 IN CHICAGO.

68-70 E. RANDOLPH STREET

CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Feb. 19.	Per doz.
Roses, Beauty, specials.....	\$0 00
.. " 36 in.....	5 00
.. " 30 in.....	4 00
.. " 28 in.....	3 00
.. " 15-20 in.....	1 50@ 2 00
.. " 12 in.....	1 00
.. " Short.....	\$6 00@10 00
.. Killarney.....	4 00@12 00
.. White Killarney.....	4 00@12 00
.. Richmond.....	4 00@12 00
.. Prince de Bulgarie.....	4 00@15 00
.. Radiance.....	4 00@12 00
.. My Maryland.....	4 00@12 00
.. Melody.....	4 00@12 00
.. Mrs. Jardine.....	4 00@12 00
.. Lady Hillingdon.....	4 00@12 00
.. Sunburst.....	4 00@15 00
Carnations.....	1 00@ 3 00
Dianthus.....	5 00
Cattleyas.....per doz., 4 00@ 6 00	
Gardenias.....	3 00@ 4 00
Jonquils.....	3 00
Lilium Harrisii.....	10 00
Narcissus, Paper White.....	3 00
Orchids Dendrobium, per doz., 5 00	
Romans.....	2 00@ 3 00
Tulips.....per doz., 3 00@ 4 00	
Violets.....	50@ 1 00
Valley.....	3 00@ 4 00
Sweet Peas.....	75@ 1 50
Adiantum Croweum.....	25
Boxwood.....per doz., 2 00@2 50	
Ferns.....per 1000, 1 25	
Galax.....	75
Leucothoe.....per 1000, 5 00@6 00	
Mexican Ivy.....per doz., 1 50@2 00	
Plumous Strings, each, 50@ 60	
Smilax.....per doz., 1 50@2 00	
Sprenger, Plumous Sprays.....	3 00@ 4 00

ROSES

White and Pink Killarney and Richmond
 Roses. Red, White and Pink Carna-
 tions. Callas, Sweet Peas, and
 Greens of all kinds.

W. E. Trimble Greenhouse Co.
Princeton, Ill.

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
 Killarney and White Killarney roses. All
 orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

**Wire Designs and Wholesale
 Florists' Supplies**

Write for Our New Catalog

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing



CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and **Greens**

Cycas Leaves!

100 choice cycas, sizes 20 in. to 40-in. for \$6.25. Other supplies at equally low prices. Write for list.

GEO. H. ANGERMUELLER

Wholesale Florist
1324 Pine St., St. Louis, Mo.

Philadelphia.

VALENTINE DAY TRADE GOOD

The feature of the week was the demand caused for St. Valentine's day. There was a ready sale for all the violets, sweet peas, gardenias and other flowers suitable for corsage bunches that were offered. Roses which have been off crop are becoming more plentiful and of superior quality, some fine Killarneys being seen. American Beauties, which have been almost prohibitive on account of the high price, are easing up and before long will be offered at popular figures. Carnations are about equal to the demand and clean up fairly well. Orchids, which took a "spurt" for the holiday, being very much used in valentine work, are still above the demand. In the highest grades exceptionally fine flowers are seen. Gardenia growers appear to have reached perfection with their specialty, as the stock coming to the market this season is much better than ever offered before. Many of the flowers are as large as camellias, borne on stems twelve inches or longer, with an abundance of glossy green leaves. There appears to be too many for the demand, however, as at times the prices range very low for such fine stock. The first crops of the Easter stocks of lilies are coming in, and from now on there will be no dearth of these flowers. Callas are also plentiful. Snapdragon has been in good demand at prices that were better than before the holidays. Some of the growers say that quite a good deal of the stock has come blind, but as the sun gets stronger they hope for better results. In speaking of prices, one of the wholesale men said he thought that the general run of prices for this season would be at least 10 per cent less than those realized last year. The reason for this he attributed to the increase in the supply, which is growing faster than the demand. There was an increased sale over that of last season, the shipping trade particularly growing in volume, but they never appeared, except in times of scarcity, to get ahead of the supply.

NOTES.

A prominent grower in speaking of expansion and the future of the market said he never ventured to tell another man how to run his business. If the demands of his business called for another house and he saw his way clear to do so, he went ahead and built it, regardless of what others were

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Feb. 19.		
Roses, Beauty, extra.....	50 00@60 00	Per 100
" " first.....	20 00@35 00	
" Brides and Maids.....	6 00@12 00	
" Killarney.....	6 00@15 00	
" White Killarney.....	6 00@15 00	
" Liberty.....	6 00@15 00	
Carnations.....	3 00@ 5 00	
Cattleyas.....	35 00@50 00	
Daffodils.....	2 50@ 3 00	
Freecias.....	3 00@ 6 00	
Gardenias..... per doz., 1 50@ 3 00		
Lilium Harrisii.....	10 00@12 00	
Lily of the Valley.....	3 00@ 5 00	
Calla Lilies.....	12 50@16 00	
Marguerites.....	1 50@ 3 00	
Snappdragons.....	15 00@25 00	
Sweet Peas.....	75@ 1 50	
Violets, single.....	75@ 1 00	
" double.....	75@ 1 00	
Adiantum.....	75@ 1 00	
Asparagus..... per bunch, 50		
Tulips.....	2 00@ 4 00	

PITTSBURG, Feb. 19.		
Roses, Beauty, special.....	50 00	Per 100
" " extra.....	30 00	
" " No. 1.....	15 00	
" Killarney.....	3 00@10 00	
" My Maryland.....	3 00@10 00	
" Richmond.....	3 00@10 00	
Carnations.....	3 00	
Calla Lilies.....	12 00	
Freecias.....	3 00	
Gardenias.....	3 00	
Daisies.....	2 00	
Cattleyas.....	50 00	
Violets.....	50@ 75	
Sweet Peas.....	75@ 1 00	
Lilium Longiflorum.....	12 00	
Lilium Rubrum.....	8 00	
Lily of the Valley.....	4 00	
Daffodils.....	3 00	
Tulips.....	3 00	
Paper White.....	3 00	
Romans.....	2 00	
Baby Primroses.....	50	
Oncidiums.....	4 00	
Adiantum.....	1 25	
Lilac..... per bunch, \$1 25		
Asparagus Sprengeri, per bunch, 35@40		
Sprays..... per bunch, 35@40		

MILWAUKEE, Feb. 19.		
Roses, Beauty, per doz., 2 00@5 00		Per 100
" White and Pink Killarney.....	5 00@12 00	
" Richmond.....	5 00@12 00	
Carnations.....	1 50@ 3 00	
Callas..... per doz., 1 50		
Lilium Giganteum..... per doz., 1 50@ 2 00		
Lily of the Valley.....	3 00	
Sweet Peas.....	1 00@ 1 50	
Tulips.....	2 00@ 3 00	
Trumpet.....	3 00@ 4 00	
Paper White.....	2 00@ 3 00	
Violets, Wisconsin grown.....	75@ 1 00	
Adiantum.....	1 50	
Asparagus..... per string, 50		
Sprengeri, per bunch, 35		
Boxwood..... per bunch, 25		
Ferns, common.....	2 00	
Galax..... per 1000, \$1 50		

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers
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Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

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WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St.,
Both L. D. Phones. ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

Per 1000
Dagger Ferns, \$1.50
Fancy Ferns, 2.00

THE LEO NIESSEN CO.,

Wholesale Florists,
 N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
 Lickrun, Cincinnati, Ohio

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
 Pittsburg, Pa.

Edward Reid

WHOLESALE FLORIST,
 1619-21 Ranstead St., PHILADELPHIA, PA

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

doing. He had always been able to dispose of his increased product and saw no reason now for doubting the future.

That this city is still leading as the country's center for florists' supplies is daily demonstrated, the approach of Easter bringing many of the trade from other cities. The M. Rice Co. entertained a prominent New York retailer one afternoon last week who came over especially to look their stock over and after leaving a good order left for home, saying that he felt very well repaid for his journey.

In spite of all the talk of overproduction there are a number of growers who seem to see a future in the business and are going ahead increasing their output. George Burton, who has been very successful with American Beauty roses, will add an additional house 56x275 feet for this variety. A new boiler and stack, together with a packing room and refrigerator, are also to be built.

For St. Valentine's day there was not much seen in the novelty line, most of the orders being for corsage bouquets of violets and gardenias, orchids, lily of the valley, sweet peas and roses. These were put up in fancy heart-shaped pasteboard boxes or the regular corsage bouquet box tied with tape or ribbons and sealed with the wax trademark or name of the house.

At the Leo Niessen market they had a very good trade for St. Valentine's day, all flowers being in demand. Sweet peas, lily of the valley and violets were leaders. American Beauty roses are a factor here.

Exceptionally fine cattleyas are the top-notchers at Edward Reid's Ranstead street establishment. Such fine flowers are a pleasure to handle. At least so says Mr. Reid.

At Berger Brothers' market spring flowers and violets were leaders. Richmond roses are also a feature. Business is reported good for the season.

The gilt arrows made by the M. Rice Co. made quite a hit and were seen in many of the boxes generally tied outside with a few flowers or pussy willow sprays. K.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, Feb. 19.		
Roses, Beauty, special.....	per doz.,	\$6 00
" " fancy.....	" "	5 00
" " extra.....	" "	3 00
" " No. 1.....	" "	2 00
" " No. 2.....	" "	50@ 75
Per 100		
" Maid and Bride.....		5 00@ 6 00
" Pink Killarney.....		5 00@12 00
" White Killarney.....		5 00@12 00
" Richmond.....		5 00@12 00
" My Maryland.....		5 00@12 00
" Aaron Ward.....		5 00@10 00
Carnations.....		2 00@ 3 00
Lilium Longiflorum.....	10	00@12 00
Lily of the Valley.....		3 00@ 4 00
Pink Japan Lily.....		3 00@ 5 00
Narcissus.....		2 00@ 3 00
Jonquils.....		2 00@ 3 00
Violets.....		50@ 60
Mignonette.....		3 00@ 6 00
Daisies.....		1 00@ 1 50
Adiantum Croweanum.....		75@ 1 50
Asparagus, per bunch.....	35@	50
Asparagus, Sprenger.....	35@	50
Ferns.....	per 1000,	\$2 00
Galax.....	per 1000,	\$1 50
Smilax.....		15 00
BOSTON, Feb. 19.		
Roses, Beauty, best.....	35	00@50 00
" " medium.....	18	00@25 00
" " culls.....		4 00
" White and Pink Killarney	2	00@ 6 00
Extra.....		
" Taft.....		6 00@10 00
" Cardinal.....		4 00@10 00
" Ward and Hillingdon.....		2 00@10 00
" Killarney and Richmond.....		2 00@ 8 00
" My Maryland.....		2 00@ 8 00
Carnations, select.....		1 00@ 2 00
Callas.....		8 00@12 00
Cattleyas.....		25 00@40 00
Gardenias.....		12 00@25 00
Lilium Longiflorum.....		8 00@10 00
Lily of the Valley.....		2 00@ 4 00
Sweet Peas.....		50@ 75
Smilax.....		12 00@16 00
Violets, single.....		35@ 75
" double.....		25@ 50
CINCINNATI, Feb. 19.		
Roses, Beauty.....	per doz.,	\$1 00@35 00
Per 100		
" Bride, Bridesmaid.....		3 00@ 8 00
" Killarney.....		3 00@ 8 00
" My Maryland.....		3 00@ 8 00
" Perle.....		3 00@ 8 00
" Richmond.....		3 00@ 8 00
" Taft.....		3 00@ 8 00
Carnations.....		2 00@ 4 00
Callas.....		12 50@15 00
Lilium Giganteum.....		12 50@15 00
Lily of the Valley.....		3 00@ 4 00
Orchids.....	per doz.,	4 00@ 6 00
Narcissus.....		2 00@ 3 00
Tulips.....		2 00@ 4 00
Jonquils.....		2 00@ 3 00
Roman Hyacinths.....		2 00@ 3 00
Violets.....		50@ 1 00
" double.....		50@ 75
Freelias.....		2 00@ 3 00
Sweet Peas.....		35@ 75
Adiantum.....		75@ 1 00
Asparagus Plumosus.....	per bunch,	25
Asparagus Sprenger.....	per bunch,	25
Mexican Ivy.....		75



Give Us a
 Trial
 We Can
 Please You.

Roses, Carnations and all kinds of
 Seasonable Flowers in Stock.

WM. F. KASTING CO., Wholesale
 Commission Florists,
BUFFALO, N. Y.
 Florists' Supplies and Wire Designs.

—THE—
J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

**Jobbers of FLORISTS' SUPPLIES,
 SEEDS and BULBS.**

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO

Wholesale Commission Florists

Consignments Solicited

Complete Stock of Florists' Greens and Supplies

St. Louis, Feb. 19.		
Roses, Beauty, long.....	per doz.,	4 00
Roses, Beauty, medium.....		8 00@15 00
Roses, Beauty, short stems.....		3 00@ 6 00
" Killarney.....		5 00@10 00
" My Maryland.....		5 00@10 00
" White Killarney.....		5 00@10 00
Carnations.....		2 00@ 3 00
Easter Lilies.....		10 00@12 50
Lilium Rubrum.....		8 00
Valley.....		4 00
Violets.....		40@ 60
Asparagus Sprenger.....		2 00@ 3 00
Asparagus Plumosus.....	per bu.,	35@60
Ferns, New, Fancy.....		1 75

New York.**PRICES REMAIN THE SAME**

While the condition of business in the wholesale district during the past week was not actually discouraging there was nothing to boast about. Some loose talk has been heard about New York being able to "take care" of everything that came here in the line of cut flowers. New York is a great city, great in all that tends toward human progress, but it cannot stand for the sins and sorrows of the whole nation, and relating to cut flowers, it should not be made the dumping ground for the entire country. Stock moved rather slowly during the early part of the past week, but it cleaned up very well on February 14 and 15. There seems to be a revival of interest in St. Valentine's day and all the retailers report good business. There has been practically no change in prices since our report of last week. There is an abundance of good stock.

Monday, February 17.—While there is a fair movement in stocks today the tendency of prices is downward. Heavy shipments of roses, carnations and bulbous stock are arriving, and there is more stock in sight than can be cleaned up.

NOTES.

An event worthy of note is the securing of another floor in the Coogan Building, Sixth avenue and Twenty-sixth street, by the New York Cut Flower Co. This is the floor recently occupied by A. J. Guttman and others. It is understood that all the present tenants, excepting the Henry M. Robinson Co., will immediately vacate. A. J. Guttman has already secured a store on Twenty-eighth street, near Sixth avenue. Manager Joseph Millang, of the New York Cut Flower Co., is expected home from Europe on February 22.

The sweet peas from the A. Zvolanek greenhouses, Bound Brook, N. J., are now being shipped to Philip Kessler, in the Coogan Building.

A. F. F.

New York Federation of Floral Clubs.

The regular meeting of the New York State Federation of Floral Clubs was held at the Agricultural College, Cornell University, Ithaca, Wednesday, February 12. Among those present were President Wm. F. Kasting, Secretary John Young, Treasurer W. A. Adams, Prof. J. F. Cowell, Harry A. Bunyard, W. H. Siebrecht, Sr., H. C. Steinhoff, Prof. A. C. Beal, Dr. Erl A. Bates, George E. Thorp, M. H. Hoffman, Fred Vick, John Dunbar, E. R. Fry, George Arnold, Dr. Edmund M. Mills.

There was a lecture by Dr. Edmund M. Mills on "The Rose and Its Culture," illustrated by lantern slides, and another by Harry A. Bunyard on "Twentieth Century Horticulture," also illustrated. "Asters and Their Culture" and "Diseases of Florists' Crops" were discussed by Geo. Arnold and Dr. Donald Reddick. This was followed by a business meeting. President Kasting reported as to the progress made toward getting an appropriation of \$60,000 from the state for greenhouses for experimental work. At the time the outlook was very favorable that the appropriation would be made. Dr. Erl A. Bates reported progress for his committee, which is seeking to get an appropriation for a horticultural building at Syracuse. In this matter they were having the support of the fruit and vegetable growers. President Kasting explained that if the appropriation was obtained 60 per cent would be used for experimental work in floriculture and the other 40

per cent in experimental work in vegetable culture.

Prof. Beal made a report showing the amount of greenhouses in the state, area covered, exclusive of sash and frame houses. Upon Dr. Bates' motion Prof. Beal was directed to prepare a letter to be sent to the clubs belonging to the federation to be distributed by them to their members, giving them information as to what was being done, and what we were trying to do and to cover the interesting points brought out in his talk to the federation. Prof. Cowell, Dr. Bates and Charles Vick were appointed a committee to get in touch with the new secretary of the State Fair Commission, to assist him in strengthening the flower show in connection with the state fair. Dr. Erl A. Bates, H. N. Hoffman and W. H. Siebrecht, Sr., were appointed a committee on extension to organize floral clubs in different parts of the state so they could join and make it the strongest organization of its kind in New York state. Mr. Siebrecht invited all the members and their friends to be present at the International Flower Show, New York, April 5-12, 1913, and promised all a good time. Meeting adjourned to meet at the state fair at Syracuse in September.

JOHN YOUNG, Sec'y.

Buffalo.**TRADE RATHER QUIET.**

This city usually gets its real winter some time between January and May each year and this has been no exception. The past week has been about as cold as one could wish for, with very good sleighing in the residence section. Social functions and weddings are rather quiet, many making the usual attempts to keep Lent as it should be. Funeral work has been very active.

NOTES.

The winter meeting of the New York State Federation of Floral Clubs was held at the Agricultural building at Cornell University, Ithaca, Wednesday, February 12. President Kasting presiding. There was a good attendance from New York, Rochester, Buffalo, Syracuse and Elmira. Secretary Young read his report of the Syracuse meeting and President Kasting outlined the provisions of the bill in the legislature asking for an appropriation for greenhouses for floriculture and vegetable growing under glass. It was farmers' week at Cornell and the attendance was very large. Those who were at the meeting from Buffalo were: W. F. Kasting, president; W. A. Adams, treasurer; Professor John F. Cowell, George Arnold, farm superintendent for Jas. Vick & Sons, Rochester, gave a lecture on aster growing, together with lantern slides. It was very interesting, as was also the lecture of Dr. Reddick on diseases of sweet peas, carnations and several other plants. Both lectures were well attended.

St. Valentine's day has got to be one of the best days in the year in this city. A judicious amount of the much talked of publicity by one of the local florists for several years in the daily papers has convinced the people that a bunch of violets, a corsage bouquet, or a box of spring flowers are more appreciated than the pretty card. Artistic boxes and other accessories to go with the flowers has made it a great day.

The last regular meeting of the Buffalo Florists' Club was held February 4. Nomination of officers was the principal business. The election will be held in March. The Florists'

Bowling Club went to Rochester February 17 to endeavor to maintain their past records and win again.

There have been several conventions and trade exhibits which have been followed by banquets. Those held in the hotels gave the florists doing hotel work some good orders, and as a whole trade has been very good.

S. A. Anderson, wife and two sons have returned from Bermuda. BISON.

Rochester, N. Y.**TOO MANY CARNATIONS.**

The market for the past week has been overstocked with weak-stemmed carnations. We had a very busy Valentine week trade. The market furnished an abundance of red roses, violets, sweet peas and narcissi for the occasion. We are in the grip of winter, but trade holds up fairly well.

NOTES.

The Vert bill was opposed as unjust, unworkable and unnecessary at the annual meeting of the National Association of Retail Nurserymen, held at the Chamber of Commerce assembly room on February 13. The bill is said to be unworkable since no way is provided for keeping a record of the trees from the time they are sold until they mature sufficiently to show their variety. Besides discussing the Vert bill, the association re-elected officers. They are Edward S. Osborn, president; J. H. Pitkin, vice-president; F. E. Grover, secretary-treasurer. About forty retail nurserymen attended the meeting. They represented for the most part New York and other Eastern states.

John Dunbar, president of the Rochester Florists' Association, and assistant superintendent of the Rochester parks, says the Markham elm, near Avon, of which only a small piece remains, may have begun to grow six hundred years ago. The immense size of this giant of the past can readily be judged from the hollowed and partial shell of the base which remains. The trunk of the elm was 45 ft. in circumference three feet above the ground, and at noon the shade of the branches extended over an acre. In the spring of 1893 the north side of the tree, which was mainly a shell, blew down.

At the monthly meeting of the Rochester Florists' Association, John Dunbar read two papers on "The North Carolina Poplar," and "Hardy Fruiting Trees and Shrubs," mentioning 110 specimens which are found in the city parks.

E. R. Fry is this week visiting Ithaca, for Farmers' week, he being a delegate. He also hopes to get ideas on farming, having recently purchased a 40-acre farm.

Horace J. Head, who was recently operated on at the hospital for appendicitis, is now spending a few weeks in the country to recuperate his health.

R. W. Wilson, manager of the Rochester Floral Co., was instrumental in capturing a burglar on the next floor above his store.

H. E. Wilson reports having had a very good Valentine trade and says business for the past week has been good.

Harry Bruel, representing G. B. Hart, started on the road last week.

Louis Dilloff of Schloss Bros., New York, called on trade this week.

H. J. H.

LANSING, MICH.—The Michigan Experiment Association, organized a year ago, will hold a special meeting February 26-27, during institute at the Michigan Agricultural College. Members of the organization will report on tests made of seed received for the experiment station.

PHILADELPHIA

NEW YORK

WASHINGTON

Siebrecht & Siebrecht, Inc.**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.

WHOLESALE FLORISTS,
109 West 28th St., NEW YORK.

Phones 608-609 Madison Square.

Lily of the Valley, Gardenias, Orchids, Violets, a Specialty.

Boston.

MARKET NONE TO GOOD.

The market is not any too good, yet roses are more plentiful, also bulbous stock, of which there is a fine array. Carnations are still coming in plentifully and violets are very druggly and somewhat hard to dispose of.

OPENING OF FLOWER EXCHANGE.

The opening of the Boston Flower Exchange Saturday, February 15, was a great event. The trade was represented from nearly all over the country. There were nice exhibits of flowers and plants of all kinds, and everything was of a high order. Some nice roses were exhibited. Milady from A. N. Pierson, Inc., Cromwell, Conn., was shown. This rose has been described before, and it has not lost any of its good qualities. From the Waban Rose Conservatories, Natick, Mass., came a new surprise, a new rose, a light pink very full, of splendid growth and a color unlike anything we have at present. They also exhibited their Mrs. Chas. Russell. The New England Conservatories, Exeter, N. H. showed some well grown commercial stock. Pink and White Killarney, Killarney Queen, and Richmond roses. S. J. Reuter & Son Co. showed some nice Melody, and Mrs. Ward roses. The carnations exhibited were in very fine shape. Peter Fisher, M. A. Patten, Wm. R. Nicholson and others showing some remarkable stock. Mayor Fitzgerald officially opened the meeting in the afternoon and was given a rousing reception. John Farquhar for the S. A. F. and Wm. Kennedy for the local Gardeners and Florists' Club made remarks. An orchestra supplied music. Many of the fair sex were present. Luncheon was served in the basement. It was a red letter day in the history of the local flower trade, and the new market is one that the trade must feel proud of with good light, plenty of room, and everything to do business quickly.

CO-OPERATIVE MARKET STICKS.

The stockholders of the Co-operative Flower Market held a meeting at the Quincy House, Wednesday night, February 12, to discuss consolidating with the Flower Exchange, and moving their business to Winthrop square. The records and correspondence between the two markets were read, to give the stockholders an idea of everything which had been done between the two committees from both markets. A general discussion followed. J. N. McFarland was chairman, B. A. McGinty advocated more publicity, and more telephones. J. M. Cohen said the publicity greatly depended on the salesman himself. If he got out and hustled the public would be forthcoming, and more business would come to the market. W. H. Elliot, who is landlord of the market and from whom the society hires it, spoke at length. The terms which the Cooperative Flower Market wanted would prohibit him from leasing, or letting it for the sale of flowers, he said. He stated he had spent \$12,000 to put the place in shape for a market, and it was fair he should be reimbursed for the 41-2 years the lease had to run, but he left it to the organization to do what they thought best. Chas. Robinson

Wholesale Flower Markets

NEW YORK Feb. 19.		Per 100
Roses, Beauty, special.....	40 00@50 00	
extra and fancy.....	30 00@35 00	
No. 1 and No. 2.....	2 00@15 00	
Bride, Bridesmaid special.....	5 00@ 8 00	
extra and fancy.....	3 00@ 4 00	
No. 1 and No. 2.....	1 00@ 3 00	
Killarney, My Maryland.....		
special.....	10 00@12 00	
extra.....	4 00@ 6 00	
No. 1 and No. 2.....	2 00@ 4 00	
Queen, special.....	10 00@12 00	
Red, special.....	10 00@12 00	
Hillingdon, Aaron Ward.....	12 00@15 00	
Richmond.....	6 00@25 00	
Sunburst, special.....	6 00@15 00	
Taft, special.....	12 30@15 00	
Mrs. Geo. Sawyer, special.....	15 00@25 00	
Carnations.....	1 00@ 3 00	
Jonquils.....	2 00@ 3 00	
Cattleyas.....	25 00@40 00	
Gardenias.....	10 00@30 00	
Tulips.....	1 00@ 2 00	
Lilies, Longiflorum and Harrisii.....	6 00@ 8 00	
L. Kubrum.....	1 00@ 2 00	
Lily of the Valley.....	2 00@ 3 00	
Narcissus, Paper White.....	1 00@ 1 50	
Sweet Peas, per doz. bunches.....	50@1 00	
Violets.....	25@ 40	
Adiantum Croweanum.....	15@ 50	
Asparagus Plumosus, doz. bchs.....	1 50@ 3 00	
Smilax.....per doz. strings.....	1 00@ 1 25	
Lilac.....per bunch.....	50@75c	
Freesias, per doz. bun.....	1 50@2 00	

didn't wish to express an opinion, because his trade was with both markets. R. E. Lassman was emphatic in his attitude to have the market stay where it was. The sense of the meeting was, that consolidation would have been a good thing and perhaps at some future time it might be brought around, but the agreements wanted were not good enough for them to dissolve and give up their charter, and it was stated that in the new market there were not stalls enough for all, and one man stated about 20 would have to go in the basement. David Duncan made a motion for a vote to be taken, which was, and showed a unanimous vote to stay in Park street, and do business. The meeting adjourned about 10 o'clock.

MAC.

Washington.

The automobile carnival called for some very pretty decorations. Geo. H. Cooke had the decoration for the Buick Co., which won the first prize, a large silver loving cup. J. H. Small decorated the show rooms of Cook & Stoddard, which carried off second honor. Both places were very beautifully decorated with smilax, palms and flowering plants.

Gude Bros. had the decoration for the wedding of Miss Ruth Noyes to Dr. Ralph Walker, at St. Thomas' church. The decorations consisted of smilax, palms, ferns and Easter lilies. The bridal bouquet consisted of white orchids and lily of the valley. The bridesmaids and flower girls carried large bunches of roses.

The ladies of the Washington Florists' Club were the guests of the Baltimore ladies on February 12, at a dinner. After dinner they bowled a few games.

Ed. Midomanski, with Geo. H. Cooke, has been laid up for a few days with the gripe.

Visitors: C. W. Nims, with A. H. Hews, Cambridge, Mass.; J. H. Smith.

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BUSINESS FAIR.

The weather last week was very favorable, but it did not bring with it any tremendous increase in business or anything of that kind. Business was, however, very fair. The very large receipts were taken up fairly well by the demand at only fair prices. The notable exceptions are double violets and lily of the valley. The call for both was expected to be very large last week because of St. Valentine's day. The first did not sell well because of the heavy receipts of home-grown single violets. When these come in strong at this season the doubles hardly seem able to compete with them. The lily of the valley did not elicit any unusually strong call and as a result the receipts were hardly taken up. The good, long sweet peas find buyers easily. The short ones go begging and move only at the very lowest prices. Roses of all kinds are selling very well. The demand and supply are about equal, although on some days the latter runs a little ahead of the call. Choice American

Beauty roses are in large supply and do not clean up entirely. The carnation supply is still very large and includes very many splits and culls. The good ones sell well. The demand for giganteum lilies is not quite as strong as it was a fortnight ago. The supply of tulips, jonquils, daffodils and hyacinths continues larger than the call for them and as a result some very excellent stock is moving at prices below its real value, while the poorer grades are hardly selling at all.

A baby girl, weighing 11½ pounds, arrived at the home of Ray Murphy last Saturday. Mother and baby doing nicely. Congratulations.

Henry Gockels' home was burned Sunday evening. The volunteer firemen were unable to cope with the flames.

C. E. Critchell has been getting some good sized orders for oak sprays and purple ruscus.

Visitors: Milton Alexander, with Lion & Co., New York; H. D. Crowell, representing Pennock-Meehan Co., Philadelphia, Pa.; Martin Reukauf, with Bayersdorfer & Co., Philadelphia, Pa.

Nassau County Horticultural Society.

The Nassau County Horticultural Society held its regular monthly meeting at Glen Cove, L. I., January 12. President Brown in the chair. The attendance was not as large as usual. C. A. Coffin, Locust Valley, was elected a life member. Fred Mambotan and L. Callahan, Glen Cove, were elected to active membership. The committee appointed to visit Valentine Cleres and pass on his seedling carnation, Red Spring, recommended that a certificate of merit be awarded. This is a good red carnation and sure to make a mark. It was decided to hold the annual euchre and dance of this society at Glen Cove April 3. Schedules for the Third International Flower Show of the S. A. F. were distributed to the members interested. Awards in the monthly competition were: V. Cleres, gardenias, first; J. MacDonald, sweet peas, first; J. Robinson, vase of fine freesias, honorable mention. Prizes are offered for three cauliflowers, one cineraria and one stock at the next meeting, March 12.

JAS. MACDONALD, Sec'y.

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February 19.

Zeeland, Red Star, 10 a. m., Pier 61, North River.

Patricia, Ham.-Amer., 9 a. m.

Argentina, Austro-American, 1 p. m.

February 20.

FROM PORTLAND, Ionian, Allan.

Caledonia, Anchor, 9 a. m., Pier 64, North River.

La Provence, French, 10 a. m., Pier 57, North River.

Baltic, White Star, 12 noon.

K. Auguste Victoria, Ham.-Amer., 9 a. m.

FROM ST. JOHN, Athena, Donaldson.

City of Colombo, Norton.

February 21.

FROM ST. JOHN, Empress of Britain, Can.-

Pacif., 12 noon.

Dunvegan Castle, Barber.

February 22.

FROM ST. JOHN, Grampian, Allan.

St. Paul, American, 9:30 a. m., Pier 62, North River.

Majestic, White Star, 12 noon.

Canada, White Star, Dom., 10 a. m.

Hamburg, Ham.-Amer., 10 a. m.

George Washington, North Ger. Lloyd, 10 a. m.

FROM BALTIMORE, Neckar, 2 p. m.

Canada, Fabre, 3 p. m.

Kursk, Russian-American, 2 p. m.

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City Index to Retail Florists' Filling Telegraph Orders.

Albany, N. Y.—Eyes, 11 N. Pearl St.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Birmingham, Ala.—John L. Parker.
Boston—Phillip L. Carbone.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn. The Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 400 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Memphis, Tenn.—Haisch's.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schilling, 22 W. 59th St.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburg—Mrs. E. A. Williams.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—Ostertag Bros.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Heini & Son.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Blackstone.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus
Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES
FLORIST,

Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.

Jefferson and Washington Ave.

Albany, N. Y.

EYES,

Flowers or Design Work.

Delivered in Albany and vicinity on telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Dunlop's
Only the Best
96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Michigan.

Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Schiller The Florist
222-2223 W. Madison St.
CHICAGO

All orders carefully filled under the supervision of
GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heini)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

312 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Milwaukee.

MARKET UNCHANGED.

The market remains practically unchanged with plenty of all kinds of bulb stock. Roses are still a scarcity, but are a little more plentiful than previously. Carnations are arriving in large quantities but seem to be moving fairly well. Carnations, sweet peas and violets were in demand for St. Valentine's day, but the sale was not especially noticeable on account of the large quantities of stock. Lilies of the valley are in quantities enough to supply the demand, but there still remains a scarcity in the Harrisii lilies. Enough green goods to fill all orders.

NOTES.

C. C. Pollworth reports business good with a heavy demand for red carnations, sweet peas and violets for St. Valentine's day. This firm is receiving some fine bulb stock, sweet peas and violets and a heavy cut of carnations from their carnation range.

R. Leitz has purchased another new delivery car to enable him to give his customers better service. He reports business fine and is adding another greenhouse to his range.

The Holton & Hunkel Co. reports business good. From the outlook at the Brown Deer plant this firm will have an exceptionally fine cut of Harrisii lilies for Easter.

Manke Bros. are making arrangements for their new greenhouse addition. The materials will be furnished by the J. C. Moninger Co., Chicago.

E. Praefke is adding a new greenhouse to his range. Mr. Praefke is bringing some exceptionally fine tulips to the market.

Announcement has been made of the marriage of Allister Currie, of the A. Currie Co., and Mrs. Clauson, of this city.

J. J. Karins, of the Henry Dreer Co., Philadelphia, Pa., called on the local trade the latter part of the week.

G. Baerman is sending in some exceptionally fine bulb stock to the local market from his new greenhouses.

It is rumored that a new retail store will be opened in the Plankinton block by Lubliner & Trinz, Chicago.

Gust. Rusch & Co. report business good with plenty of all kinds of stock, with the exception of roses.

BOWLING SCORES.

O. Eggebrecht	176	148	124
G. Pohl	155	134	160
N. Zweifel	159	112	127
W. Schmitz	136	160	160
A. Leidiger	129	145	...
W. Halliday	160	156	163
G. Kellner	176	180	141
H. Schimmels	153	142	164
A. Hare	130	153	155
G. R.			

OAKLAND, CALIF.—K. Nakashima will build a greenhouse on One Hundred and Fifth avenue, near Edes avenue; cost \$500.

Kansas City, Mo.

**Geo. M. Kellogg
Flower & Plant Co.**

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

Louisville, Ky.

**F. Walker & Co.,
FLORISTS**

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

Mention the American Florist when writing

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838—CANAL ST.

Mention the American Florist when writing

Washington, D. C.

Blackstone

14th and H. Street.

Mention the American Florist when writing

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.

Mention the American Florist when writing

Boston, Mass.

Philip L. Carbone

IMPORTER, FLORIST, AND DECORATOR

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

"Get them at Dreer's"

TUBEROUS-ROOTED BEGONIAS

GLOXINIAS

FANCY-LEAVED CALADIUMS

BEGONIAS

Single in Separate Colors. Scarlet, crimson, rose, white, yellow and orange. 40c. per doz., \$2.50 per 100, \$22.50 per 1000.

Single in Choicest Mixture. 35c per doz., \$2.25 per 100, \$20.00 per 1000.

Double in Separate Colors. Scarlet, rose, white and yellow. 60c. per doz., \$4.50 per 100, \$40.00 per 1000.

Double in Choicest Mixture. 50c per doz.; \$4.00 per 100, \$35.00 per 1000.

Frilled in Separate Colors. Scarlet, white, pink and yellow. These are with wavy and frilled petals like some of the newer Petunias. 85c per doz., \$6.00 per 100.

Dwarf Hybrid Lafayette. Brilliant crimson scarlet. \$1.50 per doz., \$10.00 per 100.

Dwarf Hybrid Duke Zeppelin. Pure rich scarlet. \$1.00 per doz., \$7.00 per 100.

CALADIUMS, Fancy-Leaved

The finest collection ever offered, and the most extensive stock in America.

Choice Standard Varieties. \$1.75 per doz., \$12.00 per 100, \$100.00 per 1000.

Choice Rare and New Varieties. \$2.25 per doz., \$15.00 per 100, \$140.00 per 1000.

Recent Introductions. \$3.50 per doz., \$25.00 per 100.

Choicest Mixture. \$1.50 per doz., \$10.00 per 100, \$95.00 per 1000.

GLOXINIAS

Dreer's Superb in Choicest Mixture or in Separate Colors. As blue, red, white, red with white edge and blue with white edge. 60c per doz., \$3.50 per 100, \$30.00 per 1000.

New Emperor. (Hybrida Imperialis) in choicest mixed varieties. 85c. per doz., \$6.00 per 100.

OUR USUAL SUPERIOR STRAIN. YOU CAN BUY CHEAPER, BUT NOT BETTER STOCK.



HENRY A. DREER, Inc., 714 Chestnut Street, PHILADELPHIA, PA.

THE ABOVE PRICES ARE INTENDED FOR THE TRADE ONLY.

KENTIAS.

Joseph Heacock Co.,

Wyncote, Pa.

See Price List of Last Week

Mention the American Florist when writing

J. E. MEREDITH, Pres. C. W. STOUT, Sec'y

The Meredith Flower and Vegetable Co.

LIBERTYVILLE :: ILLINOIS

Mention the American Florist when writing

PALMS.

Each.
Kentia Forsteriana, 4-in. pots, 12 to 15 in. 18c
Kentia Belmoreana, 4-in. pots, 12 to 15 in. 18c
Areca Lutescens, 3-in. pots, 8 to 12 in. 10c
Latania Borbonica, 4-in. pots, 12 to 15 in. 15c

ROSES OUR SPECIALTY.

Write for 1913 Catalogue.

THE DINGEE & CONARD CO.,
WEST GROVE, PA.

Mention the American Florist when writing

TRUE IRISH SHAMROCK



WE have an immense stock of this pretty novelty in 2x2½ inch pots, full and bushy, \$5.00 per 100, \$30.00 per 1000. Try them, they sell on sight. One house we know sold 70,000 of them last year. Orders placed with the Pittsburgh Cut Flower Co., will receive the same careful attention as if placed direct.

John Bader Company

1826 RIALTO STREET, N. S. PITTSBURGH, PA.

Bell Phone, 872 Cedar

P. & A. Phone, 1942-B North

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President; Harry L. Holmes, Harrisburg, Pa., First Vice-President; Arthur B. Clark, Milford, Conn., Second Vice-President; C.E. Kendel, Cleveland, O., Secretary and Treasurer; J. M. Ford, Ravenna, O., Assistant Secretary. Next annual convention, at Cleveland, O., June 24-26, 1913.

J. C. VAUGHAN and wife, of Chicago, are at Miami, Fla.

ARTICHOKES in carloads are arriving in New York from California.

MANY beans were frozen in the vicinity of Miami, Fla., February 16.

WE are advised that the proposed Kansas seed law was killed in committee.

W. ATLEE BURPEE of Philadelphia, Pa., was in Havana, Cuba, early in the month.

MIAMI, FLA.—J. E. Northrup and daughters, of Minneapolis, Minn., have spent a month here.

FARGO, N. D.—Prof. G. W. Randlett has been elected president of the North Dakota Improved Seed Association.

CHICAGO.—Prices on the Board of Trade February 19 for grass seed were noted as follows: Timothy, \$3 to \$4 per 100 pounds.

THE Florida Seed & Floral Co. is a new establishment at Jacksonville, Fla., located on Bay street. G. H. Evans is manager.

PALO ALTO, CALIF.—F. C. Sloan, writing February 3, says that it looks as if seed growers of that section were to have another dry season.

IT is said to be between Chicago, Buffalo and Rochester for the Canners' convention next year, with San Francisco talked of for 1915.

CORVALLIS, ORE.—Plans are under way for the establishment of a seed house by the agronomy department of the Oregon Agricultural College. Threshing, cleaning and weighing rooms are to be included in the new building.

SAN JOSE, CALIF.—J. W. Edmundson, of the California Seed Growers' Association, has returned from a prosperous eastern trip and, while realizing the necessity of more rains, says the seed crops are generally in good condition.

MUSCATINE, IA.—J. E. Hoopes & Co. report that orders are coming in freely for seed sweet potatoes, asparagus and rhubarb roots and horse radish sets for spring establishment. Contract seed orders for 1913 crop are starting off good.

HOLLAND BULBS.—The mild weather has encouraged the growth of hyacinths, which are now uncovered and subject to damage by cold winds in March. Tulips in the poorly drained sections have suffered severely through the continuous rains.

NEW ORLEANS, LA.—Chris. Reuter reports that notwithstanding poor crops and low prices last season the market gardeners in his territory are planting their usual acreage of beans, corn, cucumbers, tomatoes and potatoes and that the outlook is for good returns.

Kansas Hits at Free Seeds.

The Kansas state senate has passed a resolution to request Kansas congressmen and United States senators to quit sending free seeds to their constituents. The resolution sets forth the fact that the growth of the agricultural colleges and the general knowledge of the people regarding the advantages of using good seeds has put an end to the need of the old, time-worn congressional practice. In addition, the resolution stated that this practice loaded up the mails and constituted a heavy and needless expense to the federal government and the mail service. The resolution also requested the Kansas congressmen to use their influence towards securing a bill putting an end to the distribution of free seeds by members of congress. The senate passed the resolution without a dissenting vote.

Catalogues Received.

M. Rice Co., Philadelphia, Pa., florists' supplies; Henry A. Dreer, Inc., Philadelphia, Pa., diamond anniversary edition of the garden book; J. M. Thorburn & Co., New York, general and trade lists of seeds; W. Atlee Burpee & Co., Philadelphia, Pa., wholesale list of seeds for seedsmen and dealers who buy to sell again, wholesale list of seeds for market gardeners, florists' and farmers' clubs, and advance trade list of wholesale seed prices for 1913; Vaughan's Seed Store, Chicago and New York, spring book for florists; Elmer D. Smith & Co., Adrian, Mich., chrysanthemums; Storrs & Harrison Co., Painesville, O., seeds, plants and nursery stock; E. G. Hill Co., Richmond, Ind., roses and chrysanthemums; Fottler, Fiske, Rawson Co., Boston, Mass., special list of seeds, plants, bulbs, etc., for market gardeners and florists; Chas. H. Totty, Madison N. J., chrysanthemums, carnations and roses; Texas Seed & Floral Co., Dallas, Texas, seeds, plants, bulbs, etc., for the south; Waban Rose Conservatories, Natick, Mass., new giant forcing rose Mrs. Chas. Russell; Smith & Hemenway Co., New York, glaziers' tools; Dennison Mfg. Co., Boston, Mass., crepe paper calendar for 1913; Good & Reese Co., Springfield, O., special list of peonies for the trade; Scranton Florist Supply Co., Scranton, Pa., florists' supplies, and wholesale list of flower seeds; Wm. Elliott & Sons, New York, seeds; Barteldes Seed Co., Denver, Colo., western seeds; Wm. Henry Maule, Philadelphia, Pa., seeds; Henry

F. Michell Co., Philadelphia, Pa., seeds and wholesale list of seeds etc., for florists and market gardeners; Northrup, King & Co., Minneapolis, Minn., seeds; Peter Henderson & Co., New York, everything for the garden; Ellwanger & Barry, Rochester, N. Y., nursery stock; Holmes Seed Co., Harrisburg, Pa., seeds; Weeber & Don, New York, seeds; Diggs & Beades, Richmond, Va., seeds; Farmer Seed & Nursery Co., Faribault, Minn., seeds and nursery stock; Colorado Seed & Nursery Co., Denver, Colo., seeds, plants and supplies; Geo. H. Mellen Co., Springfield, O., plants and seeds; Schultz's Seed Store, Washington, D. C., seeds; Western Seed Co., Denver, Colo., seeds and supplies; H. J. Weber & Sons Nursery Co., Nursery, Mo., nursery stock and greenhouse plants; Morris & Snow Seed Co., Los Angeles, Calif., hints on gardening; W. E. Marshall & Co., New York, seeds; James Smalley & Co., McPherson, Kans., garden and field seeds; W. W. Wilmore, Denver, Colo., general and trade lists of dahlias; G. H. Hunkel Co., Milwaukee, Wis., spring lists of seeds; Cole's Seed Store, Pella, Ia., garden annual; Oscar H. Will & Co., Bismarck, N. D., seeds and nursery stock; L. L. Olds Seed Co., Madison, Wis., seeds and supplies; Deposit Seed Co., Deposit, N. Y., seeds and plants; Richard Diener & Co., Mountain View, Calif., seeds, plants and bulbs; Arthur Cowee, Berlin, N. Y., gladioli; Oriental Seed Co., San Francisco, Calif., Japanese seeds, plants and lily bulbs; T. R. Watson, Plymouth, Mass., trade list of nursery stock; J. K. Alexander, East Bridgewater, Mass., wholesale trade list of dahlias; Woodlawn Nurseries, Rochester, N. Y., nursery stock; Geo. L. Stillman, Westerly, R. I., dahlias; Richland Nurseries, Rochester, N. Y., nursery stock; Burdell Floral Co., Bowling Green, Ky., wholesale list of plants; L. E. Williams, Exeter, N. H., native trees, shrubs and plants; B. G.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Peas and Beans GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONIONS, LETTUCE, CARROT and RADISH

San Jose, California

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers

SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS



Improved White Spine Cucumber.

Grown under irrigation by

Western Seed & Irrigation Co.Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.**Fremont, - Nebraska****S. D. WOODRUFF & SONS****SEED GROWERS**Dealers in Garden, Field and Flower Seeds
Specialties, Potatoes, Onion Sets, Garden and
Flower Seeds. Contract Taken
Catalogue Free. **ORANGE, CONN.****82 & 84 Dey St. NEW YORK****SEEDS**

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited
Boston, England**Franzen's Seeds Sure to Grow.**

Asters, Queen of the Market	oz. \$0.50
Ageratum, Blue, oz. \$0.60. Snapdragon ..	.75
Alyssum, Little Gem	.30
Lobelia, Emperor William, Blue	.75
Pansy, Giant Strain	1.25
Petunia, Superfine Mixed	.75
Phlox, Drumundii Mixed	.55
Stock, Ten Week Double	1.00
Verbena Hybrida, Mixed	.35

F. O. FRANZEN, 1476 Summerdale Av., Chicago
Send for trade list.**Henry Fish Seed Co.**
Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

BEANS, PEAS, RADISH
and all Garden Seeds**LEONARD SEED CO.**

226-230 W. KINZIE STREET, CHICAGO

ONION SETS**GROWERS FOR THE TRADE**
Write for Prices.

Mention the American Florist when writing

RATEKIN'S SEED CORN**OLDEST ESTABLISHED AND LARGEST WHOLESALE AND CONTRACT SEED CORN GROWERS IN THE UNITED STATES:** Have made this our specialty for over thirty years. We grow all the leading standard, best varieties of field Dent, Flint, and Sweet sugar corn, for the Wholesale Trade. Write or wire us for prices and quotations for immediate or future shipments, also for contract growing prices for 1914 delivery; stating probable quantities of different varieties, etc., etc.**RATEKIN'S SEED HOUSE, Shenandoah, Iowa****LAWN GRASS SEED**

WHOLESALE ONLY

J. OLIVER JOHNSON

1874-76 Milwaukee Avenue

CHICAGO, ILL.

PERENNIAL RYE GRASS SEED

Fall Importation. \$3.75 per 100 lb. bag, f. o. b.

AVENUE FLORAL CO.,

3442 St. Charles Ave.

NEW ORLEANS, LA.**Onion Seeds--Onion Sets**We are also submitting contract figures
for the 1913 crop of Onion Seed.We are Extensive Growers and Dealers
Write for prices on the 1912 crop.**SCHILDER BROS., Chillicothe, O.****JAPAN CLOVER SEED**Booking orders for January shipment.
Prices on application.Contract with us for **Genuine Bermuda Onion Seed**, delivery next fall, grown by T. M. Reid, Port Orotova, Tenerife.**CHRIS. REUTER, New Orleans, La.**

Mention the American Florist when writing

CONTRACT SEED GROWERSPepper, Asparagus, Tomato, Musk and
Water Melon. For sale: Asparagus,
Horse Radish and Rhubarb Roots.
Correspondence Solicited.**J. E. Hoopes & Co.**

P. O. Box 38

MUSCATINE, IA.**Contract Seed Grower****SPECIALTIES: Pepper, Egg Plant,
Tomato. Vine Seed and Field Corn.****EDGAR F. HURFF, Mullica Hill, New Jersey.**

Correspondence Solicited.

Mention the American Florist when writing

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

ASK FOR THE

Certificated Gladioli
Trade List

FROM

G. Zeestraten & Sons

Oegstgeest, Holland

BURPEE'S SEEDS**PHILADELPHIA**Wholesale Price List for Florists
and Market Gardeners.**H. WREDE**
LUNEBURG, GERMANY**PANSY SEED**180 First Prizes, the highest
awards Chicago, Paris, London,
Bruxelles.1000 seeds, finest mixed...25c
1 oz. \$2.25

Price list on application.

Cash with order

TO THE TRADE.

WARNAAR & CO., - - SASSENHEIM, HOLLAND

Growers and Exporters of Hyacinths, Narcissi, Tulips, Gladioli, Spireas, Dahlias, Etc.

NOVELTIES FOR 1913.

NEW SPIREAS.

America. Fine foliage and elegant lilac rose flowers, a perfect new color.
Avalanche. A pure white one, of great merit.
Queen Alexandra Improved. A deeper and better pink than the common variety. Extra for cold storage.
Philadelphia. Lavender pink. Unique color.

NEW DAHLIAS.

Our Mr. Hornsveld is the originator of the Paeonia Dahlia. Our varieties **Geisha**, **Bertha von Suttner**, **Germania**, **Lovink**, **Duke Henry**, **Dr. Peary**, etc., have already a world-wide reputation and are money makers for every buyer.

MRS. VAUGHAN, a new yellow decorative dahlia of rare beauty, will be distributed in 1914. We received twenty first-class certificates and awards for new dahlias in 1912. Descriptive catalogue and prices on application. Early ordering will avoid disappointment to buyer and seller.

SPRING DELIVERY. On hand—Glad. **America**, **Bar. Hulot**, **Principes**, **Halley** and all the newer varieties. Bulbs in all sizes and bulblets.

Please address letters until May 1st, 1913, to **WARNAAR & CO.**, care of **MESSRS. J. W. HAMPTON, JR. & CO.**, 17 Battery Place, New York City.



Once Grown Always Grown

Maule's Seeds

Endorsed by more than 450,000 progressive gardeners as the best ever

My new Seed Catalogue is a wonder. Contains everything in seeds, bulbs, small fruits and plants worth growing. 600 illustrations; 176 pages. Any gardener sending his name on a postal card can have it for the asking. Send for it today. Address

WM. HENRY MAULE

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Send 5 cents (stamps) mention this paper, I will enclose in the catalogue a packet of the above GIANT pansy.

SEEDS

Best that grow. We sell direct to gardeners and florists at wholesale. Big, beautiful catalogue free. Write today.

ARCHIAS SEED STORE, Box 98, Sedalia, Mo.

Pratt Co., New York, hand book for fruit growers; Bergenfield Nurseries, Bergenfield, N. J., preliminary list of dahlias, chrysanthemums, carnations, etc.

Henry Mette, Quedlinburg, Germany, trade list of seeds; W. W. Johnson & Son, Boston, England, wholesale trade list of seeds; Dammann & Co., San Giovanni a Teduccio, Italy, seeds, plants and nursery stock; L. Daehnfeldt, Odense, Denmark, wholesale trade list of vegetable and flower seeds; Watkins & Simpson, London, England, vegetable and flower seed novelties; Vilmorin-Andrieux & Co., Paris, France, wholesale and general lists of seed; Haage & Schmidt, Erfurt, Germany, seeds and plants; Sluis & Groot, Enkhuizen, Holland, general and advance lists of seeds; DeGraaff Bros., Ltd., Leiden, Holland, wholesale list of bulbs and plants; Wilhelm Pfitzer, Stuttgart, Germany, seed, plant and bulb novelties; E. Neubert, Wandsbek, Germany, plant novelties; Nonne & Hoepker, Ahrensburg, Germany, seeds; Max Kornacker, Wehrden, Germany, seeds, bulbs, etc.

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	1½ up	1½-1½	1-1½	¾-1	½-¾	under ½
America. Light Pink.....	25 00	20 00	15 00	14 00	12 00	10 00
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Augusta. White; Lavender anthers.....	Sold	13 00	10 00	9 00	7 00	6 00
Beauty. "Beauty" rose color.....	60 00	50 00	40 00	35 00	30 00	25 00
New America. White, striped pink.....	50 00	40 00	35 00	30 00	25 00	20 00
Cardinal. Cardinal color.....	20 00	14 00	12 00	10 00	9 00	8 00
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VALLEY PIPS

From Cold Storage
For Easter Forcing

Per Case of 500 - - - \$ 9.00

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NEW YORK

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Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

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ROSES, CARNATIONS,

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Pansy Plants.

	Per 100
Giant Flowering, small plants..	\$2.50 per 1000 .50
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Geranium S. A. Nutt and four other varieties, \$25.00 per 1000.....	3.00
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CASH OR C. O. D.	

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BEGONIAS, single, separate colors, 4C per doz., \$2.50 per 100; double, separate colors, 60c per doz., \$4.00 per 100.	
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TUBEROSES, Dwarf Pearl, 1st size, \$1.00 per 100, \$9.00 per 1000.	
CALADIUMS, with live centre shoot.	
Per Doz. Per 100	
5- 7 inch.....	\$0.80 \$1.80
7- 9 inch.....	.50 3.50
9-11 inch.....	.85 6.00

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Seed Merchants to His Majesty the King of Italy
SAN GIOVANNI A TEDESCO, near Naples
Established 1877.

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TRIPOLI ONION SEED, (Crystal Wax) and
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THE LARGEST GROWERS IN ITALY.

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"Superb Quality" FLOWER "Seeds for Florists"

"SUPERB QUALITY."

The "Very Best" in everything that we offer. Write for our "trade list" No. 5.
We have reserved one for you. Do not fail to get it. It
describes everything for the Florist.

Ageratum—Dwarf Blue, ¼ oz. 15c. Mexican
Blue, White, each, ¼ oz. 10c.
Alyssum—Little Gem, Dwarf white, ½ oz. 20c.
oz. 3c. Sweet, White, oz. 15c, ¼ lb. 40c.
Antirrhinum (Snap Dragon), Giant—
Pink, Scarlet, each..... ¼ oz. .15
White, Yellow, each..... ¼ oz. .15
Mixed..... ¼ oz. 15c, 1 oz. .40
Asparagus Sprengeri—100 seeds for 20c; 1000
for 90c.
Asparagus Plumosus Nanus—100 seeds for
55c; 1000 for \$4.00.

ASTERS.

We assert that no one can have a superior
stock of the various asters. See catalog No.
2 for description of novelties.

Aster, Lady Roosevelt—A splendid new vari-
ety. Trade pkt. 25c. ½ oz. 60c.

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ters, Rose, Lavender and White. Trade
pkt. 30c. ½ oz. 40c.

Rose King—Enormous quilled flowers fine for
cutting. Trade pkt. 35c. ½ oz. 40c.

Violet King—Identical with the above, except
in color, which is a pure violet. Trade pkt.
25c. ½ oz. 40c.

Royal Stripe—Large double flowers, striped
blue and white, with long stems, fine for cut-
ting. Trade pkt. 25c. ½ oz. 75c.

Vick's Mikado—A large graceful flower for
cutting. Pink, White and Rose. Trade pkt.
35c. ½ oz. 45c.

Lavender Gem—A splendid early pure laven-
der, no yellow centers, very popular with
florists. Trade pkt. 35c. ½ oz. 50c.

Snowdrift—A fine early long stemmed, pure
white. Trade pkt. 35c. ½ oz. 50c.

Giant Comet—Mixed. ¼ oz. 35c, oz. 1.25

Daybreak—A fine pink flower for
cutting..... ½ oz. .30

Purity—White flowers similar to
above..... ½ oz. .30

Queen of the Market—Dark Blue.
Crimson..... each ½ oz. 15c. ½ oz. .40

Light Blue, Pink..... ½ oz. 15c. ½ oz. .40

Snowdrift pure white..... ½ oz. 15c. ½ oz. .40

Mixed..... ½ oz. 10c. ½ oz. .30

Branching—Late—Flowers large
double on long stiff stems, ex-
cellent for cutting. White,
Flesh, Pink..... each ½ oz. 15c. ½ oz. .50

Lavender..... ½ oz. 15c. ½ oz. .50

Pink, Purple..... each ½ oz. 15c. ½ oz. .50

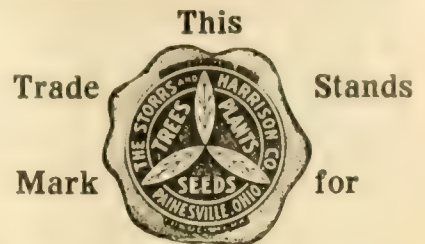
Dark Red..... ½ oz. 15c. ½ oz. .50

Mixed..... ½ oz. 20c, 1 oz. .75

Balsam—Camellia flowered, dou-
ble mixed..... oz. .40

BEGONIA SEED [all varieties.]

Gracilis Luminosa, Ruby, Prima Dona,
na, Triumph, Erfordia, Erfordia
Superba. All uniform. Trade pkt. .25



59 Years of Satisfactory
Service and a mark of true

"SUPERB QUALITY."

Candytuft —Empress, very large, pure white..... oz. .20	
White Rocket..... oz. .15	
Little Prince, dwarf, large flower- ed white..... oz. .25	
Celosia —Glasgow Prize, Dwarf, Crim- son..... ½ oz. \$0.20	
All-a-Glow, Dwarf, Scarlet..... ½ oz. .20	
Empress, Semi-Dwarf..... ½ oz. .20	
Ostrich Feather, Mixed, Tall..... ½ oz. .10	
Ostrich Feather, Mixed, Dwarf..... ½ oz. .20	
Centaurea —Gymnocarpa..... ½ oz. .20	
Imperialis, Mixed, fine for cut- ting..... ½ oz. .10	
Margaret White, fine for cutting..... ½ oz. .15	
Cineraria Maritima , trade pkt. 10c. oz. .25	
Colea Scandens , Purple..... oz. .30	
Coleus Finest Hybrids — Mixed trade pkt..... .50	
Dracaena Indivisa , trade pkt. 10c. oz. .45	
Grevillea Robusta oz. .50	
Ipomea Grandiflora (Moonflow- er)..... oz. .40	
Ipomea Heavenly Blue oz. .50	
Ipomea Setosa oz. .20	
Lobelia , Erinus Speciosa, deep blue, trailing variety..... ¼ oz. .20	
Crystal Palace Compacta, best for bedding..... ½ oz. .20	
Mignonette , Machet..... oz. .25	
Grandiflora, large flowering..... oz. .15	
Allen's Defiance..... oz. 10c. ¼ lb. .40	
Petunia , Double Giant Flowered Grandiflora and Fringed Mixed ed..... 1000 seeds 1.25	
Giant Ruffled, trade pkt..... 1.00	
Single large flowered, Fringed, trade pkt..... .50	
Giants of California..... trade pkt. 1.00	
Rosy Morn, Rosy pink, white throat..... ½ oz. .40	
Single Striped and Bloched..... ¼ oz. .25	
Single Mixed..... ¼ oz. .15	
Howard's Star..... ¼ oz. .40	
Salvia , Splendens, trade pkt. 25c. oz. 1.00	
Clara Bedman..... trade pkt. 40c. ¼ oz. .60	
Zurich..... trade pkt. \$1.00. ¼ oz. 2.00	
Smilax oz. 30c. ¼ lb. 1.00	
Stocks , Dwarf Large Flowering Double Ten Weeks, Mixed..... ¼ oz. .25	
Brompton..... ½ oz. .35	
Giant Perfection Ten Weeks, Mixed..... ½ oz. .30	
Princess Alice, White..... ½ oz. .35	
Snowflake, for forcing..... 1-16 oz. .75	
Ten Weeks (separate colors)..... ½ oz. .35	
Thunbergia oz. .40	
Torenia Fournieri , trade pkt. 15c. ¼ oz. .50	
Torenia Baillonii , trade pkt. 25c. ½ oz. .50	
Verbena , (Mammoth Flowered) Blue and Purple Shades..... ¼ oz. 35c. oz. 1.00	
Pink..... ¼ oz. 35c. oz. 1.00	
Scarlet..... ¼ oz. 40c. oz. 1.00	
White..... ¼ oz. 35c. oz. 1.00	
Striped..... ¼ oz. 35c. oz. 1.00	
Mixed..... ¼ oz. 30c. oz. .75	

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VALLEY, Douglas County, Neb.

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Cucumber, Muskmelon, Squash and Pumpkin.
Sweet, Flint and Dent Seed Corn

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
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Correspondence Solicited.

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Best Grafted Rose Stock

Pink Killarney, White Killarney, Double White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000, \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill. Killarney Queen, \$15.00 per 100; \$120.00 per 1,000.

OWN ROOT STOCK

Killarney, White Killarney, Prince de Bulgarie, Mrs. Aaron Ward, Melody, Lady Hillingdon and My Maryland, \$6.00 per 100; \$55.00 per 1,000. Richmond, 2½-inch, \$5.00 per 100; \$45.00 per 1,000. American Beauty, 2-inch, \$65.00 per 1,000 in 1,000 lots and \$60.00 per 1,000 in lots of 2,000 or over.

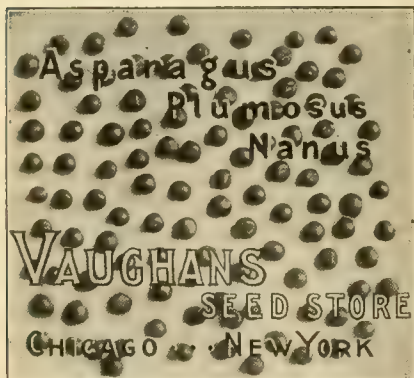
ROOTED CARNATION CUTTINGS

Enchantress, Lawson, Winsor, White Enchantress, White Perfection, and Beacon, \$2.20 per 100; \$20.00 per 1,000. May Day and Scarlet Glow, \$3.00 per 100; \$25.00 per 1,000. Gloriosa and Mrs. Ward, \$3.00 per 100; \$27.50 per 1,000.

The Above is All Select Stock and a Big Bargain at the Prices Quoted.

Poehlmann Bros. Co., Morton Grove, Ill.

New Crop
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Greenhouse Grown (ready)
It has Vitality. Not Frost-bitten.



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Finest in the land, best mammoth varieties, true to name. Seedlings are disappointing, get the true stock, at 70c per 100, \$6.00 per 1000; Mrs. F. Sander, \$1.25 per 100, \$10.00 per 1000. **Coleus**, finest named varieties, a grand collection, at 70c per 100, \$6.00 per 1000. **Pansies**, Roemer's Prize Winners (Germany), large, fine plants, 50c per 100, \$4.00 per 1000. **Daisies**, California and Queen Alexandra, \$1.00 per 100, \$8.00 per 1000. **Ageratum**, 60c per 100, \$5.00 per 1000. **Alternantheras**, three varieties, very strong, 60c per 100, \$5.00 per 1000. **Feverfew**, "Little Gem" (True), \$1.25 per 100, \$10.00 per 1000. **Salvias**, Bonfire and St. Louis, \$1.00 per 100, \$8.00 per 1000. We prepay express.

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The Rooted Cutting Specialist, Clay Center, Kan.

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Primula Obconica, strong plants, in bud and bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000. **Malacoides**, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, 300 for \$5.00. **Asparagus Plumosus** and **Sprengeri**, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000. 3-inch, \$3.00 per 100, \$25.00 per 1000.

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Forcing Spiraea Clumps, Gladiolus, Etc.

Spiraea Gladstone.....	Per 100 \$5.50	Spiraea Superba.....	Per 100 \$4.00
Spiraea Florabunda.....	4.00	Spiraea Queen Alexandra....	7.00

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America. First Size.....	3.00 per 100, 25.00 per 1000
Medium Size.....	2.50 per 100, 20.00 per 1000
Mrs. Francis King.....	2.00 per 100, 18.00 per 1000

The Storrs & Harrison Co., Painesville, Ohio.

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Carnation Rooted Cuttings.

Now Ready

Enchantress, Rose Pink Enchantress, May Day, Mrs. C. W. Ward, Western White Enchantress, White Enchantress, White Wonder, Lady Bountiful, Queen Louise, White Perfection, O. P. Bassett, Beacon.

Prices \$3.00 per 100; \$5 per 1000

Place your order for

OWN-ROOT and GRAFTED ROSES, NOW.

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Verbenas

OUR SELECTION.

Cuttings, 75c per 100; \$6.25 per 1000. Plants, 2¼-in., \$2.75 per 100; \$22.00 per 1000.

PURCHASER'S SELECTION.

Cuttings, 90c per 100; \$8.25 per 1000. Plants, 2¼-in., \$3.25 per 100; \$28.00 per 1000.

Enchantress Supreme

THE Best Sport from Enchantress up-to-date, possessing all the vigor and freedom that distinguishes its parent.

Color a light salmon pink — a color that is not only very attractive, but also one that endures full exposure to the sun without bleaching.

A good all around Carnation that retains its color at all seasons.

Calyx is longer and narrower than that of the parent variety, and distinct from the latter. Has shown no inclination to be a burster.

The weak points of Enchantress seem to have been lost in this Sport, and a trial of four years duration convinces us of its great value.

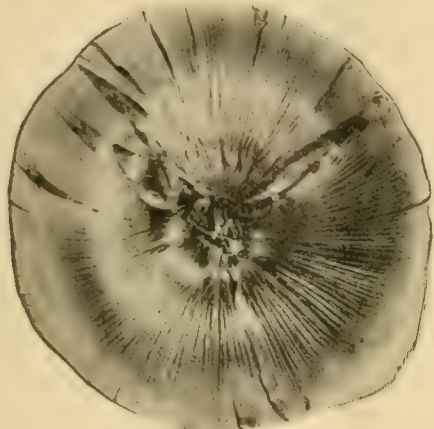
PRICES: Twelve Rooted Cuttings.... \$3.00 One Hundred rooted cuttings... \$ 12.00
Twenty-five rooted cuttings, 5.00 One Thousand rooted cuttings... 100.00
Fifty rooted cuttings..... 7.00 Order quick for February deliveries.

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MRS. FRANCIS KING.

Florists, Seedsmen and amateurs who are interested in **Gladiolus**, either for counter trade, for outdoor planting, or for the home garden, should correspond with us and secure our lists and prices **before placing orders** for this stock.

Of several leading kinds we can supply planting stock, white bulbs under one inch and small black bulblets by the bushel.

1913 Prices on All Leading Kinds Are Ready.

Special Lists of Novelties can be made up on request.

VAUGHAN'S SEED STORE

CHICAGO
NEW YORK

CARNATIONS

Rooted Cuttings, Season 1913.

Ready Now.

	Per 100	Per 1000
Rosette.....	\$6 00	\$50 00
St. Nicholas	6 00	50 00
Benora	6 00	50 00
Gloriosa	4 00	30 00
White Wonder	3 00	25 00
White Perfection	3 00	25 00
White Enchantress	3 00	25 00
Enchantress	3 00	25 00
Rose Pink Enchantress	3 00	25 00
Scarlet Glow	3 00	25 00
Mrs. C. W. Ward	3 00	25 00
Bonfire	3 00	25 00

Rooted Cuttings Our Specialty. Fine stock: even size; well rooted cuttings.

F. DORNER & SONS CO.
LA FAYETTE, IND.

Lady Hillingdon. Roses

Fine 2 1/4-inch plants, \$11.50 per 100.
F. O. B. West Grove.

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PALMS, FERNS

AND

Decorative Plants

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SEASONABLE STOCK

Pandanus Utilus, 4-in. pots, \$20.00 per 100.

Cibotium Schiedel 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.

Fern Dish Ferns, all the best sorts including **Cyrtomium Falcatum**, and

Aspidium Tsussimense, \$3.00 per 100; \$25.00 per 1000.

Bargain! Kentia Forsteriana, a special bargain in single specimen plants, perfect condition, 66 in. high, 6 to 7 leaves, in 10 in. green tubs, \$7.50.

Made up Kentia Forsteriana, 8 in. tubs, 4 plants in a tub, 48 to 52 in. high, \$6.50 each.

Calla Ethiopica, 3-in. strong, need shift, \$7.00 per 100.

New Baby Rambler Rose, Erna Teschendorf, strong 2-yr. field grown plants, \$4.00 per dozen, \$30.00 per 100. This is the best Red Baby Rambler of all.

English Ivy, strong 4-in., two or more shoots, \$12.00 per 100.

Dracaena Indivisa, strong 6-in. pot plants, \$35.00 per 100, 5-in. \$20.00 per 100 (Pot grown stock).

Anthericum Variegatum, 3-in. pot plants, \$5.00 per 100.

Ficus Elastica, good young stock, 4-in., \$25.00 per 100.

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GET THE BEST IN ALL CREATION

THIS IS WHAT YOU GET WHEN BUYING

GERANIUM SCARLET BEDDER

Buy early and increase your stock for Decoration Day, as well as for your summer bedding trade. We feel confident that there is not another **Scarlet GERANIUM** that can surpass this in freedom of bloom, healthy and strong compact growth. This is not only our verdict, but from many who have grown this, as you will see by a few of the testimonials in our 1913 catalogue, which is yours for the asking.

Price: \$1.50 per 10; \$12.50 per 100; \$100.00 per 1000.

Sold only by the originator and disseminator.

ELMER D. SMITH & CO., Adrian, Mich.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

Prices of Indoor Fruits and Vegetables.

Chicago, February 11.—Mushrooms, 25 cents to 60 cents per pound; lettuce 18 cents to 22 cents, small cases; radishes, 10 cents to 35 cents per dozen bunches; pieplant, 25 cents to 45 cents per bunch; tomatoes, 18 cents to 20 cents per pound; cucumbers, \$2.25 to \$2.50 per box of two dozen.

New York, February 15.—Cucumbers, \$1.25 to \$2 per doz., and \$4 to \$6 per box; mushrooms, \$1 to \$2.25 per 4-pound basket; tomatoes, 25 cents to 35 cents per pound; radishes, \$2.50 to \$3 per 100 bunches; mint, \$1 per dozen bunches; rhubarb, 25 cents to 60 cents per dozen bunches; lettuce, 10 cents to 30 cents per dozen.

Celery Plants.

Since the introduction of mechanical watering celery culture has taken a renewed hold, as by proper irrigation excellent celery can be produced almost anywhere; and by adding the mulch system there is hardly a soil so dry and sandy that celery can not be grown. With added interest and increased output there is a widespread demand for plants, especially for early plants. While the main crop of plants is probably grown by putting in the open ground, these plants come too late for many purposes, as they scarcely are fit for transplanting before July.

When starting celery seed early in greenhouses or hot beds one must bear in mind the great danger of one entire output going to seed the first season, which would mean a total loss. There is no question whatever that a few weeks earlier or later controls this tendency. We therefore do not feel safe in sowing celery seed before March 1. It is much better to start a little later and then keep the plants growing all the time, permitting no stop. Rich earth should be used from the start and water supplied freely. The seed being fine and slow to germinate, is in constant danger of drying out. We do not cover it at all, but firm it well with a brick or plank and then spread a piece of cheesecloth over the ground, laying the cloth directly on the ground. Thus one can water right on the cloth, which prevents washing out and drying out at the same time. This cloth may remain until the plants lift it. Thus it is fairly easy to get a stand under trying conditions.

We avoid thick seeding and prefer rows 2½ inches apart to the broadcast method. When several inches high the seedlings are transplanted closely in rows four inches apart by the "heeling in" method, which is faster and better than dibbling. The foregoing remarks are especially applicable to Golden Self Blanching, which is the most popular early kind and at the same time the seed of this kind is scarce, expensive, weak in constitution, and the plants slow to develop. On the other hand, we can produce an immense quantity of plants from one ounce of seed. We believe we handled almost 50,000 plants last year from a single ounce.

To produce late plants out of doors we need a fine firm seed bed and an early start. Just as soon as the ground can be fitted, sow the seed. We prefer not to plow or dig up deeply—

merely rake the land fine and even and drill the seed ¼-inch deep and 12 inches apart for weed hoeing. By mixing some easy-growing seed like lettuce with the celery, the rows can be seen earlier and worked sooner. It is also an advantage to prepare the celery seed a week or ten days in advance of planting by spreading in a box or pan in a warm room, cellar, greenhouse or hot bed and keeping it damp. Planted first before the sprout, the seeds will come up more quickly, and often this is the only way to get a stand.

MARKETMAN.

Westchester and Fairfield Hort. Society.

The regular monthly meeting of the Westchester and Fairfield Horticultural Society was held February 14. After a lengthy discussion it was decided to hold the fall show in Stamford, Conn., date to be announced later. Quite a number of splendid exhibits were staged, the culture being of the highest. The judges reported as follows:

Robt. Williamson—Cultural certificate for well flowered specimen *Coe-logne cristata*.

James Stuart—Cultural certificate for splendidly grown collection of amaryllis.

P. W. Popp—Honorable mention for vase of the new carnation California Giant, an immense flower measuring 6 inches across; color white, tinted with pink, showing Prosperity blood; stems 2½-3 feet long and free flowering.

A. L. Marshall—Highly commended for *Byrophyllum calycinum*.

Louis Whitman—Highly commended for vase of finely grown Richmond roses and lily of the valley.

W. J. Seeley—Highly commended for *Primula obconica*.

Anton Peterson—Very highly commended for *Nephrolepis elegantissima*.

C. A. Hakamon—Vote of thanks for vase of Christmas flowering sweet peas.

Edward Frenzell—Vote of thanks for sweet peas and narcissus.

A. L. Marshall—Vote of thanks for narcissus Golden Spur and amaryllis vittata hybrid.

The feature of the evening was the illustrated lecture on the International Horticultural Exhibition held in London, May, 1912, delivered by H. A. Bunyard, of New York. Mr. Bunyard spoke in glowing terms of the splendid exhibits staged at the meeting, and also the large number of members present, also requesting their support toward the success of the International Flower Show to be held in New York in April. The speaker dwelt at length on the wonderful exhibits, the high excellence of culture attained, and the splendid interest shown by the public. While perhaps the pictures failed to do justice to the exhibition, the able manner in which the lecture was given by Mr. Bunyard

more than made up for their defects. At the conclusion of the lecture a very hearty vote of thanks was accorded Mr. Bunyard by the members. Wm. Scott, of Scott Bros., Elmsford, N. Y., has promised to speak at our next meeting.

OWEN A. HUNWICK, Sec'y.



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Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

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1,000,000 Grand Rapids and Tennis Ball Lettuce

COLD FRAME PLANTS

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FRANK BRUNTON, Gen'l Manager.

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NORFOLK, VA.

READY NOW FOR DELIVERY

2,000,000 Fine Two-year-old

Early Giant Argenteuil Asparagus Roots

Grown from best French Imported Seeds at \$2.50 per 1000, in lots of ten thousand or more.

Also Millions of Frost-Proof Cabbage Plants

of each of the following varieties: Jersey Wakefield, Charleston Wakefield, Early Spring, Early Flat Dutch, All Seasons, Succession, Late Flat Dutch, at 75c for 500; \$1.00 per 1000; 85c per 1000 for 5000 or more. All delivered at Charleston, Express, Railroads or Steamship Lines. Cash with order.

ALFRED JOUANNET,
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TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Quality in Young Stock

NEW ROSES.

MILADY
Grafted.....per 100, \$30.00 Per 1000, \$250.00
Own Root.....30.00 250.00

MRS. GEO. SHAWYER
Grafted.....per 100, \$30.00 Per 1000, \$250.00
KILLARNEY QUEEN and DOUBLE WHITE KILLARNEY
Two new Roses of last season.
Grafted.....per 110, \$20.00 Per 1000, \$150.00
Own Root.....12.00 100.00

MRS. CHAS. RUSSELL (March delivery)
Grafted.....per 100, \$35.00 Per 1000, \$300.00

**KILLARNEY, WHITE KILLARNEY, MY MARYLAND,
DOUBLE PINK KILLARNEY, MRS. TAFT (Rivoire)
RADIANCE, MRS. AARON WARD, LADY
HILLINGDON, RICHMOND**

Grafted.....per 100, \$15.00 Per 1000, \$120.00
Own Root.....7.50 60.00

CARNATION CUTTINGS.

ROSETTE, ST. NICHOLAS, BENORA
Rooted Cuttings.....per 100, \$6.00 Per 1000, \$50.00
BEACON
Rooted Cuttings.....per 100, \$3.50 Per 1000, \$30.00

MRS. C. W. WARD, MAY DAY
Rooted Cuttings.....per 100, \$3.00 Per 1000, \$25.00

CHRYSANTHEMUMS.

The Best Commercial Varieties in Existence.

CHRYSOLORE, UNAKA, CHADWICK, SUPREME, DECEMBER GEM, W. R. BROCK

Rooted Cuttings, \$4.00 per 100, \$30.00 per 1000. 250 of a variety at the 1000 rate.

New varieties and a list of the best commercials given in full in our catalogue.

POMPONS

FAIRY QUEEN, the best pink; **HELEN NEWBERRY**, the best late white, from 2¼-inch pots, \$6.00 per 100, \$50.00 per 1000
TO COVER THE SEASON CONSIDER THE LIST BELOW AND SEND IN YOUR ORDER.

WHITE—Nio, Baby Margaret, Diana. **YELLOW**—Overbrook, Mertsham Tints, Baby, Quinola, Souvenir d'Or (Mrs. Frank Beu). **PINK**—Eleganta, Alena, Minia, Alma. **BRONZE YELLOW**—Miss Julia, Allentown. **RED**—Rufus, Lyndhurst, Julia Lagravere. From 2-in. pots, \$3 per 100, \$25 per 1000. 5 varieties at the 100 rate; 250 at the 1000 rate
SINGLES. A collection of the twelve best varieties for cut sprays.

BEDDING STOCK—**COLEUS** in quantity, **SALVIA**, **ALTERNANTHERA**, **HELIOTROPE**, **AGERATUM**, **ACHYRANTHES**.

No order too large for our wholesale department. Use printed stationery or enclose your card. Wholesale prices to the trade only.

A. N. PIERSON, Inc., Cromwell, Conn.

"Mrs. George Shawyer"

We can still quote March delivery on this sterling Rose but would ask that you do not delay too long before investigating its merits.

SHAWYER and MILADY, \$30.00 per 100; \$250.00 per 1000. Grafted or Own Root.

CARNATIONS.

Northport: The leader in the dark pink section. **Commodore**: The freest blooming scarlet we have.

Enchantress Supreme and Salmon Beauty: Two fine sports from Enchantress.

\$12.00 per hundred; \$100.00 per thousand.

CHAS. H. TOTTY, MADISON, N. J.

Miscellaneous Plants

Smilax, 2-in., per 100, \$1.00. **Dracaena Indivisa**, 2-in., per 100, \$2.00. **New Double Daisy**, Mrs. F. Sander, 2-in., per 100, \$2.00. **Cryptomeria Japonica**, 2-in., per 100, \$5.00. **Asparagus Plumosus**, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

Mention the American Florist when writing

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL

Mention the American Florist when writing

Flower Colors

Use our COLOR CHART in describing them

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St., CHICAGO

SHAMROCK, TRUE IRISH.

Strong plants from 1¼-in. pots...100, \$3; 1000, \$25.
Strong plants in 1-in. pots with saucers, \$4 per 100;
35 per 1000.

FERNS FOR DISHES.

Best assorted varieties from 2¼-in. pots...100, \$3.50;
1000, \$30.. 500 at 1000 rate. Cash with order.

FRANK OELCHSLIN,

4911 West Quincy St., CHICAGO.

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins
Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
Boston and Whitman Ferns, 3-in., 10c; 4-in., 15c;
5 in., 25c.
Dracaena Ind., 3-in., \$5.00; 4-in., \$4.00; 5-in.,
\$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengerii, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas,
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

The Early Advertisement Gets There.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.
Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

The Late William D. Ellwanger.

William D. Ellwanger, a son of the late George Ellwanger and himself an active figure for many years in the business and social life of Rochester, N. Y., died Sunday, February 16, at his home, 510 East avenue. He had not been in good health for some time, but his condition was not considered serious. Mr. Ellwanger was president of the Ellwanger & Barry Nursery Company and also president of the Ellwanger & Barry Realty Company. His club connections were numerous and his name appeared in the directorate of several business institutions. He also was a writer of prose and verse that were received with favorable comment. Besides his wife he leaves one daughter, Evelyn S. Ellwanger.

Connecticut Nurserymen's Association.

The annual meeting of the Connecticut Nurserymen's Association was held in the offices of the state entomologist at the agricultural experiment station, New Haven, February 12. President McCartney in the chair. Election of officers resulted as follows: T. E. Burroughs, Deep River, president; Steven Hoyt, New Canaan, vice-president; F. S. Thomas, Manchester, secretary; W. W. Hunt, Hartford, treasurer; John Barnes, Yalesville, chairman legislative committee; C. R. Burr, Manchester, chairman executive committee; Paul Hubbard, Bristol, chairman entertainment committee.

The association was found to be in a flourishing condition financially and otherwise. Among those on the programme were John Barnes, "Storage Cellars;" C. R. Burr, "Replacement of Nursery Stock;" Dr. W. E. Britton, state entomologist, "Insect Pest Law." The legislative committee was instructed to take such steps as possible to do away with some of the objectionable features of the bill. A bill permitting a short open season for deer, which are found to be very destructive of young nursery stock, was recommended.

At the afternoon session there was a lecture by Prof. E. H. Jenkins of the agricultural experiment station on "Fertilizers," and an illustrated lecture on "Japan and Japanese Gardens," by E. F. Coe. Both were very instructive and were much appreciated.

FRANK L. THOMAS, Sec'y.

Seasonable Nursery Work.

The unusually mild weather of the winter up to this time has been favorable for outdoor work, and there has been little to interfere with seasonable work in the nursery and plantations. Labor is easy to get and comparatively cheap, and may be profitably employed in doing many things that are better done at this time of the year than at any other. While the leaves are off one can see the whole anatomy of the plants clearly and

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City: Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists. RUTHERFORD, N. J.

MANETTI STOCKS.

Well rooted. English-Crown Manetti Rose stocks, especially selected for Florist's grafting.

5 to 8 m-m.....\$12.00 per 1,000 3 to 5 m-m.....\$10.00 per 1,000

Duty paid. We are filling orders NOW; can take care of a few more late buyers. Are YOU supplied? Send us your order. Shall we ship by freight or express?

JACKSON & PERKINS CO., Newark, New York

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,
P. O. Berlin N. J. Williamstown Junc., N. J.

Robert Craig Co...

High Class PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids. Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Catalpa Bungei

Specimen trees with wide spreading tops

2 to 4 years and straight 7 ft. stems, 2 to 3-inch caliper.

Get our prices on all kinds of shade trees.

W. B. COLE, Avenue Nurseries,
Painesville, - - - - - Ohio.

ROOTED CUTTINGS.

	Per 100.	Per 1000
Verbenas.....	\$0.70	\$ 6.00
Ageratums.....	.60	5.00
Heliotrope, Daisies, Salvias..	1.00	8.00
Feverfew, Petunias.....	1.25	10.00
Coleus.....	.70	6.00
Alyssum, Double.....	1.00	8.00
Cash with orders. Express Paid. Write		

S. D. Brant, Clay Center, Kans.

Sphagnum MOSS

BURLAPPED

Fresh clean moss from new marsh, full sized bales.

Vaughan's Seed Store,
Chicago. New York.

California Privet

	Per 1000'
2 to 3 feet, 2 yrs.....	\$10.00
3 to 4 feet, 2 yrs.....	15.00
4 to 5 feet, 2 yrs.....	20.00

Amoor River Privet

	Per 1000
12 to 18 inches, 1 yr.....	\$10.00
18 to 24 inches, 1 yr.....	15.00
2 to 3 feet, 1 yr.....	20.00

Oak Lawn Nursery

HUNTSVILLE :: :: ALABAMA

Osmundine

(Osmunda Fibre or Orchid Peat.)

BROWNELL'S SUPERIOR QUALITY.

Used the World Over

Price List and Samples on Request

The C. W. Brownell Company
Walden, N. Y.

Grow The Herald

OUR NEW SCARLET CARNATION

- 100 per cent** Better than any other Scarlet Carnation you are growing.
- 25 per cent** More blooms from "The Herald" than any other Scarlet or Enchantress.
- 25 per cent** More perfect flowers from "The Herald." Any Scarlet or Enchantress you are now growing produce 25% splits or weak stems; all Herald blooms are perfect.
- 25 per cent** More profit per sq. ft. bench from "The Herald" blooms which bring the highest market price on account of their long stiff stems, perfect Calyx, large full flowers, clear even shade of scarlet. Excellent keeping qualities.
- 25 per cent** More satisfaction in growing "The Herald." Cuttings propagated in March make large plants and are in full crop by Oct. 1st, and continue in crop the entire season, giving a heavy cut for Christmas and afterwards. The only scarlet to win First Prize best 100 scarlet.

Cincinnati, November, 1911

St. Paul, November, 1912

Cleveland, November, 1912

All cuttings guaranteed strong, healthy and well rooted.

Ready March 1, 1913—\$12.00 per 100. \$100 per 1000

Ready for Immediate Delivery.



Gloriosa, medium pink.....	\$4.00 per 100;	\$35.00 per 1,000
Benora, variegated.....	6.00 per 100;	50.00 per 1,000
White Wonder.....	3.00 per 100;	25.00 per 1,000

	100	1000		100	1000
Enchantress.....	\$3.00	\$25.00	Scarlet Glow.....	\$3.00	\$25.00
White Enchantress.....	3.00	25.00	Washington.....	3.00	25.00
Victory.....	3.00	25.00	Rose Pink Enchantress.....	3.00	25.00
Beacon.....	3.00	25.00	May Day, deep flesh.....	3.00	25.00

Very low prices on large lots.

Send us your list for quotations.

CHICAGO CARNATION COMPANY

A. T. PYFER, Mgr.

30 E. Randolph Street : : : CHICAGO, ILL.

the work of pruning, thinning and shaping can be attended to with neatness and dispatch. Gather up all the twigs and branches and do not leave them to be trampled into the mud or they will make trouble when you are cultivating next spring. Besides, many of these prunings will make excellent material for propagation. Gather them up and store away in a place where they will not dry out and the first stormy day they can be made into cuttings for spring planting.

Six or eight inches is the length usually advised for hardwood cuttings for outside planting, but they may be made shorter or longer as conditions require. If too short they are likely to dry out before getting established, and if too long it will increase the work of digging. Much will depend upon the character of the soil in the cutting beds and on the facilities for caring for them. A great many grape vines are propagated in this section and the long cutting is used to a great extent, the two-storied plant being demanded by most of the planters. But whatever the length of the cutting, there is no reason for having more than one or two buds above ground. This applies to cuttings of deciduous plants.

The sooner cuttings are made the better, though many kinds may be

Tuberous Rooted Begonias



	Doz.	100	1000
Single sorts—white, scarlet, yellow, pink.....	\$.40	\$2.50	\$22.00
Single sorts—mixed.....	.35	2.25	20.00
Double "—white, scarlet, yellow, pink.....	\$.65	\$4.50	\$40.00
Double sorts—mixed.....	.60	4.00	37.50

Gloxinias

Grassifolia Grandiflora

All the spotted and Tigered variations in sound bulbs.

	Doz.	100	1000
Separate colors.....	\$.60	\$3.50	\$30.00
Choice mixture.....	.50	3.20	28.00

Spiraea Clumps

	Per 100
Gladstone.....	\$ 7.00
Floribunda.....	6.00
Japonica.....	5.00

Lily Bulbs

	Per 100
Album, 8-9 inch.....	\$ 9.00
Album, 9-11 inch.....	12.50
Auratum, 9-11 inch.....	10.00
Rubrum, 8-9 inch.....	6.00
Rubrum, 9-11 inch.....	9.00

Write for Florists' Catalog.

Vaughan's Seed Store,

CHICAGO and NEW YORK

The Early Advertisement Gets There

10,000 Light Pink Enchantress Carnation Cuttings

Must Be Sold at Once
\$20.00 per 1000
While they last.

These cuttings are taken from stock grown by the most successful growers of the Enchantress variety of carnations in this vicinity and are big value at the price quoted. Send in your order now.

Percy Jones

56 E. Randolph St., Chicago

taken for a month or more and some even after the buds begin to swell. The slower rooting kinds, however, should be taken early so that they may have time to form a good callous before the buds begin to grow. Cuttings of evergreens should have been taken before this, as most of them are slow and require more time than deciduous plants. They may still be taken, however, if the wood is still plump and stiff.

It is customary to put these evergreen cuttings directly into sand. Put them in a cool place to begin with and later they can be given more heat. These cuttings do not need to be planted very deep. We propagate in a small way in ordinary flats with about two inches of sand. If the wood is in good condition, the larger the cutting the larger will be your plant at the end of the year's growth. There is a great difference in the time required for different evergreens to strike root. Some will strike in a few months and some will remain in the sand a year or even more before rooting.

We find it pays to prepare our evergreens for winter by bringing the branches closely together and passing stout twine around them, to hold them in place. This prevents the snow and ice from breaking and bending them and also prevents burning to a great extent. Recently we passed through a severe ice storm and our trees and shrubs were coated with ice until they were carrying five or six times their weight. These conditions lasted for three days. Unprotected plants were badly bent and torn, while those which had been wrapped up came through without injury. C.

Canada Bars New England Trees.

In order, it is claimed, to prevent the introduction of the gypsy moth into Canada, the following customs regulations have been decided upon: Forest plant products, including logs, tanbark, posts, poles, railroad ties, cordwood, and lumber originating in any of the states of Maine, New Hampshire, Vermont, Massachusetts, Connecticut, and Rhode Island shall not be admitted into Canada unless

Fine Decorative Plants

Make up your order now from this list and let us have it as early as possible.

PRICE LIST.

Kentia Belmoreana. Per doz.	
4-in. pot, 12 to 15 in. high, 6 leaves.....	\$4.50
Each.	
6-in. pot, 24 in. high, 6 to 7 leaves.....	1.25
6-in. pot, 28 to 30 in. high, 6 to 7 leaves....	1.50
7-in. pot, 36 in. high, 6 to 7 leaves.....	2.50
8-in. pot, 36 to 38 in. high, 6 to 7 leaves....	3.00
9 in. tub, 46 to 50 in. high, 6 to 7 leaves..	\$5 to \$6
Specimens, 9 to 10 in. tubs, \$6.00 to \$15.00 each	

Kentia Forsteriana.	
4-in. pot, 15 to 18 in. high.. Ea. 75c: doz..	\$4.50
5 in. pot, 20 to 24 in. high.....	9.00
6 in. pot, 28 to 30 in. high, 6 leaves.... Ea.	1.25
6-in. pot 34 to 36 in. high, 6 leaves....	1.50
7-in. pot, 38 to 40 in. high, 6 to 7 leaves..	2.50
7-in. pot, 40 to 45 in. high, 6 to 7 leaves..	3.00
8-in. pot, 48 to 50 in. high, 6 to 7 leaves..	5.00
Specimens in from 8 to 12 in. tubs, from \$6.00 to \$15.00 each.	

Made-up Kentia in Tubs.

6-in. tubs, 28 to 30 in. high, 3 plants.....	\$2.00
6-in. tubs, 32 to 34 in. high, 4 plants....	3.00
8 in. tubs, 44 to 48 in. high, 4 to 5 plants..	5.00
8 in. tubs, 48 to 52 in. high, 5 plants.....	6.00
10-in. tubs, 4½ feet high, 5 plants.....	8.00
10 in. tubs, 4½ to 5 feet high, 5 plants.....	10.00
10 in. tubs, 6 feet high, 5 plants	12.00

For larger specimens in tubs prices on application.

Areca Lutescens, 7 inches strong, \$2.00 each

Plants Ready For Immediate Sale.

Bostons , 6 in.....	\$0.50 each, \$ 6.00 per doz.
" 7 in.....	0.75 " 7.50 " "
" 8 in.....	1.00 " 10.00 " "
" 10 in.....	2.50 " "
" 12 in	3.50 " "

Bostons, strong 2½ in.....\$3.50 per 100
Dracaena Massangeana...\$1.25 to \$1.50 each
Dracaena Godseffiana, 3-in., 20c each, \$2.00 per dozen.

Phoenix Roebeleni, 3 in.....\$2.50 per doz.

Pandanus Veitchii, 4 in..... 5.00

Pandanus Veitchii, highly colored:
" 5 in.....each, \$1.00

" 6 in..... 1.50

" 7 in..... 2.50

Rubber Plants, strong 6-in., 75c to \$1.00 each

Ficus Pandurata, 6-in., 2½ to 3 feet high, extra strong plants, \$3.50 each; 7-in., 5 to 6 feet tall, \$4.50 to \$5.00 each.

Table Ferns, 10 varieties:
" 2½ in., \$3.00 per 100; \$25.00 per 1000

" 3 in., strong, \$6.00 per 100; \$55.00 per 1000.

Azalea Indica, in bud and bloom: pink, red and white; fine plants at 75c to \$1.50 each.

Cyclamen in bloom, 5-in., 40c each; 6-in., 60c each.

Primroses in full bloom, 4-in.: \$2.00 per doz.; 5-in. \$3.00 per doz.

True Irish Shamrocks

Special for St. Patrick's Day, strong, 2-inch, \$3.00 per 100; \$25.00 per 1000.

Poehlmann Bros. Co.

Plant Department,

Morton Grove, Illinois

Comfort Carnation Cuttings

A Scarlet second to none. A Carnation that came to stay. Be wise, have comfort. Orders filled in rotation. Cuttings guaranteed, \$4.00 per 100. \$30.00 per 1,000.

S. M. MERWARTH & BROS.

Carnation Specialists

EASTON, PA.

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman Compacta (new), to take the place of Whitman. A better commercial fern; 2½ in., \$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON. Whitman, Mass.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my Specialty

such forest plant products shall be accompanied by a certificate showing that they have been inspected by the United States Department of Agriculture and found free from the gypsy moth. Importation of coniferous trees, such as spruce, fir, hemlock, pine,

juniper (cedar), and arbor vitae (white cedar) or foliage thereof, and decorative plants, such as holly and laurel, from the States of Vermont, Maine, Massachusetts, New Hampshire, Connecticut, and Rhode Island is prohibited

EASTER STOCK.

Order now, and we will ship at any time wanted
Stock Guaranteed.

Terms: Cash or approved credit of 30 days.

Lilies, cut, \$2.00 per doz.: \$12.50 per 100.
Lilies, plants, 12½ to 15 cents per bud.
Hydrangeas, imported stock, 3 to 8 heads at 75c.
\$1.00, \$1.50 and \$2.00 each.
Azaleas at \$1.00, \$1.25 and \$1.50 each.
Spiraeas, 35c, 50c and 75c each.
Baby Ramblers, 35c, 50c and 75c each.
White Ramblers, 35c each.
Souperets and Hermosea 35c and 50c each.
Primroses..... 3 inch 4-inch 5-inch
Obconica..... \$8.00 \$12.50 \$25.00
Malacoides..... 10.00 20.00 35.00
Cinerarias..... 8.00 15.00 20.00
Begonias..... 7.50 15.00

BULB STOCK.

Hyacinths..... 4-inch 5-inch 6-inch
Tulips..... \$10.00 to \$15.00 \$25.00 \$35.00
Von Sions..... 25.00 35.00
Narcissus..... 25.00 35.00

Ask for our Fern list and Soft Wooded stock list.

Geo. A. Kuhl,
WHOLESALE GROWER, PEKIN, ILL.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

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F. F. SCHEEL

SHERMERVILLE, ILL.

Wholesale Growers of Cut Flowers, Pot
Plants and Nursery Stock

DAHLIAS

Standard and New Cut Flower Varieties
Lindhurst Farm
Hammonton, N. J.

Mention the American Florist when writing

SPROSEs

THE LEEDLE FLORAL COMPANY.
SPRINGFIELD, OHIO.

Geraniums AND Coleus

Ricard and Poitevine, \$15.00 per 1000. S. A. Nutt, \$12.50 per 1000; next delivery about March 17. G. Bedder, Vers., and general assortment \$6.00 per 1000; ready almost any time. Plumosus, just right for Easter pans, sample, 10 cents; 100, \$2.50.

Safe Delivery Guarantee.

Albert M. Herr, Lancaster, Pa.

Making Good At Easter.

There is nothing better for florists to do than to hurry to Aschmann, for Easter is due. The plants he has will be just in their prime. He has grown them right in the nick of time. Like trumpets of alabaster made, His Lilies are quite the best in the trade. And flowering plants of every sort.



Have Lilies to beat the band, to beat the band.
— to burn, to burn— the best in the land.

Azalea Indica for Easter.

We are one of the biggest importers of this so well known Easter novelty. The Azalea raised especially for us by our Azalea specialists in Ghent, Belgium. We have three houses full of the favorite *Mme. Vander Cruyssen*, introduced by Mme. Vander Cruyssen, of Ghent, Belgium, and it is one of the best double pink varieties. Our plants are very fine this year full of buds especially the big sizes which are as round as an apple. We have them in all sizes to meet the demand. Price 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50. *Vervaeckiana*, double variegated; *Schroederiana*, double variegated; *Simon Mardner*, double pink; *Niobe*, double white, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50, \$3.00, \$3.50, \$4.00, \$4.50, \$5.00, \$5.50, \$6.00, \$6.50, \$7.00, \$7.50, \$8.00, \$8.50, \$9.00, \$9.50, \$10.00, \$10.50, \$11.00, \$11.50, \$12.00, \$12.50, \$13.00, \$13.50, \$14.00, \$14.50, \$15.00, \$15.50, \$16.00, \$16.50, \$17.00, \$17.50, \$18.00, \$18.50, \$19.00, \$19.50, \$20.00, \$20.50, \$21.00, \$21.50, \$22.00, \$22.50, \$23.00, \$23.50, \$24.00, \$24.50, \$25.00, \$25.50, \$26.00, \$26.50, \$27.00, \$27.50, \$28.00, \$28.50, \$29.00, \$29.50, \$30.00, \$30.50, \$31.00, \$31.50, \$32.00, \$32.50, \$33.00, \$33.50, \$34.00, \$34.50, \$35.00, \$35.50, \$36.00, \$36.50, \$37.00, \$37.50, \$38.00, \$38.50, \$39.00, \$39.50, \$40.00, \$40.50, \$41.00, \$41.50, \$42.00, \$42.50, \$43.00, \$43.50, \$44.00, \$44.50, \$45.00, 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The "BIG FOUR" bedders, S. A. Nutt, (dark red) Gen. Grant, (best bright red) Mme. Buchner, (only dbl. white), \$1.50 per 100; \$14 per 1,000. Beaute Poitevine (salmon), \$1.75 per 100; \$16 per 1,000. Cash. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, S. A. Nutt and La Favorite, short stock plants 2 1/2-in., \$2.50 per 100; \$22.50 per 1,000. Rose geranium, 2 1/2-in., 3 cents. Mme. Sallerol, strong plants, 2-in., \$2 per 100; \$18 per 1,000. ROBER & RADKE, Maywood, Ill.

Geranium Scarlet Bedder, \$1.50 per ten; \$12.50 per 100; \$100 per 1,000. Elmer D. Smith & Co., Adrian, Mich.

Geraniums, 3-in., mixed red shades, choice stock ready now. A. Bargain, \$5 per 100. Cash. C. L. Humphrey, Zanesville, O.

Geraniums, Ricard and Poitevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, S. A. Nutt and four others, \$25 per 1,000; \$3 per 100. Mme. Buchner, 2 1/2-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, Nutt, 2 1/4-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerol, 2 1/4-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Greens, ferns, \$1.35 per 1,000; 2,000, \$2.00; 5,000 or more, \$1.20 per 1,000. Robert Groves, 127 Commercial St., Adams, Mass.

Bronze galax, \$5 per case; 5 or more cases, \$1.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

HYDRANGEAS.

New forcing HYDRANGEA ARBORESCENS GRANDIFLORA ALBA or Hills of Snow. For forcing or immediate sales: 1-yr., field-grown, 12 to 18 inches, 2 canes, \$1.25 per doz.; \$8 per 100; \$75 per 1,000. Select, 2 to 3 canes, \$1.50 per doz.; \$10 per 100; \$80 per 1,000. 2-yr., field grown, 18 to 24 inches, 2 to 3 canes, \$2 per doz.; \$14 per 100; \$120 per 1,000. Our catalogue of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.

Largest rose growers in the world.
Box. 18. SPRINGFIELD, O.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, field-grown, 3 to 10 shoots, 10c to 35c. The Erie Floral Co., Erie, Pa.

IVIES.

ENGLISH IVY,
2½-in. pots, \$5.00 per 100.

CONARD & JONES CO. PENNSYLVANIA.

English ivy, strong, 3-in. stock. Write for prices. C. L. Reese, Springfield, O.

JERUSALEM CHERRIES.

Jerusalem cherries, 6-in., 25c and 35c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the valley. Grow Bruns' celebrated Chicago Market, the finest forcing variety in America. \$18 per 1,000; \$9.50 per 500; \$5 per 250; Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

Lily of the valley pips, from cold storage, per case of 500, \$9; per case of 1,000, \$17. Vaughan's Seed Store, Chicago and New York.

MANETTI.

Manetti stocks, English-grown, 5-8 m-m, \$12 per 1,000; 3-5 m-m, \$10 per 1,000. Jackson & Perkins Co., Newark, New York.

MARGUERITES.

MARGUERITES.

Mrs. F. Sander, 2-in., \$2.50 per 100; 3-in., \$5 per 100; Alexandra and large flowering and California single, 2-in., \$2 per 100; 3-in., \$4 per 100. ROBER & RADKE, Maywood, Ill.

MOSS

Just received a carload of MOSS, which will be sold at the right price. Call Lawndale 1834.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

Moss, one 10 bbl. bale, \$3.50; two bales, \$6.50. The Ocean Co. Moss & Peat Co., Waretown, N. J.

Sphagnum moss. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock. Storrs & Harrison Co., Painesville, O.

SHRUBBERY.

There are bargains to be had here in such varieties as spruces, altheas, weigelas and philadelphus, and this names only a few. We have acres of shrubs, well grown and ready for you. Write for price list.

The Conard & Jones Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

ONION SETS.

Choice cleaned ONION SETS, red, \$1.50; white, \$2; yellow, \$1.40 per bushel of 32 lbs. J. C. Zaplewski & Co., Growers, Norwood Park, Ill.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Osmundine (Osmunda fibre or orchid peat.) The C. W. Brownell Co., Walden, N. Y.

PALMS.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms, Kentia Fors., single, 25 to 50 ins. high, 75c to \$2.50. Made-up, \$2.50 to \$4. Belmoreana, 6-in., 50c to 75c; 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hancock, Wyncote, Pa.

Palms. McHutchison & Co., 17 Murray St., New York.

Palms. Storrs & Harrison Co., Painesville, O.

PANSIES

Pansy plants, giant flowering, small plants, \$2.50 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

Pansies. \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

POINSETTIAS.

POINSETTIAS, stock plants, 2 and 3-year-old, \$5 per 100. Cash with order. Rose Hill Nurseries, New Rochelle, N. Y.

PRIMULAS.

Primula Obconica grandiflora and Chinese, 5¼-in., \$2 and \$2.50 per doz.; 4-in. Obconica, 10c and 15c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Primula Obconica, 3-in., \$4 per 100 cash. John Bauscher, Jr., Freeport, Ill.

PRIVET.

California privet, 2 to 3 feet, 2-yr., \$10 per 1,000; 3 to 4 ft., \$15; 4 to 5 ft., \$20. Amoor River, 12 to 18 inches, 1-yr., \$10 per 1,000; 18 to 24 ins., \$15; 2 to 3 ft., \$20. Oak Lawn Nursery, Huntsville, Ala.

ROSES.

ROSES. Fine healthy stock, 2-inch, Helen Gould, Mrs. B. R. Cant, Pink and White Cochet, Gruse an Teplitz, Wellesley, Etoile de France, Mme. A. Chateau, Kaiserin, Duc de Brabant, Vis. Folstone, Hermosa, Pink, Red and White La France, Mrs. De Graw, Burbank, Champion of World, Mrs. S. McKee, Apricot, Deegan, Glo. Exp. Bruzells, 2-in., \$3 per 100. Bride, Bridesmaid, Clo. Souper, S. de P. Notting, M. Lambert, Coq. des Blanchés, Emp. China, Climbing Clo. Souper, 2-in., \$2.50 per 100. Our selection of varieties all labeled true to name, \$20 per 1,000. ORDER NOW. WAGNER PARK CONSERVATORIES, Sidney, O.

Roses. For varieties and prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

ROOTED ROSE CUTTINGS.

Per 100 Per 1,000
Pink Killarney..... 2.50 20.00
White Killarney..... 2.50 20.00
Richmond..... 2.00 18.00
My Maryland..... 3.00 25.00
Ready now. Satisfaction guaranteed.

GEORGE REINBERG.

102 N. Wabash Ave. Chicago, Ill.

Rose, Mrs. Chas. Russell, price on grafted stock, per 12, \$7.50; per 100, \$35; per 250, \$82.50; per 500, \$150; per 1,000, \$300; per 2,500 \$687.50; per 5,000, \$1,250. Waban Rose Conservatories, Natick, Mass.

Roses, grafted and own root. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Rose, Mrs. George Sawyer and Milady, \$30 per 100; \$250 per 1,000. Chas. H. Totty, Madison, N. J.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Roses. 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

ROOTED CUTTINGS.

Rooted Cuttings: Abutilon Savitzi, Acalypha Macaefean, Schryanthus Emersoni, ageratum, 6 vars.; alternantheras, 8 vars.; alyssum, dbl. giant and dwf.; Begonia Vernon, Gracilis luminosa, Cuphea, Coleus, 10 vars.; Coleus Brilliantcy; Chrysanthemums, 75 pompon vars.; heliotrope, hardy English Ivy, lantana, 15 vars.; lemon verbenas, moonvines, petunias, Salvia Bonfire and Zurich; parlor Ivy, Swainsosa alba and roses. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Rooted cuttings: Verbenas, 70c per 100; \$6 per 1,000. Ageratum, 60c per 100; \$5 per 1,000. Heliotrope, daisies, salvias, \$1 per 100; \$8 per 1,000. Feverfew, petunias, \$1.25 per 100; \$10 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Alyssum, double, \$1 per 100; \$8 per 1,000. S. D. Brant, Clay Center, Kans.

Rooted cuttings, Ageratum, Stella Gurney, 60c per 100. Daisy, Mrs. F. Sander, \$1 per 100. Hydrangea Otaksa, \$1 per 100; Vinca Var., 75c per 100. Edward Wallis, Berlin, N. J.

SEEDS.

THE SAWYER ASTERNUM—Eight years of strict selection places it on the mountain top of perfection, in color, size and profit. Price (cash with order), \$8 oz., \$4.50, ¼ oz.; trade pkg., 1,000 seeds (not mixed), \$1. Colors: White, pink and lavender. Send for cuts and description. ALBERT A. SAWYER, Forest Park, Ill.

Flower seeds. For varieties and prices see advertisement elsewhere in this issue. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Seeds, cauliflower, white Tripoli onion, (crystal wax) and all other vegetable and flower seeds. Dammann & Co., San Giovanni a Teduccio near Naples, Italy.

Seeds, Asparagus plumosus nanus, new crop northern greenhouse grown, ready. Vaughan's Seed Store, Chicago and New York.

Seeds, beets, cabbage, carrot, celery, lettuce, onion, parsley, radish, rutabaga, turnip. Debaiffe & Son, Carignan, France.

Seed, perennial rye grass, \$3.75 per 100 lb. bag. Avenue Floral Co., 3442 St. Charles Ave., New Orleans, La.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, specialties: Beets, mangoes, carrots, cabbages, celeries, parsleys, parsnips, turnips, R. & M. Godineau, Angers, France.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Robnett, Gilroy, Calif.

Seeds, pepper, asparagus, tomato, musk and watermelon. J. E. Hoopes & Co., Box 38, Muscatine, Iowa.

Seed, pansy, 1,000 seeds, mixed, 25c; 1 oz., \$2.25. H. Wrede, Lunenburg, Germany.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Seeds—Agerantum, alyssum, antirrhinum, Asparagus plumosus and Sprengerii, asters, begonia, candytuft, celosia, centaurea, cineraria, cobra scandens, coleus, Dracena indivisa, Grevillea robusta, Ipomea, lobelias, mizonelette, petunias, salvias, smilax, stocks, Thunbergia, Torenia For., verbenas. For varieties and prices see advertisement elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Seeds, beans, beets, cabbage, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

Seeds, lawn grass, J. Oliver Johnson, 1874-76 Milwaukee Ave., Chicago.

Seeds, Wm. Henry Maule, 1707-11 Filbert St., Philadelphia.

Seeds, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, garden and flower, S. D. Woodruff & Sons, 82-84 Dey St., New York.

Pedigree seeds, Watkins & Simpson, Ltd., 12 Tavistock St., Covent Garden, London, England.

Seed, watermelon, 1913 contracts for the trade, Hugh M. Taylor, Lloyd, Fla.

Seeds, W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds, Oklahoma Seed Growers' Co., Euid, Okla.

Seeds, tomato, The Haven Seed Co., Santa Ana, Calif.

Ratekin's Seed Corn, Ratekin's Seed House, Shenandoah, Iowa.

Peas and beans, Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds, W. W. Johnson & Son, Ltd., Boston, England.

Seeds, Japan clover, Bermuda onion seed, Chris. Reuter, New Orleans, La.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish, Branlan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden, J. Boigiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds, James Vick's Sons, Rochester, N. Y.

SHAMROCKS.

Shamrocks, true Irish, 1½-in., pots, \$3 per 100; \$25 per 1,000. Strong plants in 1-in. pots with saucer, \$4 per 100; \$35 per 1,000. Frank Oechslein, 4911 W. Quincy St., Chicago.

Shamrocks, true Irish, 2x2½-in. pots, \$5 per 100; \$30 per 1,000. John Bader Co., 1826 Rialto St., N. S., Pittsburg, Pa.

SMILAX.

Smilax Seedlings, surplus stock, very fine, 45c per 100; \$4 per 1,000. Cash please. L. B. Coddington, Murray Hill, N. J.

Smilax, 3 times cut back, 2½-in., \$2 per 100 cash. John Bauscher, Jr., Freeport, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, Wood Bros., Fishkill, N. Y.

VEGETABLE PLANTS.

Vegetable plants, Early Giant Argenteuill asparagus roots, \$2.50 per 1,000 in 10,000 or more lots. Frost proof cabbage plants, Jersey Wakefield, Charleston, Wakefield, Early Spring, Flat Dutch, All Seasons, Succession, Late Flat Dutch, 75c per 500; \$1 for 1,000; 85c per 1,000 for 5,000 or more. Alfred Jouannet, Mount Pleasant, S. C.

We grow cauliflower, egg plant, peppers, lettuce, cabbage, tomatoes and parsley. See our other advt. FRANKLIN PLANT FARM, Inc., Frank Bruton, Pres. and Mgr., P. O. Box 964, Norfolk, Va.

Vegetable plants, Grand Rapids and Tennis Ball lettuce, \$1 per 1,000; 5,000 lots, 90c per 1,000; 10,000 lots, 80c per 1,000. Franklin Plant Farm, Inc., R. F. D. 2, Norfolk, Va.

VERBENAS.

Verbenas, our selection, cuttings, 75c per 100; \$6.25 per 1,000; plants, 2½-in., \$2.75 per 100; \$22 per 1,000. Purchasers' selection, cuttings, 90c per 100; \$8.25 per 1,000; plants, 2½-in., \$3.25 per 100; \$28 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Lemon verberna, rooted cuttings, 100 prepaid, 75c. Chas. Frost, Kenilworth, N. J.

VINCAS.

Vincas, 2-in., \$3 per 100; 4-in., \$1.75 per doz.; \$15 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

TO EXCHANGE.

Will exchange 1,000 Rose Pink Enchantress, 2-in. stocky plants, for 1,250 R. C. Beacon, Bonfire or Victory. The Nussbaumer Floral Co., San Angelo, Texas.

BUILDING MATERIAL.

Building material, Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material of all kinds. Hotbed sash. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Building material, Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

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SUPERIOR CARNATION STAPLES. Mead your split carnations. Finest article for carnation growers introduced so far, 50c for 1,000, postage paid.

MICHIGAN CUT FLOWER EXCHANGE, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

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Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs, Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, semi-iron green houses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing avenue, Brooklyn, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago

MISCELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5936 Penn Ave., near Highland, East End, Pittsburg, Pa.

Siebert's glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

Greenhouse glass, Baur Window Glass Co., Eaton, Ind.

Florists' Supplies of all kinds. T. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Gold, silver and purple letters. Gold and purple scripts. J. Lichtenberger, 1564 Ave. A, New York.

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Baskets, new imported stock, Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Glass, Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Greenhouse White Lead Paint. William H. Lutton, Jersey City, N. J.

Bauer Seed Germinator, 35c each; \$3.60 per doz. Bauer Germinator Co., Mantowoc, Wis.

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MATS.—We make not only the most practical but the cheapest HOTBED and COLD FRAME MATS on the market. A large per cent of our orders come from gardeners and florists who have tried them and are pleased. Our mats are in use in Iowa, Ill., Ind., Ohio, Minn., Wis., Mich., New York, Maine, Mass., Conn., R. I., N. J., Va., W. Va., and Pa. Also in British Columbia and Ont., Canada. Send for circular. WATTS BROS., Kerrmoor, Pa.

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ICELESS REFRIGERATING SYSTEMS.—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

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Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

STAKES.

Cane Stakes, Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

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McCullough's Sons Co., J. M., Cincinnati, O.

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Meconi, Paul, New York.

Montreal Floral Exchange, Ltd., Montreal, P. Q.

Moore, Hentz & Nash, New York.

Munk Floral Co., Columbus, O.

N. Y. Cut Flower Exchange, New York.

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Randall Co., A. L., Chicago.

Reinberg, Geo., Chicago.

Reinberg, Peter, Chicago.

Rice Bros., Minneapolis, Minn.

Rusch & Co., Gust, Milwaukee, Wis.

Pennock-Meehan Co., S. S., Philadelphia.

Perky Jones, Chicago.

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Thompson Carnation Co., J. D., Joliet, Ill.

Totty, Chas. H., Madison, N. J.

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Welsh Bros., Boston, Mass.

Wetor Bros., Chicago.

Widner Wholesale Floral Co., St. Louis.

Wittbold, H., Chicago.

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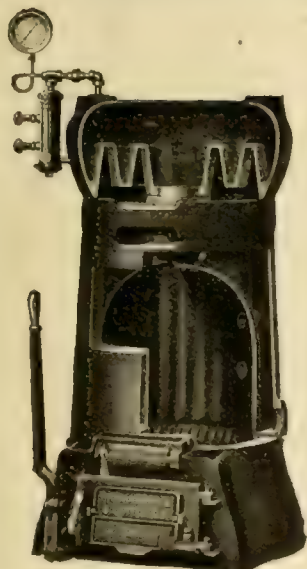
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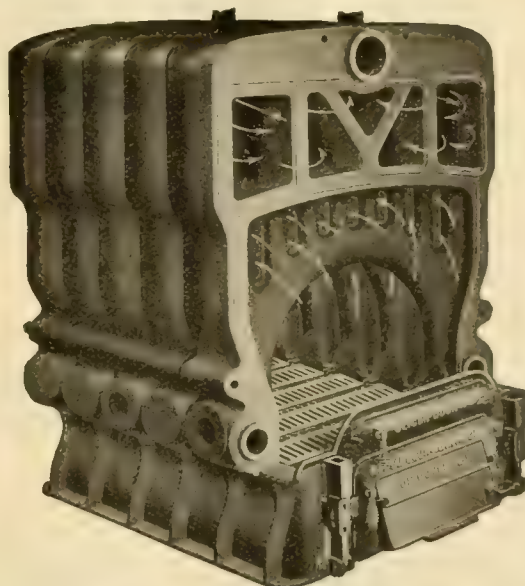
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ANY LENGTH UP TO 32 FT. OR LONGER.

THE *Mill* Steam Lumber Co.,

NEPONSET, BOSTON, MASS.

Davenport, Ia.

DEMAND ONLY ORDINARY.

The market at the present is well supplied in all lines. The demand is just ordinary. The carnation supply continues very large and the quality is good. Roses are scarce at present, but a big cut is in sight. The supply of bulbous stock of all kinds is ample. Daffodils are the best sellers. Sweet peas are good and find a ready sale, as do violets. Greens are scarce and smilax exceptionally so.

CLUB MEETING.

The Tri-City Florists' Club met at the home of Henry Gaethje of Rock Island on the afternoon of Thursday, February 13, with nearly every member present. The members first inspected the plant of Mr. Gaethje, and many were the comments on the stock, which is exceptionally fine. Mr. Gaethje does a retail business and grows most of the stock required to run a first-class place. Wm. Gows of Bettendorf,

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

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For GREENHOUSES

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Hot Water

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HOT WATER BOILERS
For Greenhouse Heating.

Made in 9 Sizes.

Superior Machine and Boiler Works.

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Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{8}$ and $\frac{7}{8}$. 40¢ per lb., by mail 16¢ extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade

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*The Insecticide that
kills plant Lice
of every species*

The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

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\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals.

Madison, N. J.

M. C. Ebel, General Manager.

Mention the American Florist when writing

Ia., read a paper on hardy plants for cut flowers for florists' use which was well received and brought out a lengthy discussion. Nomination of officers took place, the election to be held at the next meeting, which will be March 13 at the home of Wm. Knees of Moline. Supper and a social hour followed.

NOTES.

Ludwig Stapp is preparing to build a large cistern to hold several thousand barrels, to be used in an emergency in case anything happens to his large pumps, as occurred last spring when he was without water for three days. His bulb cellar built of concrete, half in and half out of the ground, has proved a success and saves lots of hard work getting in bulbs in zero weather.

McKinley day had no effect on the carnation market, no doubt because the day was not made a feature at the down-town stores. St. Valentine's day, however, proved a bigger trade-getter than ever before. There have been very few events that call for large orders, but plenty of funeral work to keep all busy.

Rohlf, the nurseryman, had the misfortune to have a section of his boiler give way, flooding his cellar and playing freeze-out with the rest of his home. A faulty casting was the cause. The boiler is a new one.

Superintendent Boehm of the Davenport parks is busy designing plans for the new park. The winter has been so mild that much grading has already been done.

John Temple's place, the oldest establishment in Davenport, will be sold out and torn down as soon as possible. The ground will be platted and built up.

Hensley of Rock Island is the proudest and happiest man in the country. It's a 11-pound girl.

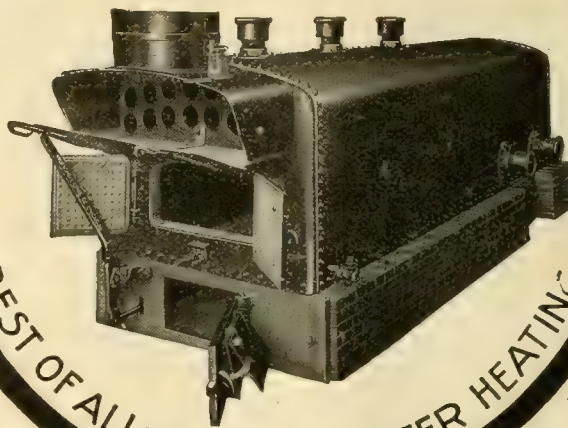
Ludwig Stapp of Rock Island is the owner of a new delivery car.

T. E.

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Thomson's VINE, PLANT and VEGETABLE Manure



Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure,
An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets, etc. to sole makers. Write for prices, etc.

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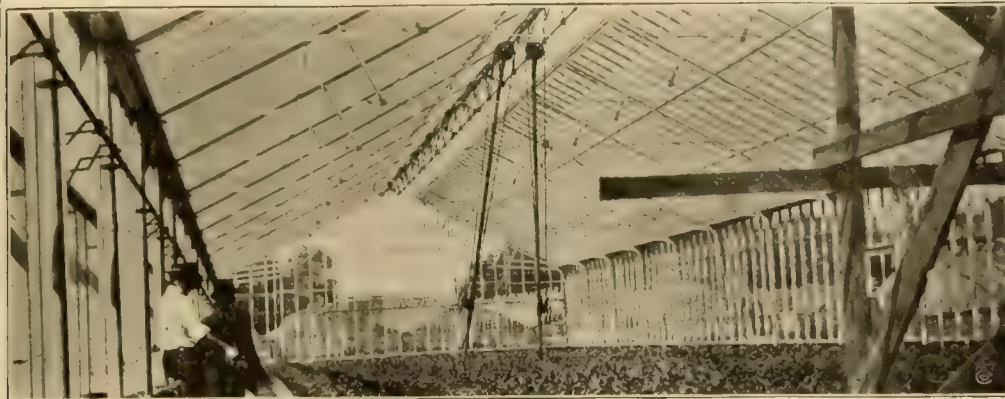
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Hot Water Boilers
ARE THE MOST ECONOMICAL
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No Night Fireman Required
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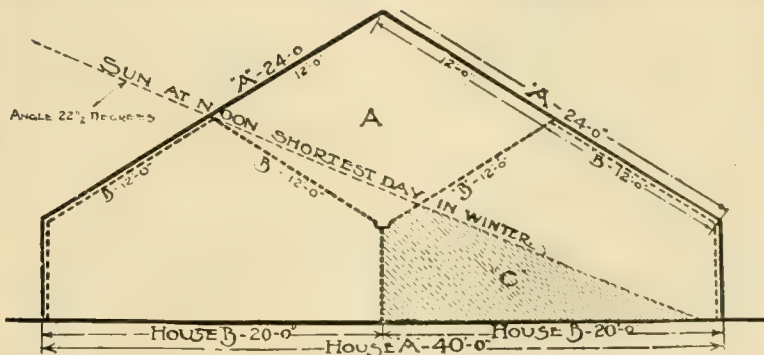
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This Shows Why Wide Houses Cast Less Shade

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when built with the "L & B" Improved Sectional Iron Frame construction are economical in every way. You get the lightest house possible, and one that has the endorsement of hundreds of growers. It has stood the test of years—not months. Investing your good money in a house is a serious matter, so give it the careful consideration it deserves. It will be greatly to your advantage to talk it over with us.

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30 Years

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The 100 lb.
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Send for our new catalogue.

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Detroit.

VALENTINE DAY BREAKS RECORD.

St. Valentine's day proved a record-breaker in the amount of business done and the generally satisfactory prices realized. This festive day is yearly becoming more of a factor to reckon with. The growing popularity of flowers as valentines has awakened the public and florists alike and the latter this year were better prepared than ever before for the extraordinary demand that the advertising and appropriate window displays developed. Some of the displays were most elaborate and included practical suggestions of gifts for the day and the response of the flower lovers was most generous. No florist could name the most popular of the many attractive plants and novel arrangements offered. Violets, of course, had a great call and sweet peas were exhausted early in the day. Heart-shaped boxes filled with attractive dainty effects met with great favor and many were sold, while bulbous stock, both cut and in pot plants, moved with a freedom similar to the Easter trade. Roses were very scarce, the supply being far short of the demand. Carnations for the first time this season were plentiful, but all the really good stock was used up and even the poorer grades found an outlet the next day at prices corresponding to the quality. The supply of cut bulbous stock is daily increasing and the quality improving, though much of it is not entitled to the original cost of the bulbs.

J. F. S.

COLLEGE POINT, L. I.—The firm of G. Golsner's Sons is suing the New York and Queens Gas Co. for loss of plants alleged to have been caused by leakage from a gas main. It is charged that the gas seeped through the earth, filling the greenhouse and causing the plants to die.



The head of lettuce grown under Single Light Sash has a spread of leaves 10½ in. wide.

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sash



Lettuce grown under our Double Lite Sash outspreads the Single Light heads by 3½ in.

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On the same day in February, lettuce was planted in two two sash frames, side by side one having Single Light Sash, the other Double Lite. The smaller head was grown under the Single Light, the other under Double Lite.

Special Price on Sash

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EVERY year along about this time we generally make a special offer on our Sash That Last in quantities of 25, 50 and 100.

Next week we will send out over 15,000 letters stating this year's offer on both our single and Double Lite Sash.

The offer holds good for exactly 30 days—which gives you up to March 24th—but not a day longer.

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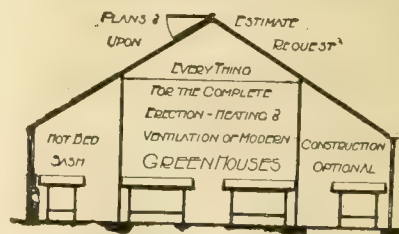
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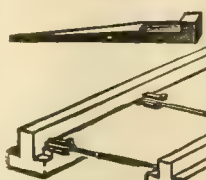
CLINTON, IA.—J. R. Bather will remove his flower store from Second street to Fifth avenue.



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Good for small or large glass, do not rust, easy to drive ¾ and 1½ inch Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00

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King Semi-Iron or Pipe Frame Greenhouses.

In addition to our well known line of King Iron Frame Greenhouses, we now offer a line of **SEMI-IRON OR PIPE FRAME GREENHOUSES** fully developed and perfected during the past four years.

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BUFFALO WHITE (Semi-Paste)
Most Perfect White Paint Made.

Be sure to get our estimates.

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Dreer's Peerless Glazing Points
For Greenhouses

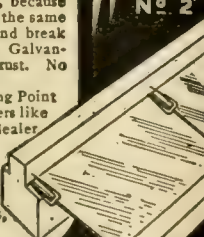
Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

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1000, 75c. postpaid.
Samples free.

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Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.
Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

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Let us figure with you on the necessary Ventilating Equipment for your greenhouses. We have a line that is being used in all the modern houses today. Why? Because these leading florists have given our goods severe tests and have found them to be entirely satisfactory under every condition.

We will send you our descriptive catalog immediately upon request, containing our net prices, etc., and all orders large or small, receive our most prompt attention.

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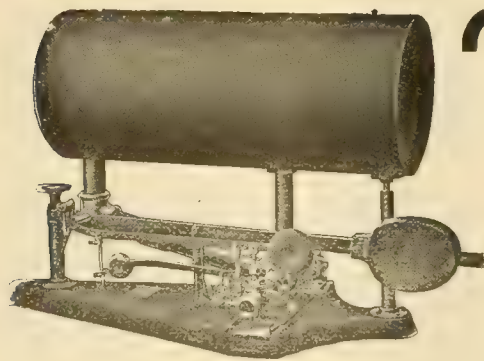
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—there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

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**This
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Only \$4.90.**

Height, 20 inches;
diameter of bowl, 22
inches; size of base,
14 inches; capacity of reservoir, 1½ gallons;
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Holyoke and Northampton

FLORISTS AND GARDENERS' CLUB.

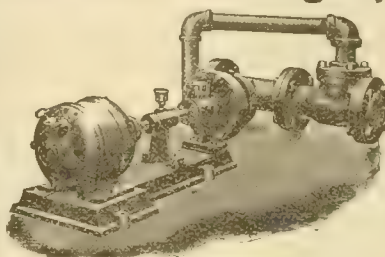
The monthly meeting of the Holyoke and Northampton Florists and Gardeners' Club was held Tuesday evening, February 11, at French hall, Amherst Agricultural College. The members had been specially invited to Amherst on this occasion so as to take the opportunity of meeting Wm. Duckham and C. H. Totty of Madison, N. J., who during the day had been lecturing to the students.

Mr. Totty is a man whose perseverance has carried him to a very high standing in the ranks of commercial florists, and pleased the members greatly by the interesting account he gave of his visit to the International Flower Show held in London last year. The speaker declared himself delighted not only with the well grown plants and flowers, but also spoke highly of the arranging of the exhibits and the color blending. Mr. Duckham is superintendent of the Willis D. James estate at Madison, which is one of the finest in the country.

It was decided to hold the banquet on the evening of Tuesday, March 11, at Mrs. Boydens. Frank Barnard and Tickey were appointed as a committee to arrange an entertainment program. The next meeting will be held at the greenhouse of Fields, the Florist, Northampton, Tuesday evening, March 11. Prof. Waugh of Amherst is down for an illustrated lecture.

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A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

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Iron Bench
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Split Carnations
Easily Mended with
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We find it very satisfactory.
J. L. DILLON.
Can't get along without them.
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2000 for \$1.00 postpaid.

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Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

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Sam plefree. For sale by dealers.

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Cape Flowers, all colors, Cycas
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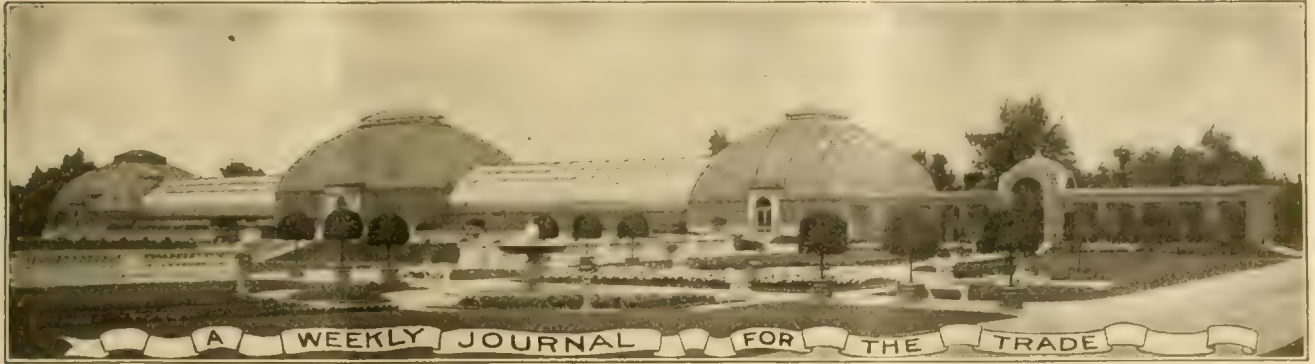
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FLORAL URN OF WHITE CARNATIONS, ROSES, LILY OF THE VALLEY AND CATTLEYS.

THE AMERICAN FLORIST



America is "the Frow of the Lessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XL

CHICAGO AND NEW YORK, MARCH 1, 1913.

No. 1291

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.
Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.
Subscription, United States and Mexico, \$1.00 a
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accepted only from the trade. Vol-
umes half yearly from August 3, 1901.

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Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary. 54 West
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CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at Chicago,
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Park, Ill., Secretary.

Spring Number

Next Week

Please Mail Advt's. Now

SUGGESTIONS FOR PLANT GROWERS.

Seeds for March Sowing.

The middle of March is the proper time for the sowing of the main crop of summer annuals. The seedsmen have seen that the growers have the catalogues, and the lists of the wants for the year should be made out at once, if not already done, and the seeds procured and sown. How often have we seen good growers spending valuable time during the busy days of May and June hunting for some small stock that could have been easily grown, but was neglected at the proper time. It is a good time now to look back at the sales of the last year or two and note what lines of stock were in short supply or were carelessly omitted. Such matters as this are the little things that count in a successful business, for the time taken in hunting up and procuring the cheaper kinds of stock during the busy season more than eats up all the profit received in handling it. The seeds that should be sown now are almost endless in variety, and they include asters, Phlox Drummondii, zinnias, marigolds, balsams, antirrhinums, begonias, calendula, celosias, cobæas, cosmos, gauras, mignonette, nicotianas, nasturtiums, petunias, salpiglossis, ricinus, salvias, scabiosa, stocks, thunbergias and others that may be demanded. With the exception of Cobæa scandens, mignonette and ricinus, which should be sown in pots, these can all be sown in flats and as soon as large enough transplanted to pots or spaced in flats, and good stock be had for summer bedding.

Iceland Poppies.

A beautiful cut flower for summer use not often grown is the Iceland poppy. While it is a perennial, yet it can be treated as an annual if the seed is sown early and the plants transplanted. Seeds sown in March will bloom the coming summer, and the varieties of color range through the yellow and orange to white. The petals have a peculiar satiny texture and are beautifully crumpled, and if the flowers are picked in the early morning they will stand in water for a long time and are very decorative. There are few annuals that will attract more attention than a

vase of these lovely poppies arranged with appropriate green, and besides they have a delicious fragrance. They are easily grown, and if the flowers are kept picked will continue to bloom all summer. Another poppy that can be grown for cut flowers is the Shirley poppy, but the flowers do not last as well as the Iceland poppies.

Camellias.

While it is a question if the camellia will ever become as popular as it was years ago, yet there seems to be a growing demand for the blooms of the "Japonica" as it was so familiarly known to the grandparents of the present generation, and the flowers are well adapted to certain classes of work or occasions. A few dwarf plants are now also seen in flower in some of the stores. They are easily grown, the prime requisite being a cool house, one with a night temperature of 45 degrees to 50 degrees, and the constant care throughout the year that all hard-wooded plants require. The large specimens which are grown for cut blooms may be planted in the ground of the house, first spading in a quantity of leaf-mold and rotted cow manure. The smaller plants are generally grown in pots, firmly planted in the same kind of soil, with plenty of drainage. They do not need repotting often and when done the shift should be to only one size larger, and this should be done just after the plant is through flowering, for it then starts to make its growth for another season. When the growth starts the plants should be given plenty of water and frequently syringed; in fact, careful watering is the one thing necessary in their culture. They should never become dry, and during the hot days of summer frequent syringings are required, which also greatly assists in keeping down mealy bug and scale, the only two insects to which the plant is subject. The cause of the buds dropping, which will sometimes occur, can invariably be traced to the plant becoming dry sometime during its growth. During the summer heavy shade over the plants will be required and an abundance of air should be provided at this time.

Geraniums.

At the approach of spring the geraniums and other bedding stock will make rapid growth and from those which are large enough a top cutting may be taken now. While these cuttings will not make good-sized plants for bedding out yet they can be grown on for stock plants for another year. It is time now to take account of the stock on hand and look over the amount that has been required in the past and if it is found that there will be a probable shortage of any varieties procure them at once. They can be obtained at this time, either small plants or rooted cuttings, at low prices. Many growers lose every year by putting off their buying too late when the prices have advanced to such a figure that there is no profit in handling them. It is seldom that one who has much bedding to do has geraniums enough especially of S. A. Nutt or Alphonse Ricard, and this is the time to procure the stock, and if a grower has any room to spare it is good business to stock up with these varieties, for there is a guaranteed sale for all well grown plants in May. The plants that are now in 3-in. pots will require going over often and spacing out, that well grown stocky plants may be had. If crowded now, tall, weak, spindly plants are too often the result, and when grown in this way are not fit to make a good showing in the bed when planted.

Greenheart.

A wood which, according to the Department of Agriculture, outlasts iron and steel when placed in water is British Guiana greenheart. It is used in ship and dock building, trestles, bridges, shipping platforms, flooring, and for all purposes involving great wear and tear. The woods of two species of West African trees have been introduced into English markets as substitutes for greenheart under the name of African greenheart, but both are inferior to the South American tree.

All the gates, piers and jetties of the Liverpool docks and practically all the lock gates of the Bridgewater canal in England are of greenheart. The use of greenheart has been specified for sills and fenders in the lock gates of the Panama canal. Nansen's ship, the "Fram," and the Antarctic ship "Discovery," were built of greenheart.

Though it grows in parts of British, French, and Dutch Guiana, Venezuela, Brazil, Colombia, Peru, Trinidad, Jamaica, and Santo Domingo, it is being cut only in British Guiana, where it is found along the sea coast and water courses, seldom extending more than 50 miles inland. Greenheart used to bring \$1.00 per cubic foot at the point of shipment, but the present price is considerably less. Constant drain for more than 100 years upon the most accessible stands of greenheart in British Guiana has stripped the forest of its best material, and the wood now obtained is of inferior quality. Tracts are now being cut over in some places for the third time. Only the heartwood of the tree possesses the peculiar durability desired, and the best wood is found in old trees.

ALLIANCE, NEB.—This town's first greenhouse has been built by E. W. Ray. It contains 1,200 feet of glass and is thoroughly modern in heating and general equipment.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

St. Patrick's Day Window.

Make two good sized circles of shamrocks and suspend in the center of the window with green ribbons. From these circles suspend at uneven lengths tiny green baskets filled with shamrocks. At different intervals suspend a shower of shamrocks, and if more effective tie a little bunch of shamrocks to the ribbons holding the tiny baskets. In the center of the window on a mound of moss place an immense green rose made of a heavy green silk to which shamrocks have been fastened. In the center place a tin or vase and fill with lily of the valley. An ordinary glass flower bowl can be utilized, arranging the green shamrock rose leaves around it. Each petal of the green rose should be well shaped with the slope decidedly marked in the center of each leaf. On the



A Marketable Geranium.

green moss mound interspersed here and there arrange little groups of shamrocks.

Shamrock vases filled with shamrocks can be advantageously placed in the foreground. At one side a few of those tall spiral vases just large enough to hold one rose will look attractive with a spray of white lilac; a fine specimen spray of the large mignonette will be pretty and perhaps a white rose or two of perfect growth. These tall spiral vases will give a tone of daintiness to the general effect. Use tall palms for the background of this setting and smaller ferns in the front part of the window where a finish is needed. If a selling feature of loose flowers is desired a few green boxes can be filled with spring flowers and placed to advantage. Also the small green fancy baskets can be scattered here and there, some tied with ribbons with no flowers in them, simply showing a variety of different designs suitable and symbolical of St. Patrick's day.

A. E. K.

Parcel Post and the Florist.

With parcel post in full operation florists are divided in their opinions of its value to their particular industry. The general sentiment among the retailers is one of more or less distrust. They are afraid that delivery will be too slow for their needs. With the old law in force the florist could mail his goods second class, affix a special delivery stamp and have them receive almost the same treatment as first-class matter. Under this provision it was customary for New York dealers to send many packages by mail to middle western points. With parcel post in effect, flowers receive just the same treatment as any other fourth-class matter and they cannot be hurried. As a result, the express companies are getting more business than they did formerly.

Many florists, however, are desirous of seeing what sort of treatment they will get at the hands of parcel post and to find out a number of them are going to send trial shipments. The results will show what confidence may be placed in the new system. One point which has been disposed of by wholesalers and by the retailers who are shipping by parcel post, is that it is almost imperative that a shipping tag and not a paper label be used on the package.

If the address label is used on the parcel post bundle there is danger of the latter becoming damaged when the clerk strikes the label with the cancellation stamp. This fact is particularly important to florists because the package must arrive in good order. A man does not want a handsome box, which enters largely into his cost, to be so broken in transit that it is in no condition to be brought into the home upon its arrival. To make the proper impression, the box and its wrapping must be as neat as possible.

When a tag is used, on the other hand, there is no need of the clerk striking the package with the stamp. The postage stamps are placed on the tag. The clerk simply lays the tag on the block and strikes it with the cancellation stamp. This method is also thought to be favored by the postal authorities because it enables the clerk to do his work quicker and with less liability of damage.

Another point not to be overlooked is that the tag offers a splendid chance to the man who wants to do some effective advertising. The stamps and the address go on the face of the tag. On the reverse may be placed an attractively worded advertisement calling attention to particular facilities for out-of-town shipping. For years progressive business men, and especially florists, have realized that a distinctive tag has a definite advertising value, and with the advent of parcel post this value is greatly increased. The results of the experiments of florists with parcel post will be awaited with interest by the trade.

JOLIET, ILL.—Albert C. Rott will move his flower store from 110 North Chicago street to the Young building.

CINCINNATI, O.—According to a local paper, the Hill-Heller flower firm of this city and Indianapolis, Ind., will dissolve partnerships March 1. Myer Heller, New Castle, Ind., will retire and the business will be taken over by E. G. Hill, Richmond, Ind., the other partner.

CHRYSANTHEMUMS

Propagation.

Assuming that the benches have been properly renovated and filled with sand, they should be given a thorough watering and tamped firmly—in fact the firmer the better—and then to be certain that all parts are moist give another good watering, when they will be ready to receive the cuttings. Stock plants that have had proper attention as to watering and airing will be producing strong cuttings from February onward. Some varieties make more robust cuttings than others and while strong ones are considered best, these differences between the many kinds should not be seriously considered, as they are constitutional and we must accept and conform to the variations as we find them.

Cuttings taken from the stock plants usually vary from 1½ to 3 inches in length, according to the kinds and their vigor. After removing the lower leaves and shortening the tips of the larger ones they are ready to insert in the sand. With a case knife make a cut in the sand about an inch deep, into which stand the cuttings about an inch to one and a half inches apart. When this cut is filled, firm to sand around the base of the cutting with the thumb and fingers. The next row is made from 1½ to 3 inches from the first, into which the cutting is inserted in a like manner.

The first watering should be given without great delay. The first few days are the most critical and they should be given copious waterings to settle the sand firmly around the base of the cutting, so they can take up moisture by capillary attraction through the cells and channels exposed when the cutting is severed from the plant. This process of taking up the moisture contained in the sand is the only means by which they are sustained until the roots appear and it also prevents their wilting.

Wilting on warm bright days is due to the inability of the cutting through the pores on the end to supply sufficient moisture to counteract the evaporation of this moisture through the pores of the leaves. This process of evaporation is constant and the higher the temperature the greater the demand to supply the tissue of the leaves and keep them fresh and crisp. From this it will be seen that a greater supply of water is necessary to keep the cuttings firm in warm than in cool weather and while the power of the unrooted cutting is limited and can not give adequate supply, the frequent application of water is beneficial as it sustains the leaves for the time being and prevents the flagging until the heat again reaches a point sufficient to exhaust the evaporating power of the cutting, when they must again become limp. Occasional dewing over is an excellent practice when the weather is bright and the air dry and buoyant.

In cool, damp weather watering should be discontinued until there is urgent need of it. The most unfavorable weather is when the temperature is above seventy and the air is humid. Under such conditions the cuttings wilt and if water is added they do not

dry off quickly and consequently there is danger of their rotting. Damping the walks and side walls is about all that can be done, thus lowering the temperature as much as possible. At no time should they become very dry, as such a state will soon harden the end of the cutting so that it can not take up the moisture.

Abundance of good fresh air is essential to good healthy cuttings. In fact, the ventilation should never be closed unless severe weather necessitates. Strong drafts are to be guarded against, as they dry out the cuttings too quickly. For this reason we prefer ventilation at the top rather than from the side. Cuttings usually root in one to three weeks, although

a close case and hardened to a normal condition, otherwise the most of them are likely to be lost.

ELMER D. SMITH.

Treating Rooted Cuttings.

As stated in a previous article, some kinds of chrysanthemums make roots more quickly than others, so no fixed time can be given to indicate when they should be removed from the sand. With a gentle bottom heat of sixty to sixty-five degrees, Golden Glow will be well rooted in ten days, while Chrysanthemiste Montigny may require six weeks or more to be in the same condition. Mrs. Drabble and some others are even more reluctant,



MAGNOLIA WREATH BY G. M. GERAGHTY, MGR. DUNLOP'S, TORONTO.

Design for Funeral of Mrs. Nordheimer on Order of the Imperial Daughters of the Empire.

some kinds are very slow, requiring several months, and are often unpopular on this account. The temperature of the propagating house should be about 55 degrees over head and the sand warmed by the pipes underneath about 10 degrees higher. They are so susceptible of being rooted that no fast rule can be given. They will root slowly in 40 degrees or quickly in 80, but the latter has a tendency to weaken them. Cuttings from this temperature should be placed in

sometimes requiring eight to twelve weeks to show roots. These conditions are modified somewhat by the condition of the cuttings when taken. If soft and in an active growing state they require less time than if half ripened when inserted.

The temperature of the sand also has an influence upon the time required. As soon as roots appear the cuttings show signs of new growth and if such a condition is not a sufficient indication a few may be lifted to de-

termine how far the roots have advanced. When half an inch long they should be removed from the sand, potting or shipping to the customer as the demands may require. If permitted to remain in the sand for a longer period, they gradually harden, owing to the lack of nourishment supplied by the sand. They also become thinner, losing their vitality because of the continuous heat applied from the bottom.

Two and a quarter inch pots are large enough for the first potting and when this operation is completed they should have a thorough watering. See that all parts of the soil are moist, for if dried out at this time they seldom recover and make as good plants as those given prompt attention in this respect. If rooted cuttings for distribution is the object they should be removed at this stage and wrapped in damp moss. As far as possible do not allow the moss or wrapper to extend far above the roots. Such a course tends to keep the foliage wet and should any of them have the least trace of cutting bench fungus the whole bundle are likely to perish before reaching their destination. Such precautions should also be applied to prevent the cuttings from heating, especially later in the season, at which time all soft growth soon rots when air is excluded whether due to faulty wrapping or by inclosing in air tight boxes. The object is to keep the roots damp so the cuttings will not shrivel and the tops dry and cool to prevent decay. If these conditions are properly considered the packer will be troubled with few complaints.

ELMER D. SMITH.

Illinois Experiment Greenhouses.

The florists of Illinois, who meet in annual convention at Peoria March 4-5, will be interested to know of the greenhouse construction work being done at the University of Illinois at Champaign. The buildings are the work of the Foley Manufacturing Co., Chicago, and the still uncompleted range shows the state university to be a leader in this department. In one illustration is shown the agronomy greenhouse. The main building here is 42x120 feet long, a full flat iron rafter greenhouse without interior supports. It was built on a brick foundation which originally supported two old greenhouses and is an excellent piece of work.

The plant breeding house is especially adapted to the work for which it is intended. It has large double doors at both ends, it being the inten-

tion of the college to lay rails on the ground to operate cars to carry large tubs or plant boxes with big plants. To the south of the plant breeding house is being erected a large wire house to keep birds away from the experimental work being conducted out of doors. The wire house will be practically the same as the end sections of the greenhouses.

In the third illustration is shown the house at the extreme east end of the range and next to it the two vegetable houses. The smokestack in the distance shows the temporary heating plant. The heating for the entire range when completed will come from a single plant already in-



Prof. H. B. Dorner.

Chief of Floriculture at the Illinois State Univ.

stalled from a quarter to half a mile away. The photograph was taken during the process of construction. There is now a large palm house, 80x40 feet, with curved glass roof, on the foundation shown in this picture.

PASADENA, CALIF.—The spring show of the Pasadena Horticultural Society will be held April 10-12. The following officers will be in charge: James McGillivray, president; Wm. Hutchinson, vice-president; George L. Kennedy, Victor L. Clemence, Geo. F. Nilsson, Jr., J. B. Feldman, Richard Thomas, Robert Pegg, John Cortes and Jacob Albrecht.

The Commission Man and Publicity.

February 15.

To the Committee on Publicity,
New York Florists' Club.

Gentlemen:—

Within the past three months I have been in receipt of communications advocating a publicity campaign and soliciting contributions thereto. As I understand it, the project is to encourage the public to buy and use flowers more freely. I believe the plan is worthy and merits serious consideration. I am satisfied that quite a sum of money has already been expended for printed matter—Hallowe'en and Thanksgiving placards, etc.

The gentlemen who have responded and contributed to this movement so promptly are to be commended for their action in endeavoring to further the interests of the trade, but unless other ways and means are devised or discovered it seems like a waste of both energy and money. I am directing this communication and criticism to the gentlemen who are furthering this movement and I would strenuously advocate getting at the root of the evil, and perhaps dispensing with irregular and fabulous prices, which the retail florist is always directly held responsible for, and which oftentimes causes loss of business. If a campaign inaugurated to encourage the public to buy and use flowers more frequently is to be successful, I would consider it a very important feature first to undertake to discourage the growers being inconsistent regarding their demands on their commission men.

At present the grower flits from one commission man to another whenever he believes he can realize the highest prices. Oftentimes he is "stung" for pursuing such methods, being misled and influenced by false quotations, and consequently there is bred a lack of confidence in the commission merchant. If the growers would single out the reliable dealers who are acting on the level, and give them a fair and square deal, conditions might be somewhat improved. My theory is to try to eradicate irregular fluctuations of prices. An instance of this kind happened to me recently, and I think mention of it here is apropos, although there is no necessity for mentioning the commission man's name.

Previous to Thursday, January 30, I was buying sweet peas from Mr. Commission Man at \$1.50 a dozen. As usual, I left my order for the following day (Friday) and without notice I was charged \$1.75 a dozen. Not-



GENERAL VIEW OF UNCOMPLETED RANGE AT ILLINOIS EXPERIMENT STATION.

withstanding the advance in price, I again left an order for the following day (Saturday) and again without notice the price was advanced to \$2 a dozen.

Now, gentlemen of the publicity committee, you who are so interested in this movement to encourage the public to buy and use flowers more freely, suppose you seriously consider such instances as I have just related. It gives food for thought. Why not

opera season there was no demand for violets.

You will appreciate that such instances tend to discourage the sale of any product, and I also believe ways and means can be devised to govern and control prices. For instance, if the important growers would put limitations on the asking-prices of their products it might help. No doubt there is competition among the commission men, and too often false values

constant fluctuations and irregular demands keep the retailers guessing.

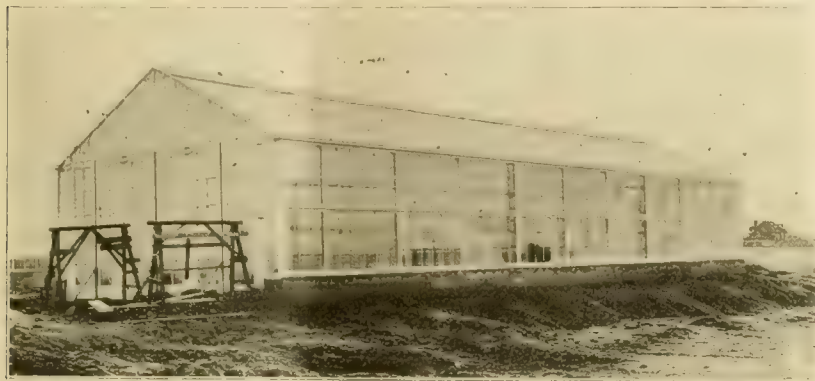
Perhaps if others, like myself, would offer their criticisms encouraging the public to buy and use flowers more frequently, it might tend to discourage the usage now in vogue of wearing artificial flowers for corsage purposes and many times for table decorations. The campaign of publicity is no doubt meant to work for the interests of the trade generally, and it certainly is an undertaking which demands serious consideration and deliberation before launching. Why not solicit the views of our brother retailers, big ones as well as small ones?

J. P. KLAUSNER.

Publicity at Philadelphia.

The meeting in the interest of the publicity movement called by the Retail Florists' Association and held in the Florists' club rooms Thursday evening, February 20, was very well attended as a starter, and if the same interest is shown six months from this time the results will be most gratifying to all concerned. The various branches of the trade were well represented, about seventy-five being present, among them several ladies. The meeting resolved itself into a general discussion of publicity. President Gracey called the assemblage to order and read a short paper outlining the object of the meeting. He thought that much was to be gained by co-operation and hoped the question would be discussed fully, one way or the other, so that it could be viewed from all sides.

Hugh Odonnell, manager of the Philadelphia Press, gave a very interesting talk on publicity. Newspapers were in business to make money and in doing so they catered to the people. In fact, the people edited the paper, he said. The papers were always trying to find out what the people wanted and then they gave it to them. Newspapers are more sentimental than instructive. They give the news, paying well for much that is thrown away which could not be used for want of space. Referring to the publicity movement, Mr. Odonnell likened the florists to the tailors, both trades being too exclusive, too dignified to advertise. The tailors in this way had allowed the clothing manufacturers to run away with their trade. The average-sized man can go



PLANT BREEDING GREENHOUSE AT ILLINOIS EXPERIMENT STATION.

try to control such unwarranted irregularity in price? No doubt you know that there are many such instances, of which I could cite quite a number. I name the sweet pea occurrence merely as an example.

Surely I could not raise the price to my patrons as rapidly as I was being advanced. The consequence is, I go shy on sweet peas and do not advocate the sale of them. I cannot account for the continual increase in price, unless that on previous days this commission merchant had sold out his consignment at the \$1.50 price and began to feel that he could safely raise the price. And then, finding that he had sold out his consignment of sweet peas at \$1.75 a dozen, he decided he was still not demanding enough and concluded to ask \$2 a dozen on Saturday. The advances were made on three consecutive days.

However, on the following Monday, Mr. Commission Man, having perhaps found himself deserted by his usual sweet pea buyers, rang me up on the phone and inquired if I wanted any sweet peas, whereupon I informed him that I could not rely on his prices since I did not know where he would stop, and that I had concluded to handle less of them if they were to continually increase in price. He then informed me that I could buy them at the usual price, \$1.50 a dozen, which price I was paying only four days previous.

Another instance is, I have never seen in the past fifteen years that the price of violets has been so low with no call for them. This, I believe, is the result of former high prices, and also is due to the fact that the Princeton and New Haven football games on Saturdays would advance the price 100 to 200 per cent from the price as it was two days previous. Thus the public generally has been discouraged from buying them. Even during horse show week and the opening of the

are quoted on stock in order to win growers and shippers away from some other commission dealer.

Now, gentlemen, I particularly desire not to be misunderstood or quoted as being opposed to any wholesale commission florist or grower. As previously stated, I offer this communication only as food for thought to the committee on publicity who have so kindly volunteered and interested themselves in this movement. As for the wholesale commission florists, I will state that they are essential to our business. Many of them are considerate and accommodating and willing to render all the assistance they may be called upon to render.

Try first to encourage the grower before you take the public in hand, and with Mr. Commission Man and Mr. Retailer in co-operation, the public will be given a fair and square deal, and business for all hands will increase. Nowadays competition is keen and fabulous prices are things of the past. Only legitimate profits are sought. But



AGRONOMY GREENHOUSE AT ILLINOIS EXPERIMENT STATION.



A SOCIAL NIGHT AT THE TORONTO GARDENERS AND FLORISTS' CLUB.

into any large clothing store and find a suit ready to wear that will be almost a perfect fit, and at a price considerably lower than that of the merchant tailor. This was largely brought about by advertising. It was the same with shoes. Standard makes are extensively advertised, and shoes to order are now almost a thing of the past. Mr. Oddonnel thought florists catered too much to the select trade. They ought to get in touch with the middle classes and encourage the use of flowers with this part of the population, which was by far the largest. It is the people of modest means that kept the wheels of trade moving, he said, and the florists should get their share of this trade. As to getting matter in the papers without cost, he would suggest that the services of some good woman writer, who was in love with the subject of flowers should be secured, and short pithy articles from her pen would, he thought, find entrance as reading matter to the columns of the daily papers on the woman's page. Care must be taken, however, that commercialism does not show in or between the lines. There were many instances of concerted movements by allied interests in advertising. The tailors in Chicago, becoming alarmed at the great growth of the ready-made clothes business in the department stores, got together and by cleverly-worded advertisements showing the advantage of their perfectly fitting garments, as compared with those of the ready-made establishments, brought about such a change in sentiment that the large stores, on the strength of their greater advertising patronage, wanted the papers to

refuse the tailors their columns. While advertising is very expensive it is profitable, as there is no business of any importance in this country that has not been built up by printer's ink. Mr. Oddonnel felt sure that a publicity campaign through the columns of the press and magazines, if intelligently carried out, would result in making flowers more popular, increasing their sale and leading to a more general use among all classes.

A number of well-known members of the trade gave their views. Edward Reid thought that advertising should commence in the displays of the retail florist which he contended were frequently very meager. He advocated the carrying of more stock and selling at lower prices when lower prices were made to him. S. S. Pennock also thought that many retail florists did not take advantage of their opportunity to purchase flowers at low prices in quantity lots and force their sale. This plan had worked very well by men who had tried it. He believed in advertising and would do what he could to help any concerted movement along. Leo Niessen spoke of the great help Mother's day had been to the trade; how sales were largely increased and prices advanced 250 per cent. He also thought that florists should carry better stocks. They should come oftener to the markets to see the new and good things as they made their appearance. Stock up with them and increased business would surely result.

Adolph Farenwald advocated the display of flowers. To show them was the way to make sales. The successful florists carried large stocks. The Greeks were the real up-to-date men.

They bought in large quantities and moved their stock quickly at small profits. Charles Grakelow was full of the get-together movement. Much could be done to improve the business by all branches, and if all would come together and work in harmony great good would result. Charles Fox said that a great deal had been said, but not much done, and he asked those present to step up and show their interest in the work by signing their names with the amount they were willing to give to start the work. Subscriptions amounting to nearly \$500 were thus voluntarily obtained, which is certainly a good start and a foundation to build on. With this to work on the committee will try to perfect an advertising campaign that will meet with the approval of the subscribers, who will then be asked to forward the sinews of war and the work will be started at once.

ROBERT KIFT.

Constructing Park or Estate.

How and where to construct a public park or private estate was entertainingly described by Arthur A. Shurtleff, engineer of the Boston Park Department, at Horticultural Hall, February 15, 1913. Mr. Shurtleff said:

"When selecting territory for a public park or a private estate, consider the following: The site should be accessible by road and rail not only to those who are to frequent the land for pleasure purposes, but also to those who are to furnish labor and supplies. Breezy northern slopes are suitable for grounds which are to be used only in summer, but for winter enjoyment southern slopes and protection from

the wind are essential. These slopes must not be so steep or so wanting in contour as to prevent the construction of roads of moderate gradient between points of strategic importance. Test these gradients with an instrument before you purchase. Scan the ground for rock. If ledge occurs where you intend to build roads or excavate cellars, serious items of expense will be involved. Outcrops of ledge which furnish building stone or which add picturesqueness to your landscapes are to be prized.

"Boundary lines should be regular and should embrace all the land needed for the control of the immediate landscapes. Dig many and deep test pits to determine the nature of the soil. Sandy gravel on the upland is very precious because it means cheap roads, cheap concrete, dry cellars and ready sewage disposal, though on the other hand the grass and trees may suffer from lack of water in such ground. A heavy clay soil may be endured here and there for its economic uses and for the good grass it produces. The top soil or loam should be deep and underlain with a liberal supply of yellow loam. This combination, with an adequate rainfall, is the mainstay of all vegetation. A liberal water supply must be obtainable within easy pumping distance of your building sites and nurseries.

"Select your land also with consideration of the appearance as well as the condition of its woodlands, meadows, brooks, ponds and fields. These natural features are the materials of scenery and they must compose or must be capable of composition into landscapes pleasing to the eye. If the land of your choice fulfills all severely practical requirements, and at the same time possesses fine landscapes, your search has been well rewarded."

Toronto.

BUSINESS VERY GOOD.

The market at the present time is better supplied than at any time since last season. In the last two months business has been better than on any previous year, and although many growers complain of the scarcity of stock and bad weather the prices have held up so well that the returns are considerably higher than in other years. American Beauty roses have been decidedly off crop since the holidays and it will take some time before the cut will amount to anything. Of the other roses, Killarneys and Richmonds have been of very good quality but short of the demand. Maids and Brides are again seen in prominent numbers. Carnations have been the standby for some time, with a fairly large cut, good quality and heavy demand. The prices realized have been the best for years. Violets, valley and orchids have all had great runs and at no time have they been over plentiful. The heavy supply of bulbous stock at present is noticeable in the cut rate stores, but it is expected that about another week will run off this surplus.

CLUB MEETING.

The Gardeners and Florists' Club held a social meeting Tuesday, February 18. About 250 turned out and were given a very enjoyable evening. A well arranged programme provided amusement and our esteemed treasurer, Geo. Mills, looked after the refreshments. There were some very fine flowers on exhibition. Enchantress Supreme, from Dailedouze Bros., Brooklyn, N. Y., and Commodore, from the E. G. Hill Co., Richmond, Ind.

Both arrived in splendid condition and were well thought of. R. Jennings, of Brampton, showed a new seedling called Rosette, which for a dark pink looks better than the best. It is a good strong grower and of good lasting habits. Mr. Jennings also showed a table of carnations of good varieties. The Dale Estate showed carnations and two fine vases of Brides and Maids, also some very fine violets. Miller & Son showed carnations; Thomas Manton, W. Jay and Fred Adams, miscellaneous stock. Visitors were: — Cassels, representing Lord & Burnham, New York; Wm. Dykes, representing Ed. Jansen, New York; J. Dilloff, with Schloss Bros., New York; Wm. Kasting, Buffalo, N. Y.

NOTES.

Grobba & Wandrey have dissolved partnership, Carl Grobba having taken over the interests of the firm. A new block of houses are under way, an electric dynamo has been installed for the blacksmith shop and general improvements for an increased business are under way. The houses are well filled with bulbous stock and decorative plants.

McIntyre & Trimbee have some nicely shaped prunus. Their eight houses are mostly devoted to asparagus and ferns, the demand for which is always steady.

E. Wandrey, late of Grobba & Wandrey, has left for a trip to southern California and Florida to look over possibilities of growing plants, etc.

The Georgetown Floral Co. has a fine crop of Killarneys, both Pink and White, the flowers and stems being first-class. H. G. D.

Montreal Notes.

The Montreal Gardeners and Florists' Club at its last meeting elected three new members. The dinner account of the twenty-fifth anniversary was finally disposed of. W. Cotter, manager of the Montreal Floral Exchange, offered the use of their new hall to the club for the purpose of holding their meetings after May 1. It was gratefully accepted. Travis then read his paper on poinsettias, which provoked an interesting discussion. The waning interest of some of the oldest members was revived by the presence of W. J. Wilshire. More of the pioneers would be gladly welcomed.

E. J. Hayward is seriously considering specializing in mushrooms. He has been very successful with them, and as a money maker he says they put plants or flowers away down the list.

Curling is the talk of the day. Many local florists are leading members of opposing clubs.

G. A. Robinson has been elected alderman for the third term by acclamation.

James McKenna contemplates a visit to Europe in the near future.

Hall & Robinson are installing new electric lights in their store.

John Walsh is delighted with his new greenhouse. L.

FORT DODGE, IA.—P. L. Larson has sold the four lots on which stand his greenhouses for \$10,500. The plant is under lease to R. P. Atwell until July 1, when it will be moved and Mr. Larson will resume the business in another location.

SYRACUSE, N. Y.—The Syracuse Florists' Club has been organized and the following officers elected: Matthew T. Keenan, president; W. E. Day, vice-president; David J. Murphy, treasurer; Thomas J. Godvin, secretary. The executive committee is composed of Hugh T. McCarthy, chairman; Warner F. Bultmann, Thomas J. Christian, Wm. C. Mohr.

OBITUARY.

Edward Bourque.

Edward Bourque, an expert designer and decorator of New York city, died at his home in Yonkers, N. Y., on February 20 of a complication of lung disease and heart trouble after an illness of one week. He was 47 years old. He was a native of New York city and on leaving school entered the employ of Charles A. Dards, the well known Madison avenue retailer, where he remained continually, a period of thirty years, until stricken by his last illness. Mr. Bourque had been twice married. His first wife died a number of years ago. About five years ago he married again and is survived by his widow and three children, two now grown to adult age, being children of his first wife. No finer tribute can be paid to his memory than the following from his employer, Charles A. Dards:

"Edward Bourque's loss is the greatest grief to me as he has been with me for such a number of years, coming to me first as a boy fresh from school to run errands. I had watched his growth into manhood on until his lamentable ending so early in life. Mr. Bourque was a man who endeared his friends to him by his genial manner and his constant thought and consideration for the feelings of those with whom he came in contact. He was ever watchful and anxious to further the interests and wants of my customers, always keeping in view the necessities of business. Through the whole of his business career with me, about thirty years, Mr. Bourque was never late one hour, or away from business, except on account of illness in his family. He was a friend to all he met and everybody was his friend. Everyone who knew him in any way will mourn his loss, especially his immediate associates in the business who loved him to a man."

The funeral took place from the Catholic Church, Yonkers, N. Y., on the morning of February 22, Mr. Dards and his entire staff attending. The store was closed for the day.

A. F. F.

Abraham Moltz.

Abraham Moltz, for the past twenty-five years a florist of New York city, died suddenly February 20. In the wholesale district, where he was best known, "Abe" Moltz has been a familiar figure for many years. His business career was beset by many hardships. He was of Jewish descent and his funeral was held on February 21 at a Jewish synagogue. He is survived by a widow.

A. F. F.

Chas. Siebrecht.

Chas. Siebrecht, a well known florist of Winona, Minn., ended his life by hanging, February 14. He complained of illness at the noon meal and shortly after disappeared. When he failed to appear for supper a search was made and he was found hanging to a rafter in a barn at the rear of his home.

Charles Williams.

Charles Williams, formerly a florist at Bay City, Mich., died at the home of his daughter, Mrs. N. G. McPhee, Grand Rapids, Mich., recently, aged 81 years. Mr. Williams was a native of England, but had lived in the United States for the last 30 years. Two daughters survive.

ELKHART, IND.—W. H. Troger has sold his greenhouse to Samuel S. Jones and N. Aldus Harold of Knightstown for \$12,500.

Third International Flower Show.

New Grand Central Palace, New York, April 5-12.

FINAL SCHEDULE OF PRIZES.

We received February 1 the final schedule of prizes of the third International Flower Show of the Society of American Florists and contributing societies, to be held in the new Grand Central Palace, Forty-sixth street and Lexington avenue, New York, April 5-12, 1913. This exhibition is expected to surpass anything of the kind ever held here or abroad and probably will be the biggest event in the trade to take place for a long time to come.

In the prizes offered and in fact in every respect, the show will prove a big attraction both in America and in foreign countries. The grand total of the money prizes amounts to the enormous sum of \$14,509.50 and the number of cups and medals are as follows: Silver cups, 32; gold medals, 27; silver medals, 43; bronze medals, 33; silver gilt medals, 2; certificates of merit, 3; and two gold medals or purse of \$50 each; two silver medals or purse of \$25 each; silverware valued at \$75.

Honorary vice-presidents and special contributors are Geo. F. Baker, Tuxedo Park, N. Y.; W. T. Carrington, Portchester, N. Y.; Louis Burk, Philadelphia, Pa.; Robert D. Foote, Morristown, N. J.; Mrs. D. Willis James, Madison, N. J.; Mrs. Seth Low, New York; Adolph Lewisohn, Ardsley, N. Y.; John I. Pratt, Glen Cove, N. Y.; Lenox S. Rose, Madison, N. J.; Samuel Thorn, Milbrook, N. Y.; Mrs. F. F. Thompson, New York; W. B. Thompson, Yonkers, N. Y.; Samuel Untermeyer, Yonkers, N. Y.

The contributing and co-operating societies are: American Carnation Society; American Gladiolus Society; American Rose Society; American Sweet Pea Society; American Institute of the City of New York; Chrysanthemum Society of America; Dutchess County Horticultural Society; Elberon Horticultural Society; Horticultural Society of Chicago; Horticultural Club of Boston; Horticultural Society of New York; International Exposition Co.; Lenox Horticultural Society; Morris County Gardeners and Florists' Society; Massachusetts Horticultural Society; Nassau County Horticultural Society; National Association of Gardeners; New Jersey Floricultural Society; Newport Horticultural Society; New York and New Jersey Association of Plant Growers; New York Florists' Club; North Westchester Horticultural Society; Paterson Floricultural Society; The Perpetual Flowering Carnation Society of England; Southampton Horticultural Society; Tarrytown Horticultural Society; Westchester and Fairfield Horticultural Society.

The following donations and special prizes are offered by commercial firms: Arthur T. Boddington, New York, \$125; W. Atlee Burpee & Co., Philadelphia, Pa., silver cup; C. W. Brownell Moss & Peat Co., Walden, N. Y., \$60; Burnett Bros., New York, silver cup; Harry Balsley, Detroit, Mich., \$25; Bobbink & Atkins, Rutherford, N. J., three silver cups; John Lewis Childs, Floral Park, N. Y., \$43; Henry A. Dreer, Inc., Philadelphia, Pa., \$230; M. C. Ebel, Madison, N. J., \$75; Fottler-Fiske-Rawson Co., Boston, Mass., bulbs; Gardeners' Chronicle of Amer-

ica, New York, silver cup; Garden Magazine, Garden City, N. Y., silver cup; Henry & Lee, New York, \$20; E. G. Hill Co., Richmond, Ind., \$50; Peter Henderson & Co., New York, \$50; Henshaw & Fenrich, New York, silver cup; Knight & Struck, New York, \$75; Lord & Burnham Co., New York, gold medal or \$20; Lager & Hurrell, Summit, N. J., \$60; H. F. Michell Co., Philadelphia, Pa., challenge cup, lily cup, gold medal, silver medal; Leo Niessen Co., Philadelphia, Pa., silver cup; W. E. Marshall & Co., New York, \$25; Pennock-Meehan Co., Philadelphia, two silver cups; Pittsburgh Cut Flower Co., Pittsburgh, Pa., silver cup; Julius Roehrs Co., Rutherford, N. J., \$425; Revero Rubber Co., Chelsea, Mass., 50 feet greenhouse hose; Geo. T. Schuneman, Baldwin, N. Y., \$25; Chas. H. Totty, Madison, N. J., \$50; Albert F. Vick, Rochester, N. Y., silver cup; H. den Ouden & Co., Boskoop, Holland, \$50; John Waterer & Sons, Bagshot, England, \$100; Chas. B. Weathered, New York, silver cup; Yokohama Nursery Co., New York, \$20.

The rules of the show stipulate that all entries be in the secretary's hands not later than March 30 and a charge of \$2 will be assessed for every entry made after that date, while the management reserves the right to reject any and all such entries. Exhibits must be ready for examination by the jurors at 3 o'clock on the afternoon of the opening day, April 5, except in such classes as are scheduled for later days, in which case they must be ready for examination at 10 o'clock on the day specified. Entries other than for the Rose, Carnation, Sweet Pea and Gladiolus Societies should be sent to John Young, secretary S. A. F., New Grand Central Palace, New York. Entries for these societies must be made in accordance with each society's rules.

The scale of points by which the plants will be exhibited is as follows:

Single specimen foliage plants—size, 25; cultural perfection, 35; distinctiveness, 15; rarity, 15; form, 10.

Single specimen flowering plants—size, 20; cultural perfection, 35; rarity, 10; floriferousness, 15; color, 10; foliage, 10.

Group of foliage plants—size, 10; distinctiveness, 20; cultural perfection, 20; rarity, 10; arrangement or staging, 30; color effect, 10.

Group of flowering plants—size of group, 10; rarity, 10; cultural perfection, 15; arrangement, 35; quality of flowers, 20; foliage, 10.

The International Flower Show exhibits are divided for convenience into sections, from A to K inclusive, all to be staged April 5; two more sections, P and Q, will be staged April 11 and April 5, respectively. Classes are open to all except where otherwise noted.

International Flower Show Prizes.

SECTION A—FLOWERING PLANTS.

Section A is composed of flowering plants and the total of prizes offered in this class is \$2,138, five silver cups and six gold and one silver medals. There will be six classes of acacias, three of amaryllis, one anthurium, eight azaleas in addition to begonias, bougainvilleas, calceolarias, ericas,

etc. In all there are 67 classes in this section.

SECTION B—BULBOUS CLASSES.

There are fifteen classes of bulbous flowers in Section B and the total of cash prizes offered reaches \$419. Three silver cups and one silver medal are to be given in this section. Four of these prizes are for callas, four for tulips and the rest for narcissi, Easter lilies, etc.

SECTION C—FERNS AND SELAGINELLAS.

Seventeen classes are included in the ferns and selaginellas. Cash prizes in this section amount to \$382. There will be two silver cups and two bronze medals.

SECTION D—ORCHIDS.

Prizes for twenty-eight classes are offered in the orchid section. The amount in cash is \$975 and there are also one silver cup and five gold and four silver medals.

SECTION E—PALMS AND FOLIAGE PLANTS.

A total of \$1,532 is offered in cash prizes for the palms and foliage plants, which include 42 classes. Two silver cups and three silver and one silver gilt medals also are included in this section.

SECTION F—MISCELLANEOUS PLANTS.

Under the heading of miscellaneous plants there will be 10 classes to compete for \$399 in cash and a silver medal.

SECTION G—PLANTS NOT IN COMMERCE.

Twenty-seven classes of new plants not in commerce are included in Section G. Cash prizes offered reach a total of \$500. There will also be a silver cup and two gold, 25 silver and 24 bronze medals.

SECTION H—MISCELLANEOUS PLANTS.

Private growers only may compete in Section H, which is comprised of miscellaneous plants. Seventy-one classes are included and \$1,953 in cash is offered. Besides this there are 12 silver cups, two gold medals or two purses each of \$50 in gold and two silver medals also or two purses each of \$25.

SECTION I—FERNS.

Section I is for ferns and only private growers are eligible. There are nine classes and a total of \$105 is offered. One bronze medal is also to be awarded in this section.

SECTION J—FLOWERING PLANTS, BULBS.

Twenty classes are included in the flowering plants and bulbs of Section J, open to private gardeners only. Cash prizes amount to \$352 and there are also two silver cups.

SECTION K—ORCHIDS.

Only private gardeners may enter the contest in this section of eight classes. The total of prizes offered is \$260.

Section L—American Rose Society.

The rose entries, all in Section L, are to be under the management of the American Rose Society, and should reach the secretary, Benj. Hammond, Fishkill, N. Y., not later than March 29.

DIVISION A—POTS AND TUBS.

Provision is made for 23 classes in Division A, for roses in pots and tubs, and the total money offered is \$804. In addition to this there will be one gold and one silver medal and a certificate of merit. These exhibits are to be staged April 5.

DIVISION B—CUT FLOWERS.

Entries for this division will be staged April 5. There are four classes and a first and second cash prize for each, amounting in all to \$120.

DIVISION C—CUT FLOWERS.

Six hundred dollars in cash is offered in Division C. There are 16 classes, including two of American Beauties and four of undisminated varieties. This division will be staged April 7.

DIVISION D—CUT FLOWERS.

Twenty-five classes are included in Division D, to be staged April 7. All prizes are cash and total \$405.

DIVISION E—CUT FLOWERS.

The seven prizes offered for entries in this division of five classes reach the sum of \$200. All prizes are cash. Exhibits staged April 7.

DIVISION F—CUT FLOWERS.

There are five classes and as many first and second prizes in this division. The total of prizes is \$330. Staged April 7.

DIVISION G—CUT FLOWERS.

Nineteen classes are provided for in this division. The cash prizes amount to \$112 and there is also a silver cup offered. Staged April 7.

DIVISION H—CUT FLOWERS.

There will be but one class in this division, a display of cut roses covering 200 square feet of space, not to contain less than 200 blooms, quality of blooms and effect to be considered, and decorative green of any kind, including plants, permitted. Prizes of \$250, \$150 and \$100 are offered.

JUDGING SCALES.

In judging entries in the roses the following scales will be used: Competitive classes—size, 15; color, 20; stem, 20; form, 15; substance, 15; foliage, 15; total, 100. Novelties for certificates, etc.—size, 10; color, 20; stem, 15; form, 15; substance, 10; foliage, 15; fragrance, 5; distinctiveness, 10; total, 100. Groups of plants—size of group, 20; distinctiveness, 15; cultural perfection, 20; number of varieties, 20; arrangement and effect, 25; total, 100. Single specimen plants—size of plants, 20; cultural perfection, 25; floriferousness, 20; foliage, 15; quality of bloom, 10; color of bloom, 10; total, 100.

Section M—American Carnation Society.

Entries for Section M which includes everything under carnations, all of which are under the management of the American Carnation Society, must be in the hands of the secretary, A. F. J. Baur, Indianapolis, Ind., not later than March 26. Exhibits will be judged as follows: Color, 25; size, 20; calyx, 5; stem, 20; substance, 10; form, 15; fragrance, 5; total, 100.

DIVISION A—SEEDLINGS OR STANDARDS.

There are 10 classes in this division and as many first, second and third cash prizes. The total amount is \$300. Staged April 8.

DIVISION B—50 BLOOMS TO VASE.

This division is open to all varieties disseminated prior to July, 1912. There are 21 classes. The total prizes amount to \$252. Staged April 8.

DIVISION C—50 BLOOMS TO VASE.

Five classes are included in this list, which is open to varieties disseminated in the season of 1911-12. The prizes amount to \$55. Staged April 8.

ated in the season of 1911-12. The prizes amount to \$55. Staged April 8.

DIVISION D—100 BLOOMS TO VASE.

Only members of the society may compete in this division of four classes. In the first the society's gold, silver and bronze medals are offered and in the second the Perpetual Flowering Carnation Society of England offers its gold, silver-gilt and silver medals. The third class is for the Fred Dorner memorial medal and the fourth is a competition of eligibility to compete for the medal at future exhibitions.

DIVISION E—NEW OR UNDISSEMINATED.

An entry fee of five dollars will be charged for the first two classes in this division, which is for a certificate of merit. Not less than 50 blooms may be shown. There is also a sweepstake prize of the S. A. F., a silver medal and a bronze medal. The second class competition is for a preliminary certificate, for two-year-old varieties. Twelve blooms must be shown and the fee is \$2.

Spring Number Next Week

IF YOU HAVE ANY stock to offer for the unusually early coming Easter trade, this is the right time to push it through our advertising columns. Assuredly, the early advertisement gets there.

Please Mail Advs. Now.

DIVISION F—ARTISTIC ARRANGEMENT

Seven classes are in this division and the cash prizes total \$580. An exhibit covering 100 square feet of space, table and mantel decorations, etc., are included. The Lawson silver cup and \$100 is the first prize for the space exhibit. Winners may have either cash or plate. Staged April 10.

DIVISION G—SPECIAL PREMIUMS.

There are five classes and prizes are offered by S. M. Merwarth & Bro., Easton, Pa.; F. Dorner & Sons Co., Lafayette, Ind.; Kroeschell Bros. Co., Chicago; Hitchings & Co., New York. The Wm. Eicholz prize is also offered in the competition. The total amount is \$75 and a silver cup and a gold medal also are included.

Section N—American Sweet Pea Society.

All sweet pea entries must be in the hands of Harry A. Bunyard, 342 W. Fourteenth street, New York, secretary of the American Sweet Pea Society, which manages the exhibit, before 10 o'clock of day previous to exhibition. Length of stem will count 25 points; color, 20; size, 25; substance, 15; number of flowers on stems, 15; total, 100.

INTRODUCED PRIOR TO 1912.

Eleven classes for which cash prizes of \$132 are offered are included under this list. Each entry is to contain 50 sprays.

STANDARD VARIETIES.

There are 21 classes of standard varieties and the prizes are all in cash, amounting in all to \$84.

NOVELTIES OF 1912.

Seven classes of novelties of 1912 are listed and the prizes amount to \$84. Prizes are all of five, four and three dollars. Each exhibit is to contain 25 sprays.

MISCELLANEOUS.

The American Sweet Pea Society offers its gold medal, certificate of merit and silver medal in addition to prizes listed above. W. Atlee Burpee & Co. offer a silver cup, Arthur T. Roddington a silver medal and two prizes of \$15 and \$10, Lord & Burnham a gold medal and Geo. T. Schuneman prizes of \$12, \$8 and \$5, the cash prizes amounting in all to \$50.

RETAILERS' SECTION.

Four classes are included in this list, table decorations, baskets, brides' bouquet and corsage bouquet. The prizes total \$100.

Section O—American Gladiolus Society.

All entries must reach the secretary not later than one week before the first day of the exhibition. The judging scales are as follows: Resistance to disease, 5; texture of flower, 10; duration of bloom, 10; size of bloom, 10; color of bloom, 15; form of flower, 10; form of spike, 10; stem, 10; number of flowers on spike, 15; vigor, 5.

OPEN TO ALL.

In this division there are nine classes, the prizes totaling \$106. Several large collections, a dinner table and a centerpiece are included.

FOR AMATEURS.

This section is much the same as the foregoing, but for amateurs only. The prizes of the eight classes reach a total of \$84.

SPECIAL PRIZES.

Special prizes are offered by: John Lewis Childs; E. E. Stewart, Rives Junction, Mich.; A. E. Kunderd, Goshen, Ind.; B. Hammond Tracy, Wenham, Mass.; Mrs. A. H. Austin, Wayland, O.; Arthur Cowee, Berlin, N. Y.; Frank Banning, Kinsman, O.; Rowehl & Granz, Hicksville, N. Y.; Henry F. Michell Co., Philadelphia, Pa., and Chamberlain & Gage, Groton, Mass. The total amount is \$67.50.

International Flower Show Prizes.**SECTION P.**

Under this section will be exhibits for floral and plant arrangement and special prizes to be staged April 11. Table decorations, baskets, etc., will be included. The prizes total \$140 and there are eight classes. Silverware to the value of \$75 and a silver cup are also listed.

SECTION Q.

Eleven classes of orchid displays for which a total of \$175 in prizes are offered, comprise this section. The first is for a display of cut orchids in one vase and the prizes are for \$75 and \$50. Ten classes of miscellaneous flowers are also listed under Section Q. Antirrhinums, pansies, violets, mignonne and stocks are in the list. The prizes total \$79. Staged April 5.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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THE United States Department of Agriculture is publishing in the shape of bulletins a record of the judgments which they have obtained against manufacturers of misbranded insecticides. Their latest bulletin is dated December 20 and is marked No. 9.

Commission Men Fight Bill.

The publicity committee of the Fruit and Produce Association of New York and the New York branch of the National League of Commission Merchants has opened fire on the Roosevelt-Cole bill recently introduced in the New York state senate. In a bulletin it is charged that the bill will give the commissioner of agriculture and his employees authority to enter the office and examine the dealer's books at will. It is pointed out that a dishonest employee might make capital of the lists of names gathered from all over the world at great expense and jealously guarded, and furnish a competitor with valuable data.

Third International Flower Show.

MORE GUARANTEES NEEDED.

The guarantee fund of the International Flower Show to be held April 5-12, 1913, amounts to some \$8,500. Our contract with the International Exposition Co. requires that we have a guarantee fund of \$10,000. By present indications we will not have to use any of it, but a contract is a contract and I would appreciate it very much if fifteen active members of the S. A. F. who have not yet contributed will each guarantee \$100 or thirty florists will guarantee \$50 each. I would very much like to get this matter settled before March 15, and take this method of doing so publicly to obviate the necessity of writing so many personal letters.

CHAS. H. TOTTY, Chairman.

Washington's Birthday at Washington.

Washington, Feb. 22.—This was a city of waving flags today. The Washington's Birthday celebrations began with memorial services by the Knights of Columbus, at the Catholic University, and the services conducted by the Sons of the Revolution and the Sons of the American Revolution this morning, followed by similar services by patriotic and state organizations through the day. The tomb of Washington, at Mount Vernon, was strewn with flowers by the hundreds who visited it. Wreaths were placed there by the George Washington Birthday Association and the George Washington Masonic Memorial Association, members of both making the pilgrimage there for the purpose. The house and senate, despite the pressure of public business, observed the day. In the senate, Senator Brandegee of Connecticut in response to a request from the presiding officer read Washington's Farewell Address. This exercise took nearly fifty minutes.

Haerens's New Azaleas.

Under the auspices of the Bourse Horticole Gantoise (Ghent Horticultural Exchange), an exhibition of azaleas in bloom was held in Ghent, Belgium, at Christmas, partly with the object of demonstrating the best varieties to force for Christmas trade. An exhibition at that time of the year is something new for the Ghent nursery trade, and the result surpassed in every respect the expectations of those interested in this innovation.

Azaleas indica, running, from the best whites to the brightest reds, were on view, including commercial varieties and a lot of very nice novelties from the well-known azalea growers, T. B. Haerens and H. Wille, at Somergem, including a pure white large flower, camellia form; a light pink, very delicate color, about the same in color as the rhododendron Pink Pearl; and a very nice crimson one, a strong large flower, a beauty in the real meaning of the word. An exceedingly fine lot of their well known new azalea Mrs. John Haerens was exhibited by the same growers, a brilliant crimson flower which made a wonderful effect, the bouquet of the show. A similar nice lot was exhibited by G. Vervaeet, Mt. St. Amand, of Vervaeana, Pharaillde, Mathilde and President Oswald de Kerckhove, all flowering perfectly. J. B. Haerens and

H. Wille obtained six first prizes. Among the judges of the show were Chs. Vuylsteke (president), L. Poelman, P. Van Acker, De la Rue Cardon, L. de Meyer, Lammius-Boutmans, Raphael Vervaeene, Enkhaut.

The aim of this exhibition was to familiarize the azalea growers with the names of the best forcing varieties, to learn how they have to grow and prepare their azaleas for early forcing and thus avoid the too frequent claims from buyers abroad on account of bad or unripe wood. The azaleas must be prepared for early forcing. This is the work of the grower and the society, by endeavoring to draw the attention of the azalea trade to this fact, hopes that both the seller and the buyer will gain by it. The azalea trade in Belgium has had a large growth and hundreds of growers of these flowers in a small line of business are growing them without commercial knowledge, unaware of the many difficulties and serious material and moral damage they are causing to the whole trade by placing plants of inferior quality on the market. English importers of azaleas should read these lines with pleasure, because in years to come, only good well-budded azaleas easy to force will come on the market to the great satisfaction of all concerned. The president of the society is J. B. Haerens, Somergem, the vice-president Alph. De Coster, Melle; secretary, Jean de Meyer, Loochristy.

American Rose Society.

PRIZES OFFERED TO GROWERS.

A letter received from Coubert, France, inquires concerning the prize as offered by Mrs. Frances Roche for the new rose to be an improvement upon the Marechal Niel. There has been discussion regarding the large prize offered by Moore, Hentz and Nash of a \$50 cup for six roses. Mr. Moore says some small grower may have just a few very fine flowers, as fine as grown in the largest establishment, and it is just here that he has his chance against the big man. A small bunch spreads the offer far more widely and that is what we want to do, if it gets more exhibitors and varieties and sets people talking about such a valuable prize for "only six roses." No stem must be longer than 20 inches, not over two roses of any one variety, the roses of each variety to be judged on their own merits and not by comparison with the other varieties.

The following letter has been received from G. S. Dennison of the Panama-Pacific Exposition, department of horticulture:

"I have been referred to you by Prof. L. H. Bailey, of Ithaca, N. Y., to whom I had written regarding a list of the rosarians of America. The exposition management is to offer a trophy of a cup of the valuation of \$1,000 in addition to the usual awards, to the originator of the finest new and unnamed rose exhibited at the Panama-Pacific International Exposition in 1915, the rose to receive its name from the committee appointed by the board of directors. I wish to lay this fact before the rose-growers at a very early date, and will thank you for any assistance you can give me as to how to obtain a list of them."

BENJAMIN HAMMOND, Sec'y.

February 24, 1913.

Palm Beach, Fla.

The mid-season event here, the Washington ball, finds the Foster & Foster establishment under the management of Madge Dolan, doing a greatly increased cut flower business. The bulk of these shipments are coming from Chicago. Trade with Philadelphia, which was formerly the exclusive source of these, being now limited to a few holiday shipments. New fast trains out of Chicago in part account for this. A beautiful dinner decoration February 24 consisted of a pyramid of Florida fruit surrounded by Killarney roses, orange blossoms and adiantum. Mrs. Aaron Ward roses, lily of the valley and roses generally from Chicago arrive in best condition. Some Philadelphia carnations are of better quality than Chicago stock. Rhinebeck violets come direct by parcel post. Asparagus plumosus and outdoor lily of the valley is grown locally, with a few outdoor roses, whose short buds and good foliage are often helpful.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage etc.

Situation Wanted—Single. Age 18. Assistant in private or commercial place. Good references. Address, Key 780, care American Florist.

Situation Wanted—By experienced Seedsman. Good counter man. For further particulars, address, Key 791, care American Florist Co.

Situation Wanted—Position as traveling salesman for seeds, bulbs, plants or florists' supplies. Address Key 786, care American Florist.

Situation Wanted—As orchid grower or gardener, private preferred—by Englishman, age 29, married. 15 years good practical experience in the work of all departments of all places. Excellent references. Address, Key 795, care American Florist.

Situation Wanted—Position by energetic young man in a private establishment; 25 years old. Life experience in private and commercial establishments growing roses, carnations, mums, pot plants and vegetables. Best of references. Address Key 787, care American Florist.

Situation Wanted—As Foreman: can take full charge. 14 years practical experience in growing roses, carnations, mums, and general stock for retail trade. Can furnish the best of references. Southern States preferred. Married, age 31. State wages. Address, Key 793, care American Florist.

Situation Wanted—As Head Gardener and Florist in private place: English, 35 years old, married, one child, boy of 7. At present engaged, but desire a change. Life experience in all branches including store plants, grapes, peaches, melons, strawberries under glass, etc., vegetables, training fruit trees and general routine of a well-kept garden. 5 years in this country. Best references. Address, Key 794, care American Florist.

Help Wanted—A bookkeeper who has had experience in bookkeeping in a florist's store. Address A. F. F., care American Florist, 124 East 24th Street, New York.

Help Wanted—Florist and gardener, competent to take charge of greenhouse, garden and grounds at State Institution. Address SUPERINTENDENT, State Public School, Owatonna, Minn.

Help Wanted—At once, a practical rose grower to have charge of section: nothing but roses. \$16 per week to start. Do not apply unless you have the goods. F. FALLON, Roanoke, Va.

Help Wanted—A man experienced in raising vegetables under glass; must have the best of references; state wages expected in first letter. W. J. PADDOCK, Leadville, Colo.

Help Wanted—Experienced grower of Killarney and Wards; \$50 per month and board and lodging; must furnish good references. Apply WRIGHT'S FLOWER SHOP, 224 West 4th St., Los Angeles, Calif.

For Sale—New Greenhouse with 11 acres of land located in a rich farming country and in county seat. Inquire of FRANK A. WERRACH, Cambridge, Ill.

For Sale—Half interest in a good paying Florist business, must be sold by March 1st. Other business cause of selling. Write immediately for particulars. Address, Key 765, care American Florist.

For Sale—Retail florist store at 4229 Broadway, New York; good business attached; improving location; reason for selling eminently satisfactory; terms quite reasonable. Address LE MOULT, 202 Bowery, New York.

For Rent or Sale—Greenhouses, 28,000 feet of glass, hot water and steam heat; also 3 acres of land and barn if desired. Ten minutes walk from R. R. station and street car; 14 minutes north of Chicago on C. & N. W. Address, JOHN FELKE, SR., 716 Ridge Ave., Wilmette, Ill.

For Sale—At a sacrifice, for cash; about 2000 feet of glass, stocked with carnations, chrysanthemums, bedding stock and small flowers. A fine proposition to one that thoroughly understands the business. Large retail trade and all the wholesale you can handle. Four acres of land; on car line on the main street of city of 20,000. For particulars address R. S. ELWOOD, Receiver, Albuquerque, N. M.

Want a Change?—Over 8000 feet of glass; devoted to lettuce, together with 120 acres of land in hay and market garden. Near a Colorado town of 12000 population. The only one in the business; established trade of over 30 years. \$6000 takes this; part cash, terms. Address Key 789, care American Florist.

Wanted

To exchange Princess Charming Carnation cuttings, for White Enchantress.

Address, JOHN W. ELDREDGE, Belvidere, Ill.

WANTED

Good all-round greenhouse man, middle-aged and married preferred; must be sober and reliable; 4500 feet of glass; grow carnations, roses, bulb stock, bedding plants, etc.; good wages and permanent position; town of 2000, with all advantages of city at lower living cost. Address

Key 785, care American Florist.

WANTED

A gardener—married and with a small family. Place near Chicago. No grass to cut or roadways to care for. Small greenhouse, vegetable garden and flower beds. House, hot water heated, fuel and electric lighted furnished free. Answer, stating age and nationality and wages expected.

Address, Key 792, care American Florist.

Wanted

A first-class line of Florists' Supplies for Southern territory to sell on commission. Address Key 788 care American Florist.

FOR SALE.

3,000 lights, 14x20 inches, double-thick, plain American glass, second hand.
9,000 lights, 8x10 inches, double thick, plain American glass, second hand.
700 lights, 15x20 inches, double thick, plain American glass, second hand.
14 Evans Challenge ventilating machines with arms and pipe complete for 100 ft. houses or longer.
E. A. KANST, 5329 Ellis Ave., CHICAGO, ILL.
Telephone, Hyde Park 1844.

Help Wanted.

Young man familiar with trade in Ohio, for wholesale cut flower store. Must be quick and alert, with some experience.

L. F. DARNELL,
2227 East 100 St.,
CLEVELAND, O.

WANTED IN LANDSCAPE DEPARTMENT

energetic and competent party of pleasing address, familiar with principles of good landscape planting. One with nursery training preferred. Permanent position with opportunity for advancements to right party.

The Elm City Nursery Co.

NEW HAVEN, CONN.

Address, Landscape Department

Easter Number

Next Week

PLEASE SEND YOUR ADVTs. NOW

ROSES NOW IN CROP

NOTE REDUCTION IN PRICES

Our roses are all carefully sorted and packed and cut especially for the shipping trade. Buy your flowers direct from a large grower. You get a more even run of stock and much fresher cut. We send our stock from the greenhouses three and four times per day.

CARNATIONS IN LARGE SUPPLY

Fancy Red, Pink and White, per 100, \$3.00. Medium stems, Pink and White, per 100, \$2.00. Shorts and splits for funeral work, \$1.00 per 100.

CURRENT PRICE LIST. Subject to change in market.

American Beauties

Per doz.	
Specials, extra long stems.....	\$ 6 00
36-inch stems.....	5 00
30-inch stems.....	4 00
20 to 24 inch stems.....	3 50
12-inch stems.....	1 50

Carnations

Per 100	
Fancy Pink, White and red.....	\$3 00
Medium Pink and White.....	2 00
Short and splits, white and pink for funeral work.....	1 00

Rhea Reid, Richmond, White and Pink Killarneys

Per 100	
Extra select.....	\$10 00
Medium.....	\$6 00 to 8 00
Short.....	4 00 to 5 00

Sunburst and Ward

Per 100	
Select.....	\$10.00 to \$12.00
Short and Medium.....	5.00 to 8.00

Miscellaneous

Per 100	
Harrisii Lilies, per doz.....	\$1 25; \$8 00
Jonquills [Single and Double].....	\$2 00 to 3 00
Narcissus Paper White.....	2 00 to 3 00
Lily of the Valley.....	3 00 to 4 00
Tulips, all colors.....	2 00 to \$3 00
Tulips, double.....	3 00 to 4 00
Sweet Peas.....	50 to 1 00
Asparagus Sprays.....	3 00 to 4 00
Sprengeri.....	2 00 to 3 00
Ferns, per 1000.....	2 50 2 00
Smilax, per doz.....	1 50 to 2 00 1 00
Adiantum.....	
Galax, bronze, per 1000.....	1 00

BASSETT & WASHBURN

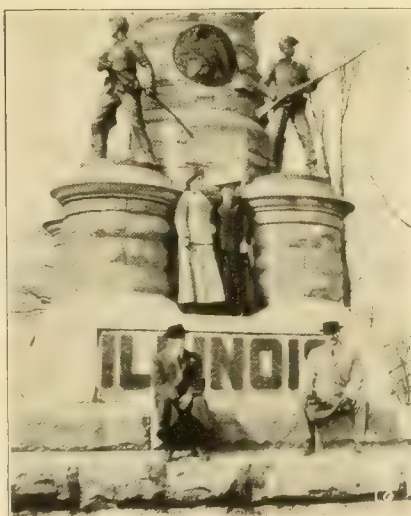
Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.
LONG DISTANCE PHONE, CENTRAL 1457.

Chicago.

SEVERE STORM DAMAGES PROPERTY.

This city has been experiencing all kinds of unfavorable weather during the latter part of the past week, with a severe wind, rain, sleet and hail storm doing much damage. It is estimated that the property loss in this city alone on the day of the big storm was more than \$1,000,000, with the telephone, telegraph and transportation companies the principal losers. Telegraph poles in every direction were blown down and broken off and communication to some of the suburban towns was cut off for some time. If the wind, which was from the north, had not shifted to the south when it did and brought a warm wave with it the loss would have been much greater, for the ice clinging to the telegraph wires melted, preventing them from breaking and the ice-covered trees in the park and residence districts were also saved. Of course, all this has affected business more or less, with the result that trade has been very quiet outside of a slight increase in the shipping on February 24. Stock of all kinds is plentiful with the exception of long-stemmed American Beauty roses. Short and medium-stemmed American Beauties are plentiful and the supply of roses in general is steadily increasing. Killarney and White Killarney are arriving in good condition and the receipts of Richmond are much larger. Sunburst, Mrs. Aaron Ward and Melody are showing fine form now and are in good supply. Carnations are very plentiful with a large quantity of splits still arriving. The better grades are now bringing \$2 and \$3 a hundred, but much inferior stock is being sold for less. Lilies are in larger supply, and the prices on these flowers have

dropped considerably during the last few days. Callas are to be had in quantity and the same can be said of sweet peas. Lily of the valley is in better supply and violets can be had in large quantities at very low prices. Last week violets sold for 30 cents and upward a hundred, but this week the



N. J. Wietor and Party at Missionary Ridge, Chattanooga, Tenn.

dealers are glad to move them at any figure. One large dealer said Monday, February 24, that he could fill an order for 75,000 very easily without

any special effort and then have enough left to supply his regular trade. Orchids are in good supply yet. Home-grown gardenias are scarce but there is a great deal of eastern stock available at \$2 and \$3 a dozen. The supply of bulbous stock is not quite as large as it was last week, but there is no shortage of any flower in this line.

NOTES.

Erne & Klingel began making their overnight shipments in corrugated boxes on February 24, which means a saving to both the buyer and the shipper. Mr. Erne thinks that it will only be a matter of a short time before the plan will be adopted in general for short shipments, because the cost of the wooden box is becoming too expensive. Shipments in corrugated boxes also mean a saving in expressage to the buyer.

H. N. Bruns is planning extensive changes in his establishment this year, including a new store and several new houses. He has a nice lot of lilac plants now in bloom and his customary large supply of fine lily of the valley in all stages of development, from the cold storage pips to the blooming plants in benches, pans and boxes.

Wendland & Keimel, of Elmhurst, will discard Rhea Reid next season and grow the new rose Milady more abundantly instead. They have at present two large houses planted with Rhea Reids.

Robt. Newcomb, representing Vaughan's Seed Store, is back from a successful trip feeling as fine as a lark and weighing 212 pounds.

F. F. Scheel, of Shermerville, will have 32,000 feet of glass when his new addition of Moninger houses is completed.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

CARNATIONS

In Large Quantities for All Occasions. Write for Special Prices on Large Lots.

Roses of all Kinds

Short, Medium and Long in larger supply to Meet All Demands. Also a good supply of Single and Double VIOLETS, VALLEY, TULIPS, JONQUILS and SWEET PEAS.

Current Price List.

SUBJECT TO CHANGE WITHOUT NOTICE.

AMERICAN BEAUTIES		Per Doz.	RICHMOND.		Per 100	CARNATIONS—		Per 100
Specials		\$6.00	Long		\$10.00 to \$12.00	Fancy		\$3.00
36-inch		5.00	Medium		8.00	Medium		2.00
30-inch		4.00	Good short		4.00 to 6.00	Splits and Shorts		1.00
24 to 28 inch		2.00 to 3.00	KILLARNEY.			ORCHIDS,		
18 to 20 inch		1.50	Long		\$10.00 to \$12.00	TRIANAE	per doz.,	4.00 to 6.00
Short stem	Per 100	6.00 to 10.00	Medium		8.00	DENDROBIUM FORMOSUM, doz.		5.00
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.			Good short		4.00 to 6.00	EASTER LILIES	\$10.00 to	12.00
Long	\$12.00 to	\$15.00	WHITE KILLARNEY.			JONQUILS		3.00
Medium	8.00 to	10.00	Long		\$10.00 to \$12.00	DAFFODILS		3.00
Short	4.00 to	6.00	Medium		8.00	TULIPS, double and single	3.00 to	4.00
MELODY, long.			Good short		4.00 to 6.00	ADIANTUM CROWEANUM		1.00
Medium	10.00 to	12.00	Extra special Roses, charged accordingly.			MEXICAN IVY	per 1000,	\$6.00
Short	8.00 to	10.00	VIOLETS, Princess of Wales.		\$.50 to \$.75	SMILAX		16.00
MRS. AARON WARD.			Double, New York		.50 to .75	SPRENGER PLUMOSUS SPRAYS	3.00 to	4.00
Long	10.00 to	12.00	Double, Glencoe, home-grown		1.00	PLUMOSUS STRINGS, extra long and heavy	each,	.60
Medium	8.00 to	10.00	ROMANS		\$2.00 to 3.00	FERNS	per 1,000,	2.00
Short	4.00 to	6.00	SWEET PEAS.		.75 to 1.00	GALAX	per 1,000,	1.25
LADY HILLINGDON.			Long Fancy		1.50	LEUCOTHOE	per 100,	.75
Long	10.00 to	12.00	VALLEY		\$3.00 to \$4.00	BOXWOOD, fine bright green		
Medium	8.00		NARCISSUS, Paper White.		3.00	.. per bunch, 25c; per 50-lb. case,		.75
Short	4.00 to	6.00						

Supply Department

Poehlmann's Improved Sprinkler



Believing this Sprinkler to be the best one of its kind made, we have secured the Agency for the sale of them in the United States. It is guaranteed to last a year, free from defects of all kinds caused by ordinary wear. It is made of pure Para Rubber and holds the same capacity as the large Sprinkler, hard rubber top, brass ferrule, easily filled. Try one, Parcel Post Prepaid, **\$1.00** each; **\$10.50** per dozen.

To Jobbers, special inducements.

We are the central market for all accessories in the line of Florists' Supplies. New goods, prompt delivery.

Order now an assortment of Plant and **French Flower Baskets** for Easter, also **Sheet Moss** and **Basket Foil**. **Corsage Ties, Shields, Butterfly Bows, Pins, Etc.**

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

LARGE SUPPLY

BEAUTIES--ROSES--CARNATIONS

CURRENT PRICE LIST.—Subject to change without notice.

American Beauties.

Per Dozen	Per Dozen
60 in. stems.....\$5 00	24-in. stems.....\$2 00
48-in. stems.....4 00	20-in. stems.....1 50
36-in. stems.....3 00	16-in. stems.....1 00
30-in. stems.....2 50	

Killarney.

Per 100	Per 100
Extra special.....\$10.00	Medium.....\$ 6 00
Selects.....8.00	Good.....5.00
Fancy.....7.00	Short stems.....4.00

My Maryland

Per 100	Per 100
Extra Specials.....\$10.00	Fancy.....\$7.00
Select.....8.00	Medium.....6.00
Good.....5.00	

Sunburst

Per 100	Per 100
Extra Special.....\$10.00	Fancy.....\$ 7.00
Select.....8.00	Medium.....6.00
Good.....5.00	

Roses, our selection

\$4.00

Mrs. Jardine, Long

\$10.00

Medium.....6.00

Richmond

Per 100
Extra specials.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stem.....4.00

White Killarney

Per 100
Extra specials.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stems.....4.00

Carnations

Good.....2.50 to 3.00	
Medium.....2.00	Short.....1.50
LILIES.....per doz., \$2.00; 15.00	
FERNs, per 1000.....\$2.50	
SMILAX, per doz.....\$1.50 to 2.00	
ADIANTUM, per 100.....1 00 to 1.50	
GALAX, per 1000.....1 00	
SPRENGERI, per bunch......50	
ASPARAGUS SPRAYS, per bunch......50	

Oscar Leistner, 17 North Franklin street, distributing agent for Ove Gnatt, of Hammond, Ind., preparer of foliage, is making preparation for a big Easter and spring trade. This firm deals principally in ruscus, magnolia leaves, cycas leaves, statice, natural green American oak sprays and American oak shrubs. Theodore Kirchen calls on the trade in this vicinity and has many satisfied customers among the local florists and elsewhere.

The executive committee of the S. A. F. consisting of President Farquhar, R. Vincent, Jr., W. F. Kasting, Thos. Roland, E. Allan Peirce, John A. Evans, August Poehlmann, George Asmus, Harry A. Bunyard and Chas. H. Totty passed through this city on February 24, enroute to Minneapolis. August Poehlmann joined the party here, likewise George Asmus, who is taking the place of John Young, who is ill.

A. Miller, of A. Henderson & Co., has returned from Minneapolis and will leave on March 4 for Peoria to attend the annual meeting of the Illinois State Florists' Association, where he will have charge of Philadelphia, the new carnation that S. S. Skidelsky of Philadelphia will disseminate next season. Mr. Miller's next birthday falls on the opening day of the meeting.

Phil. Schupp, with J. A. Budlong, has returned from a most delightful visit in the south where he was treated royally by his many acquaintances in the trade. He stopped off for a few days at Louisville, Ky., to join Mrs. Schupp, who was visiting friends there.

Tim Matchen says that Peter Reinberg is cutting more heavily now in Richmond roses, which have been somewhat scarce for some time. A fine grade of Mrs. Aaron Ward, Killarney and White Killarney are now seen in good supply here.

The Raedlein Basket Co. received sixty large cases of baskets for its Easter trade from its large factories in Germany on February 22. The firm has just installed a tinshop in its local distributing store for the purpose of lining its own goods.

George Reinberg says that the outlook is bright for a good supply of



Erne & Klingel's Mascots.
Mae and Ruth Klingel (Twins).

both roses and lilies for Easter as far as his establishment is concerned and this seems to hold good in general. The lily crops according to him are running rather uneven.

O. Johnson says that the Batavia Greenhouse Co. will postpone its building until next year, when 50,000 feet of glass will be added to the present plant. Work, however, will be started on a new cistern as soon as the weather permits.

The Geo. Wittbold Co.'s retail department, according to Louis Wittbold, is having an unusually good sea-

son with funeral orders the most plentiful. A new Auto-truck has been added to the delivery service this week.

The Schack Artificial Flower Co., 1739 Milwaukee avenue, manufacturers and importers of preserved adiantum, sea moss, areca, grass, etc., are mailing a handsome catalogue to the trade.

John Michelsen, of the E. C. Amling Co., says that violets are more plentiful this week than they have been for some time and the outlook for a brisk demand is none too encouraging.

John Scheiden has sold his home at Oakdale and Ashbury avenues and will build another residence on his present property at Howard and Ashbury avenues.

The proprietors of the Madison Floral Co., who cater more to the transient trade, report that funeral work was never so brisk with them as it is at present.

W. N. Rudd's series of lectures at the State University made a big hit with both students and faculty—eminently practical and to the point, they say.

Sam Pearce has placed a large order for greenhouse glass which is a pretty good criterion that he will build a new range in the near future.

Mrs. Duncan A. Robertson has been under the doctor's care for the past six weeks, receiving treatment for injuries sustained from a fall.

The next regular meeting of the Florists' Club will be held at the Union Restaurant, West Randolph street, on Thursday, March 6.

J. Kochorabus & J. Papadogian have opened a flower establishment at the foot of the Adams street bridge, 372 West Adams street.

Mrs. Oscar Kreitling, 1049 West Twelfth street, reports a busy season taking care of various wedding decorations.

BEAUTIES

Extra Large Supply of Long Stemmed Flowers of Unsurpassed Quality at Very Reasonable Prices. Good Color, Foliage and Stem.

CARNATIONS ^A_N^D ROSES

Good Supply of Killarney, White Killarney, Richmond, My Maryland, Sunrise and Mrs. Aaron Ward. Easter orders now being booked.

Current Price List.

Subject to change without notice.

AMERICAN BEAUTIES		Per doz.			Per 100			Per 100
Extra long.....		\$ 5 00	White Killarney, Special.....		10 00	Valley.....		3 00 to 4 00
36-inch stems.....		4 00	Medium.....	6 00 to	8 00	Violets.....		75 to 1 00
30-inch stems.....		3 00	Short.....		4 00	Sweet Peas.....		75 to 1 00
24-inch stems.....		2 50	My Maryland, Special.....		10 00	Asparagus, bunch.....	2 00 to	3 00
20-inch stems.....		2 00	Medium.....	6 00 to	8 00	strings, 60c to 75c ea.		
18-inch stems.....		1 50	Short.....		4 00	" Sprenger.....	2 00 to	3 00
12 to 15-inch stems.....		1 00	Sunrise, Select.....		10 00	Smilax.....		1 50
Shorts.....	\$ 50 to	75	Medium.....	6 00 to	8 00	Mexican Ivy.....		75
Richmonds.....	Per 100		Short.....		4 00	Galax, bronze and green		
Select.....		\$10 00	Roses our Selection.....		5 00	per 1000, \$1 25		
Medium.....	6 00 to	8 00	Carnations, Fancy.....		3 00	Leucothoe Sprays.....		75
Shorts.....		4 00	Select.....	1 50 to	2 00	Boxwood, per bunch.....	25	
Killarney, Special.....		10 00	Harrisii Lilies...per doz., \$1 50			Ferns, per 1000.....	\$2 50	
Medium.....	6 00 to	8 00						
Short.....		4 00						

Peter Reinberg

30 East Randolph Street

L. D. Phone, Central 2846

CHICAGO

"The Busiest House in Chicago."

"Do It Now"

BUY HERE. The first principle of this store is to sell you things that are right at the price that's right—and your money back if you want it. This house is going to be in business here for a long, long time. Your word is our best advertising. Let us fill your wants. Get acquainted with this store's methods—learn that we do what we say—make good what we promise. Start buying here. DO IT NOW.

J. B. DEAMUD CO.

Phones { Central 3155. 160 N. Wabash Av., CHICAGO
Auto. 44-389.

Roses In Better Supply

Fine Killarney, White Killarney, Richmond and all other leading varieties in addition to a fancy grade of American Beauties.

CARNATIONS

and Bulbous Stock are also leaders with us. You would do well to place your order here, for we have both quantity and quality.

A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.,

L. D. Phone:
Central 2761

CHICAGO

Poehlmann Bros. Co. received a letter this week from W. G. Matthews, of Dayton, O., which contained the sad news that his mother, Mrs. Berkeley, had died in that city on February 19. Mrs. Berkeley previous to her death had made her home with her son in Dayton during the winter and with her daughter in this city during the summer. She was 72 years of age and had a host of friends in both cities and was loved by all who knew her.

King, with the Butte Floral Co., Butte, Mont., has been in the city for several days this week on business connected with the new range of glass his firm will build in the near future. Mr. King will use Moninger material in his new range, which will be quite an addition to their already large range of 65,000 feet of glass.

Wietor Bros. have employed Gus Wiedenhoff, of Terre Haute, Ind., as their foreman, who will assume charge about the middle of March. Mr. Wiedenhoff is now with the Terre Haute Rose & Carnation Co. and will succeed James Novak, who will take charge of the Weber place in Bowmanville.

Word was received in the market this week that Chas. Layer, a pioneer florist of Gilman, died on February 22. The funeral was held the following Monday. The late Mr. Layer was a heavy buyer on this market and had many friends among the local trade as well as elsewhere.

The next annual meeting of the Illinois State Florists' Association will be held at Peoria March 4-5. The local delegation will leave on the Rock Island Railroad from the LaSalle street station at 9:10 a. m., arriving at 1:25 p. m., March 4.

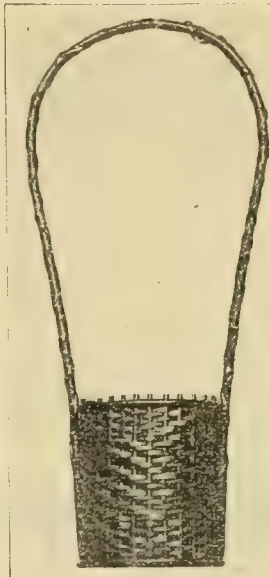
Henry Wittbold returned from his trip south on February 24 and is now busy with several large decorations, one in Lake Forest, another at the Saddle & Cycle Club and one at the Clay Show at the Coliseum.

Poehlmann Bros. Co.'s roses are now arriving in fine condition especially Melody which is at its best now. The supply of other varieties, especially in the short and medium grades, is nearly equal to the demand.

Kennicott Bros. Co. is supplying their trade with fine ferns and other green goods. This firm's shipments of bulbous stock are quite large and contain all the flowers in season.

A. L. Vaughan says that A. L. Vaughan & Co.'s shipping trade showed much improvement the opening of the week but that local trade at present has been somewhat quiet.

The A. L. Randall Co. is making improvements right along to its store, and by the time Frank Johnson gets through he will have things in pretty fine shape.



"GOODER THAN GOOD."

And Better Than the Best Offered Elsewhere.

RAEDLEIN'S EASTER BASKETS

Send for a \$5.00, \$10.00, \$15.00

or \$25.00 assortment and we will

bill you at factory prices. DO

IT NOW.

RAEDLEIN BASKET COMPANY

713-717 Milwaukee Ave., Chicago

John Simpson, the Ogden avenue florist, reports a big run on funeral work in which his automobile comes in mighty handy for interurban deliveries.

Hoerber Bros. are featuring a good supply of Killarney and White Killarney roses in addition to a fine grade of carnations.

John Kruchten has a regular supply of lily of the valley in addition to all the other flowers and greens in season.

The Chicago Flower Growers' Association is the recipient of a fine grade of tulips, for which the demand is heavy.

Chas. W. McKellar is now receiving eastern-grown gardenias in quantity and is featuring a fine grade of orchids.

John Evans, of Richmond, Ind., called on the trade in Maywood previous to his departure for Minneapolis.

Percy Jones is making big preparations for the Easter trade in both the cut flower and supply departments.

Kyle & Foerster are still featuring fine sweet peas in quantity, in addition to all other flowers in season.

Joseph Ziska is busy as ever manufacturing wire frames, the demand for which is unusually brisk.

C. L. Washburn, of the firm of Bassett & Washburn, celebrates another birthday on February 27.

Robt. Northam, George Reinberg's popular store man, is serving on the jury this week.

The J. B. Deamud Co. has a fine line

New Club Cars Between Chicago and Detroit

New club cars have been installed by the

Wabash

on its electric-lighted vestibuled night trains Nos. 5 and 12 between Chicago and Detroit leaving both cities respectively at 11:00 P. M. Midnight luncheon and breakfast are served a la carte in these cars.

of bulbous stock, with tulips the principal offering.

Zech & Mann are showing their usual good line of lilies, which is now their leader.

H. W. Woell is now employed in Zech & Mann's shipping department. Weiland & Risch are cutting from a fine crop of lilies and roses.

Visitors: Wm. Griesinger, general manager of Horticulture Amandia, Mont St. Amand-Ghent, Belgium; H. Hoffman, with the Hoffman Floral Co., Jacksonville, Ill.; S. S. Skidelsky, Philadelphia, Pa.; Robt. Spiro, representing Chas. Zinn & Co., New York; Louis F. Carrillo, Mamaroneck, N. Y.; E. W. McLellan, San Francisco, Calif.; — Schneider, El Paso, Texas; E. Praefke, Milwaukee, Wis.

JOHN F. KIDWELL, President.

EDWARD MEURRT, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association



WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone 176 N. Michigan Ave.
Randolph 5449

Chicago

Large Supply of SINGLE **VIOLETS** DOUBLE

—AND—

Carnations

Also Fancy Sweet Peas,
Tulips, Jonquils, Roses,
Carnations and All Other
Seasonable Cut Flowers

PUSSY WILLOWS, 50c per Bunch.

Current Price List.

Subject to change without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 6.00	\$ 5.00	\$ 4.00	\$3.00	.....
Killarney.....per 100	12.00	10.00	8.00	6.00	5.00
White Killarney.....	12.00	10.00	8.00	6.00	5.00
My Maryland.....	12.00	10.00	8.00	6.00	5.00
Richmonds.....	12.00	10.00	8.00	6.00	5.00
Mrs. Aaron Ward.....	12.00	10.00	8.00	6.00	5.00
Sunburst.....	12.00	10.00	8.00	6.00	5.00
Carnations.....	4.00	3.00	2.00	1.50	.....
Callas.....	15.00	12.50	.....	.....	.....
Lily of the Valley.....	4.00	3.00	.....	.....	.....
Violets, Extra fine single.....	1.50	1.00	.....	.....	.....
Double.....	1.50	1.00	.....	.....	.....
Sweet Peas.....	1.50	1.00	.....	.....	.....
Romans.....	4.00	3.00	.....	.....	.....
Paper White Narcissus.....	4.00	3.00	.....	.....	.....
Jonquils.....	4.00	3.00	.....	.....	.....
Tulips.....	4.00	3.00	2.00	.....	.....
Easter Lilies.....	12.50	10.00	.....	.....	.....
Daisies.....	1.50	1.00	.....	.....	.....
Asparagus Plumosus Sprays...per 100	4.00	3.00	2.00	.....	.....
Asparagus Sprenger Sprays..	3.00	2.00	.....	.....	.....
Mexican Ivy.....	.60	.....	.....	.....	.....
Smilax.....	16.00	12.50	.....	.....	.....
Galax, Green and Bronze.....per 100	1.00	.....	.....	.....	.....
Ferns.....	2.00	.....	.....	.....	.....
Boxwood.....bunch	.25	.....	.....	.....	.....
Adiantum.....per 100	1.00	.75	.....	.....	.....

Cook County Florists' Association.

The regular meeting of the Cook County Florists' Association was held at the Tavern, Thursday evening, February 20, President Kohlbrand in the chair. The principal business of the evening was the election of officers, which resulted as follows: A. C. Kohlbrand, president; Allie Zech, vice-president; John Zech, treasurer; A. T. Pyfer, secretary; Michael Fink, sergeant-at-arms; Walter Scott, E. C. Amling, H. N. Bruns, A. Henderson and W. J. Keimel, trustees. H. N. Bruns was nominated for president after Nic Miller withdrew from the race in favor of A. C. Kohlbrand. Four new members were admitted into the association and several new names were proposed for membership. Several important letters were read and much other important business was transacted.

The Chicago, Milwaukee & St. Paul Railway was selected as the official route for the society to the S. A. F. convention to be held in Minneapolis, August 19-22, and the Michigan Central lines to the Third National Flower Show, which will be held in New York, April 5-13. The next regular meeting was postponed until March 27, a week later, on account of Easter week, which is always a busy time for the florists.

There was also a fine exhibit of carnations, notable among which were the following:

Scott Bros., Elmsford, N. Y., exhibited their new scarlet carnation, William Eccles, but it was not in good condition for judging, being a long time in transit, but even considering this the fine large flowers borne on long stiff stems showed up exceptionally well and created a very favorable impression. Lady Northcliff,

a beautiful salmon pink, also exhibited by this firm, was awarded the club certificate. Its pleasing color was greatly admired.

James Aldour & Son, Iowa City, Ia., exhibited new seedlings cut at different stages of development that showed up exceedingly well and looked very promising.

Avard Anderson, of Moline, Ill., exhibited a number of seedlings, among which a fine large scarlet was awarded the club certificate. No. 113, a cerise pink, was a large flower that measured nearly five inches, although it was not fully developed. His other seedlings were highly complimented.

The Blackman Floral Co., Evansville, Ind., had a vase of three different seedlings on exhibition, among which the most prominent one, a medium pink, received the club certificate.

J. D. Cockcroft, Northport, L. I., exhibited his new cerise carnation, Northport, which was awarded the club certificate. It was highly commended and favorably looked upon as an addition to the numerous varieties of this color now on the market.

The Chicago Carnation Co.'s new carnation No. 246, a medium pink of the Scott shade, scored 89 points and was awarded a certificate of merit. This firm also exhibited a fine vase of White Wonder and Gloriosa and a very attractive vase of their new scarlet carnation, The Herald.

A. F. Amling & Co., Maywood, had on exhibition a fine grade of winter-blooming Spencer sweet peas that were highly praised and acknowledged as the best ever exhibited before the club.

The new rose, Mrs. Chas. Russell, grown by the Waban Rose Conservatories of Natick, Mass., did not arrive in time to be staged, but was on ex-

PERCY

Wholesalers of

CUT FLOWERS and FLORISTS' SUPPLIES

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

Mention the American Florist when writing

hibition for several days after at the Chicago Carnation Co.'s store, where it was greatly admired by the trade in general. It is a splendid keeper and a fine large flower similar to the American Beauty that has a fine stem well clothed with luxuriant foliage.

Philadelphia, another new carnation of a fine medium pink shade, also arrived too late, but was placed on exhibition at the Chicago Carnation Co.'s store, where it attracted much favorable attention for several days. It is a very large flower with many other good qualities and will be disseminated next year by S. S. Skidelsky of Philadelphia, Pa.

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street

L. D. Phone, Randolph 6578

CHICAGO, ILL.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids, Violets and Other Seasonable Stock.

Long Distance Phone
Central 3598.

Minnesota State Florists' Association.

The regular monthly meeting of the Minnesota State Florists' Association was held at R. A. Latham's conservatory, Minneapolis, Tuesday evening, February 18. A. J. Olson of the dance committee reported that nothing had been done except to ascertain about the hall and that there was some objection toward giving a dance during the Lenten season. He recommended that one be given after Easter. Discussion resulted in the committee being granted authority to arrange for the annual affair to be held as soon as practicable after Easter week. The application for membership of L. F. Nordine of the Andrews Heating Co., Minneapolis, was accepted.

W. A. Keeling, with Holm & Olson, St. Paul, exhibited two very fine specimen plants of Dendrobium Wardianum which were scored 90 points by the judges.

A. Lauritsen of the Warrendale Greenhouses, St. Paul, exhibited a fine bunch of orchid-flowering sweet peas, which scored 90 points.

W. S. Desmond, of the L. S. Donaldson Co., Minneapolis, exhibited White Wonder carnations, scoring 84 points; single violets, Princess of Wales, scoring 89 points; Golden Spur narcissi, scoring 75 points.

A standing vote of thanks was extended the exhibitors for their excellent exhibits. Vice-President Theodore Wirth of the S. A. F. told the association about the work which has been done toward making the coming convention a great success. He extended an invitation to the Twin City trade to attend the meetings of the board of directors to be held February 25-28, and placed especial emphasis on attendance at a banquet to be given the visiting directors Wednesday evening, February 26, at the Raddison hotel. An amusing ode to the Minneapolis bowlers was read. It is claimed that the poet lives in St. Paul. His identity remains unsolved but all clues lead in one direction.

S. A. Jamieson of the Geo. M. Garland Co. gave a talk on the uses of concrete in greenhouse building and also took up building in general. Lantern slides were used to illustrate the talk. Much interest was shown. The pictures of the "greenhouses on wheels" and other types of modern construction proved to be of particular interest. L. F. Nordine gave the association some fine information on greenhouse heating and accepted the invitation which had been extended him to present a paper on the subject at the next meeting. The meeting adjourned to meet again on March 11 at Holm & Olson's store, St. Paul. S. A. J.

WATERLOO, IA.—Chas. Sherwood has completed an addition to his greenhouses, 26x125 feet.

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers at Lowest Market Prices.

30 E. Randolph St., CHICAGO

Shamrocks

Fine 1-inch pot plants shipped in the pots and express prepaid in lots of 100 or more at \$5 00 per 100, net cash.

J. N. KRAMER & SON,
CEDAR RAPIDS, IOWA.

Magnolia Leaves

Cycas Leaves
AMERICAN OAK SPRAYS
Ruscus

Write for samples

OSCAR LEISTNER, 17 North Franklin Street
CHICAGO

Selling Agent for OVE GNATT, Hammond, Ind.

Milwaukee.

GOOD AMERICAN BEAUTIES SCARCE.

The market condition for roses has eased up considerably and stock is coming in more plentifully both in the short and long grade. The American Beauty rose situation remains unchanged with very few good blooms in the market. Carnations are here in plenty but seem to move fairly well, as do sweet peas, violets, tulips, daffodils and other bulb stock. Harrisii lilies are still a scarcity. There are plenty of green goods.

NOTES.

Last week occurred the marriage of Walter M. Maas, of the Walter M. Maas Co., and Miss Diedrich. After spending several days ice-boating on Lake Nagawicka the young couple will make their home on Eighteenth street and North avenue. Mr. Maas is well known in the local trade and both have the best wishes of all for their future happiness.

The C. C. Pollworth Co. is shipping in some excellent carnations from its range. This firm reports trade good with plenty of all kinds of stock.

The Holton & Hunkel Co. is commencing to cut from its new crop of roses at Brown Deer and is sending in some very fine stock.

Louis Manos, of the Nohos Co., reports business good. He was kept busy last week with a large amount of funeral work.

Gust, Rusch & Co. report business good with plenty of stock to fill all orders.

GOLDFISH

"Something Alive in the Window"

Catches the public eye.

Order your supply now.
\$3.00 per 100 and up.

Write for catalog



AUBURNDALÉ GOLDFISH CO.
920 W. Randolph Street, CHICAGO

SEND TEN CENTS FOR A SAMPLE OF THE Ever-Ready Flower-Pot Cover.



Strong cardboard foundation. Best waterproof crepe paper, silk fibre ribbon-ties at top and bottom. Firmly held with improved metal fastenings. Furnished in four colors and made in many sizes. An Ever-Ready Flower Pot Cover around the old clay pot will increase the value of the plant considerably and add to your profits. Send 10c for a sample today.

Manufactured by the

EVER-READY FLOWER-POT COVER CO.
WM. H. GREVER, Manager
146 Hughes Avenue BUFFALO, N. Y.

WIETOR BROS.

Wholesale Growers of CUT FLOWERS

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

BOWLING SCORES.

G. Rusch	146	174	119
W. Schmitz	123	114	151
H. Schimmels	123	154	137
G. Kellner	133	154	137
G. Föld	131	175	153
W. Halliday	136	174	138
O. Eggebrecht	121	143	146
H. Heine	141	129	115
R. Preuss	157	143	134

G. R.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House
66 E. Randolph Street, Phone Central 1496. **CHICAGO**
Everything in Cut Flowers and Supplies.

BOXWOOD

Extra Fine, \$7.50 per case.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS
163-165 N. WABASH AVE. **CHICAGO**
 L. D. Phone Central 466

H. Wittbold

Wholesale Florists and
 Decorating Specialists.

Headquarters for

**Mexican Ivy,
 Wild Smilax**

and General Supplies.

OUR PRICES WILL SURPRISE YOU.

56 E. Randolph St., Chicago

Phones { Randolph 4708—Office.
 { Rogers Park 227—Nursery.

Mention the American Florist when writing

HOERBER BROS.

Wholesale **Cut Flowers**
 Growers of

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., **CHICAGO**

Mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. **CHICAGO**

Telephone, Central 3284.

Mention the American Florist when writing

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

Mention the American Florist when writing

Chicago Carnation Co.

Wholesale Florists,

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

Mention the American Florist when writing

J. A. BUDLONG

82-86 East Randolph Street, **CHICAGO.**

**ROSES, VALLEY
 and CARNATIONS**
A Specialty.....

**WHOLESALE
 Grower of**

CUT FLOWERS

E. C. AMLING CO.

THE LARGEST,
 BEST EQUIPPED,
 MOST CENTRALLY LOCATED
 WHOLESALE
 CUT FLOWER HOUSE
 IN CHICAGO.

**68-70 E. RANDOLPH STREET
 CHICAGO.**

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Feb. 26.		Per doz.
Roses, Beauty, specials.....		\$6 00
" " 36-in.....		5 00
" " 30-in.....		4 00
" " 28-in.....		3 00
" " 15-20-in.....	1 50@	2 00
" " 12-in.....		1 00
" " Short.....	\$6 00@	10 00
" Killarney.....	4 00@	12 00
" White Killarney.....	4 00@	12 00
" Richmond.....	4 00@	12 00
" Prince de Bulgarie.....	4 00@	15 00
" Radiance.....	4 00@	12 00
" My Maryland.....	4 00@	12 00
" Melody.....	4 00@	12 00
" Mrs. Jardine.....	4 00@	12 00
" Lady Hillingdon.....	4 00@	12 00
" Sunburst.....	4 00@	15 00
Carnations.....	1 00@	3 00
Daffodils.....		3 00
Cattleyas.....per doz.,	4 00@	6 00
Gardenias.....	2 00@	4 00
Jonquils.....		3 00
Lilium Harrisii.....		10 00
Narcissus, Paper White.....		3 00
Orchids, Dendrobium,per doz.,	5 00	
Romans.....	2 00@	3 00
Tulips.....	3 00@	4 00
Violets.....	50@	1 00
Valley.....	3 00@	4 00
Sweet Peas.....	75@	1 50
Adiantum Croweanum.....		1 00
Boxwood.....per lb.,	25	
Ferns.....per 1000,	2 00@	2 50
Galax.....	1 25	
Leucothoe.....		75
Mexican Ivy.....per 1000,	5 00@	6 00
Plumous Strings,each,	50@	60
Smilax.....per doz.,	1 50@	2 00
Sprengerii, Plumous Sprays.....	3 00@	4 00

ROSES

White and Pink Killarney and Richmond
 Roses. Red, White and Pink Carna-
 tions. Callas, Sweet Peas, and
 Greens of all kinds.

W. E. Trimble Greenhouse Co.
Princeton, Ill.

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
 Killarney and White Killarney roses. All
 orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

**Wire Designs and Wholesale
 Florists' Supplies**

Write for Our New Catalog

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing



C.C. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and **Greens**

St. Patrick's Carnation Fluid.

For Coloring Carnations Green.

Per Qt., \$1.00 Per Pint, 50c

GEO. H. ANGERMUELLER

Wholesale Florist

1324 Pine St., St. Louis, Mo.

Philadelphia.

BUSINESS DULL.

Business appears to have fallen off considerably since St. Valentine's day, trade being reported dull all around. There were some good funeral orders which called for choice stock, but the transient trade, which generally keeps things moving, was very light. There does not appear to be an abundance of stock about, and while prices have softened a little, the market cleans up at fair prices. The very large shipping trade worked up by the commission men helps to keep down the surplus and the open mild weather has encouraged the street men to stock up, so that they are also quite a factor. The quality of the stock offered is excellent. American Beauty roses are a trifle more plentiful, but prices are firm. Extra fine Killarneys are seen. Among the fancy roses, Melody, Hillingdon and Sunburst are the leaders, being always in good demand. Carnations are now at their best, but on account of the light demand prices are low. Bulbous stock is offered in variety and quantity. Southern daffodils have made their appearance and will be a factor while they last. This is the earliest date at which they have ever been offered. Violets are ahead of the demand. Valley holds to a fair price. Cattleyas are not quite so plentiful. Gardenias are in good demand. Easter and calla lilies are in rather full supply.

NOTES.

Wm. A. Leonard of Lansdowne is the first grower to try retailing by parcel post. Large advertisements in the evening papers announced that he would deliver fresh stock at about half store prices by that method. This experiment will be watched with interest by the trade.

The M. Rice Co.'s Easter baskets are the latest word in this line. Their iridescent effects make them suitable for almost any colored flower. Porto Rico mats in fancy weaves in all hues of the rainbow are seen in great variety at this place.

Edward Reid is handling some extra fine Hudson river violets. They come done up, 100 to a bunch. Exceptionally fine carnations are also a feature here.

At Berger Bros.' central market fine sweet peas are a leader. Violets and all kinds of bulbous stock are handled in quantity.

That some growers are satisfied with the market and their returns is seen

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245.

P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Feb. 26.		Per 100
Roses, Beauty, extra.....	50 00@60 00	
" first.....	20 00@35 00	
" Brides and Maids.....	6 00@12 00	
" Killarney.....	6 00@15 00	
" White Killarney.....	6 00@15 00	
" Liberty.....	6 00@15 00	
Carnations.....	3 00@ 5 00	
Cattleyas.....	35 00@50 00	
Daffodils.....	2 50@ 3 00	
Freeseas.....	3 00@ 6 00	
Gardenias..... per doz., 1 50@ 3 00		
Lilium Harrisii.....	10 00@12 00	
Lily of the Valley.....	3 00@ 5 00	
Calla Lilies.....	12 50@16 00	
Marguerites.....	1 50@ 3 00	
Snaptagons.....	15 00@25 00	
Sweet Peas.....	75@ 1 50	
Violets, single.....	75@ 1 00	
" double.....	75@ 1 00	
Adiantum.....	75@ 1 00	
Asparagus..... per bunch, 50		
Tulips.....	2 00@ 4 00	
PITTSBURG, Feb. 26.		Per 100
Roses, Beauty, special.....	50 00	
" extra.....	30 00	
" No. 1.....	15 00	
" Killarney.....	3 00@10 00	
" My Maryland.....	3 00@10 00	
" Richmond.....	3 00@10 00	
Carnations.....	3 00	
Calla Lilies.....	12 00	
Freeseas.....	3 00	
Gardenias.....	3 00	
Daisies.....	2 00	
Cattleyas.....	50 00	
Violets.....	50@ 75	
Sweet Peas.....	75@ 1 00	
Lilium Longiflorum.....	12 00	
Lilium Rubrum.....	8 00	
Lily of the Valley.....	4 00	
Daffodils.....	3 00	
Tulips.....	3 00	
Paper White.....	3 00	
Romans.....	2 00	
Poeticus Narcissus.....	1 00	
Sweet Alyssum.....	20c	
Baby Primroses.....	50	
Oncidiums.....	4 00	
Adiantum.....	1 25	
Lilac..... per bunch, \$1 25		
Asparagus Sprengeri, per bunch, 35@40		
Sprengeri, per bunch, 35@40		
MILWAUKEE, Feb. 26.		Per 100
Roses, Beauty, per doz., 2 00@5 00		
" White and Pink Killarney, 5 00@12 00		
" Richmond.....	5 00@12 00	
Carnations.....	1 50@ 3 00	
Callas..... per doz., 1 50		
Lilium Giganteum, per doz., 1 50@ 2 00		
Lily of the Valley.....	3 00	
Sweet Peas.....	1 00@ 1 50	
Tulips.....	2 00@ 3 00	
Trumpet.....	3 00@ 4 00	
Paper White.....	2 00@ 3 00	
Violets, Wisconsin grown, 50		
Asparagus..... per string, 75@ 1 00		
Sprengeri, per bunch, 35		
Ferns, common.....	2 00	
Galax..... per 1000, \$1 50		

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.

1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

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1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
doth L. D. Phones.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

Per 1000
Dagger Ferns, \$1.50
Fancy Ferns, 2.00

THE LEO NIESSEN CO.,

¶ You cannot find a better grade of ferns anywhere. Regardless of the price you are paying, we invite you to make comparison with others. Why pay more than the price we are quoting?

Wholesale Florists,
 N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
 Lickrun, Cincinnati, Ohio

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
 Pittsburgh, Pa.

Edward Reid

WHOLESALE FLORIST,
1619-21 RANSTEAD ST., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

in the expansion that is going on. John Burton is erecting a house 50x280 feet for American Beauty roses. Myers & Samtman are adding an addition of 55x300 feet; J. R. Andre one of 55x275 feet; Dale & Yost a range of three houses 62x120 feet; A. Doemling is adding a large house of material furnished by the Foley Mfg. Co., Chicago.

H. S. Betts will open a retail store at Lehigh avenue and Eleventh street. Mr. Betts has been for a long time with the H. A. Dreer Co. at Riverton, N. J. He is well versed in the business. Landscape work will also be a feature of his business.

Godfrey Aschmann is a busy man these days. His stock looks fine and he says that orders are coming in for Easter in a way that shows the dealers expect a very busy time.

The publicity meeting has been a live topic the past week. It is hoped that much good will come of the movement. Fine snapdragon in quantity and carnations by the thousand are the headlines of the Leo Niessen Co.

Charles E. Meehan and wife are on a vacation trip to inspect the Panama canal.

Minneapolis.

The Twin City trade is becoming very active in convention matters and as soon as the board of directors sounds the gun everyone will be off in a jump. The Civic and Commerce Association has offered its assistance toward raising any necessary funds or in arranging entertainment.

The next meeting of the Minneapolis Florists' Club will be held Tuesday evening, March 4, at Donaldson's Greenhouses, Thirty-fifth street and Portland avenue. Some good exhibits are expected.

S. A. J.

SEATTLE, WASH.—The following officers were elected at the annual meeting of the Seattle Garden Club: Herman Chapin, president; T. L. Quigley, first vice-president; A. J. Park, second vice-president; H. L. Glenn, secretary; A. H. Soelberg, treasurer.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, Feb. 26.		
Roses, Beauty, special.....per doz.,	\$6 00	
" " fancy.....per doz.,	5 00	
" " extra.....per doz.,	3 00	
" " No. 1.....per doz.,	2 00	
" " No. 2.....per doz.,	50@ 75	
" " Maid and Bride.....per 100	5 00@ 6 00	
" " Pink Killarney.....per 100	5 00@ 12 00	
" " White Killarney.....per 100	5 00@ 12 00	
" " Richmond.....per 100	5 00@ 12 00	
" " My Maryland.....per 100	5 00@ 12 00	
" " Aaron Ward.....per 100	5 00@ 10 00	
Carnations.....per 100	2 00@ 3 00	
Lilium Longiflorum.....per 100	10 00@ 12 00	
Lily of the Valley.....per 100	3 00@ 4 00	
Pink Japan Lily.....per 100	3 00@ 5 00	
Narcissus.....per 100	2 00@ 3 00	
Jonquils.....per 100	2 00@ 3 00	
Violets.....per 100	50@ 60	
Mignonette.....per 100	3 00@ 6 00	
Daisies.....per 100	1 00@ 1 50	
Adiantum Croweanum.....per 100	75@ 1 50	
Asparagus, per bunch.....35@	50	
Asparagus, Sprengeri.....35@	50	
Ferns.....per 1000, \$2 00		
Galax.....per 1000, \$1 50		
Smilax.....per 1000, \$1 50		

BOSTON, Feb. 26.		
Roses, Beauty, best.....per 100	35 00@50 00	
" " medium.....per 100	18 00@25 00	
" " culls.....per 100	4 00	
" " White and Pink Killarney.....per 100	2 00@ 6 00	
" " Extra.....per 100	6 00@10 00	
" " Taft.....per 100	4 00@10 00	
" " Cardinal.....per 100	2 00@10 00	
" " Ward and Hillingdon.....per 100	2 00@ 8 00	
" " Killarney and Richmond.....per 100	2 00@ 8 00	
" " My Maryland.....per 100	2 00@ 8 00	
Carnations, select.....per 100	2 00@ 3 00	
Callas.....per 100	8 00@12 00	
Cattleyas.....per 100	25 00@40 00	
Gardenias.....per 100	12 00@25 00	
Lilium Longiflorum.....per 100	8 00@10 00	
Lily of the Valley.....per 100	2 00@ 4 00	
Sweet Peas.....per 100	50@ 75	
Smilax.....per 100	12 00@16 00	
Violets, single.....per 100	35@ 75	
" " double.....per 100	25@ 50	

CINCINNATI, Feb. 26.		
Roses, Beauty.....per doz.,	\$1 00@ \$4 00	
" " Bride, Bridesmaid.....per 100	3 00@ 8 00	
" " Killarney.....per 100	3 00@ 8 00	
" " My Maryland.....per 100	3 00@ 8 00	
" " Perle.....per 100	3 00@ 8 00	
" " Richmond.....per 100	3 00@ 8 00	
" " Taft.....per 100	3 00@ 8 00	
Carnations.....per 100	2 00@ 4 00	
Callas.....per 100	12 50@15 00	
Lilium Giganteum.....per 100	12 50@15 00	
Lily of the Valley.....per 100	3 00@ 4 00	
Orchids.....per doz.,	4 00@ 6 00	
Narcissus.....per 100	2 00@ 3 00	
Tulips.....per 100	2 00@ 4 00	
Jonquils.....per 100	2 00@ 3 00	
Dutch Hyacinths.....per 100	3 00@ 4 00	
Roman Hyacinths.....per 100	2 00@ 3 00	
Violets.....per 100	50@ 1 00	
" " double.....per 100	50@ 75	
Freerias.....per 100	2 00@ 3 00	
Sweet Peas.....per 100	35@ 1 00	
Adiantum.....per 100	75@ 1 00	
Asparagus Plumosus.....per bunch,	25	
Asparagus Sprengeri.....per bunch,	25	



Give us a
 Trial
 We Can
 Please You.

Roses, Carnations and all kinds of
 Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
 Commission Florists,
BUFFALO, N. Y.
 Florists' Supplies and Wire Designs.

—THE— J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

**Jobbers of FLORISTS' SUPPLIES,
 SEEDS and BULBS.**

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

St. Louis, Feb. 26.		
Roses, Beauty, long.....per doz.,	4 00	
Roses, Beauty, medium.....per doz.,	8 00@15 00	
Roses, Beauty, short stems.....per doz.,	3 00@ 6 00	
" " Killarney.....per 100	5 00@10 00	
" " My Maryland.....per 100	5 00@10 00	
" " White Killarney.....per 100	5 00@10 00	
Carnations.....per 100	2 00@ 3 00	
Easter Lilies.....per 100	10 00@12 50	
Lilium Rubrum.....per 100	8 00	
Valley.....per 100	4 00	
Violets.....per 100	40@ 60	
Asparagus Sprengeri.....per 100	2 00@ 3 00	
Asparagus Plumosus, per bu.,	35@60	
Ferns, New, Fancy.....per 100	1 75	

New York.

BUSINESS UNSATISFACTORY.

Business is very unsatisfactory in all branches of the trade. In the past it has been said that after the first week of Lent business usually improved, but for this year there has been no improvement thus far. The market is well stocked with roses, carnations, orchids, gardenias and a great variety of bulbous stock, but all move very slowly at reduced prices. In the great financial centers there seems to be a feeling of doubt and uncertainty relating to the future. Such a condition always has a depressing effect on the flower trade. There is much fine bulbous stock on the market at the present time and leading retailers are using it for display purposes with fine effects.

Monday, February 24.—The condition of business is far from satisfactory. There is a large amount of stock on the market, but it moves slowly. American Beauty roses are not plentiful, but the demand is limited; there is almost a surplus of tea roses and the same may be said of carnations and bulbous stocks. The violet market is in bad shape.

John Young, secretary of the S. A. F., was operated on February 23, in Roosevelt hospital for a carbuncle on his neck. He is resting comfortably.

GREEK-AMERICAN BALL.

A notable social event of the past week was the ball of the Greek-American Florists' Association at Terrace Garden on the night of February 20. This was the sixth annual ball of the association and was a very successful affair. The various committees were composed of well-known men of the association. The hall was beautifully decorated with garlands of laurel, southern smilax and bunting. While the Greek flag was very noticeable, the Stars and Stripes were even more prominent, showing that our Greek fellow-citizens are withal good Americans. The decorations were arranged by N. Lales, Geo. D. Nicholas, D. J. Pappas, N. Christatos and C. A. Bird. Previous to the dancing there was a fine exhibition of moving pictures depicting interesting scenes in the late Balkan war, in which it is well known the Greeks took a prominent part. There were excellent musical selections, notable being songs by Mrs. Riedel, wife of Harry Riedel of the firm of Badgley, Riedel & Myer. Prominent among the American florists present were Walter F. Sheridan, Chas. Schenck, M. C. Ford, P. J. Smith, Jos. Fenrich, Wm. Ford, A. J. Guttman, Harry Riedel, Anton Schultheis, Jr., Geo. Dreyer, P. Gerlaid, Dan Sullivan and Geo. Siebrecht. The following comprise the officers and committee of arrangement: N. Lales, president; Jas. Carlaftes, vice-president; J. J. Fellouris, secretary; D. J. Pappas, treasurer; Geo. Michinicos, assistant secretary. Board of Directors—J. Tryforos, J. Andriopoulos, C. Cardasis, A. Demetracopoulos, N. Christatos, J. Soteriades, J. S. Nicholas, N. Lecakes, J. Doganges. Committee of Arrangements—Jas. G. Carlaftes, chairman; John Tryforos, Th. Cardasis, P. Velotas, G. Polykranas, G. Rontires, J. Doganges.

NOTES.

The Horticultural Society of New York held an exhibition February 22 in the American Museum of Natural History, Central Park West and Seventy-seventh street. The exhibitions of this society are always interesting events and as we see it are productive of much benefit to the trade in general, for at each one there is always a new or novel production to be seen. A feature at this show was the Cali-

Announcement.

The wholesale flower business formerly known as SIEBRECHT & SIEBRECHT, will hereafter be conducted by

George C. Siebrecht

109 West 28th St.,

Phones: 608-609 Madison Square

NEW YORK

The same address but under better management, a larger supply, and better facilities than ever.
Consignment of Quality Stock Solicited.

Announcement!

Owing to the numerous inquiries we wish to state that our new **Crimson Carnation**

PRINCESS DAGMAR

will be disseminated next season, 1913-1914.

We are booking orders now at \$12.00 per 100; \$100.00 per 1000.

Princess Dagmar will be exhibited at the National Show in New York.

PATTEN & CO., Tewksbury, Mass.

fornia carnation, exhibited by P. W. Popp, gardener to H. Darlington, Mamaroneck, N. Y. It was awarded a special prize. Lager & Hurrell, Summit, N. J., received a silver medal for orchid Lycate Skennerii Alba. Cottage Gardens Co., Queens, N. Y., silver medal for 100 white carnations Matchless. S. Untermeyer, Yonkers, N. Y., (W. H. Waite, superintendent), special prize, for white dendrobiums. L. A. Havermeyer, Glen Head, N. Y., exhibited fine specimens of Easter lilies in pots. Miss C. A. Bliss, New Canaan, Conn. (Jas. Burns, gardener), 18 variegated carnations, first prize. A. N. Pierson, Inc., Cromwell, Conn., vase of rose Milady, silver medal. James D. Cockcroft, Northport, N. Y., 50 carnations Lawson shade, first prize with "Northport." Mrs. J. Hood Wright, New York City, scarlet carnations, first prize. A. Lewisohn, Ardsley, N. Y. (John Canning, gardener), vase 18 Dorothy Gordon, first prize; also first for 18 White Enchantress carnations. Wm. Ziegler, Jr., Noroton, Conn., vase of freesias, Fischer's Purity, first prize. Wm. R. Seymour, New York, vase of white seedling carnations, certificate of merit.

Charles Millang has been in court for several days during the past week. He is prosecuting a case against the city of New York for \$25,000 damages for serious injuries he received some time ago while running his automobile through a defective street.

Young & Nugent have been very busy of late with funeral orders. They

made up about 30 designs February 22, most of them being of large size. In addition their decoration and counter trade is constantly increasing.

The partnership of Siebrecht & Siebrecht, has been dissolved. Walter Siebrecht, formerly a member of that firm, has located in the storeroom of George Saltford, Inc., 129 West Twenty-eighth street.

Anton Schultheis, Jr., of College Point, is a daily visitor among the leading retail stores. His big automobile loaded with fine flowering plants is one of the features in the trade.

Alfred H. Langjahr, the well-known wholesaler, has had a severe attack of rheumatism, but we are glad to state that he is again so far recovered as to be at his store.

William Plumb, a florist well known in this city, is now located at Bound Brook, N. J., but frequently calls on his old friends.

Joseph Voek, salesman for Wm. H. Siebrecht in the Coogan building, is now handling a fine line of cut acacias.

John Young, secretary of the S. A. F., went to a hospital on February 23 for treatment for a carbuncle on his neck.

A flower market for Union Square is one of the improvements planned by the Central Mercantile Association.

The sudden death of A. Moltz has brought forth many expressions of regret in the wholesale district.

A. F. F.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.



PERCY B. RIGBY, Treasurer.

Everything in supplies.

GEORGE C. SIEBRECHT,

WHOLESALE FLORISTS,

109 West 28th St., NEW YORK.

Phones 608-609 Madison Square.

Lily of the Valley, Gardenias, Orchids, Violets, a Specialty.

Boston.**FLOWER MARKET GLUTTED.**

There is no use pretending about the market conditions. There is a glut, and a bad one. There is everything in flowers one could wish and the quality as a general rule is good. Whether it is Lent or the beginning of a general retrenchment of the public it is hard to state. Accompanied by the change of administration, which may be giving the moneyed interests the shakes to know what is going to happen. The general trade reports, "outside of the florist business," show a somewhat drawing in. Outside of the contracts that have been let previously, there seems to be a marked degree of caution. On the face of all this some of the florists are gaily talking of adding more glass. Whether this is a wise policy, in the face of the foregoing, time alone can tell. The past week we have had winter and spring intermixed, with a thunder storm Saturday night, February 22.

At the meeting of the Boston Gardeners and Florists February 18 President Kennedy proposed to have classes in salesmanship and decorative floral art. It was left to the consideration of the club. A first-class salesman is a jewel and if they can be made, President Kennedy will have the plaudits of the trade in general. And from the business point of view we need some more knowledge of making up and decoration. I don't mean the professional, but the general run of the trade at large. Mac.

Pittsburg.**SUPPLY AND DEMAND GOOD.**

This week finds us with many more flowers on hand than usual, particularly carnations. Since the last week many unexpected crops came on, but the demand was good, and we cleaned up very nicely, much better than was expected. Roses are still scarce while lilies are also rather short. Sweet peas are now coming in much stronger, which has reduced the prices somewhat. Romans are not seen much any more and American Beauties are still out of sight. Tulips and Daffodils are in their height, but narcissi are gradually becoming scarcer. Greens of all kinds are scarce and much more could be used. The weather has turned a little colder.

NOTES.

President elect McCallum of the Florists' Club will be interesting enough to bring out every member during his term of office. He has some new and novel features planned for each meeting. For the next meeting, March 4, he has arranged for Otto E. Jennings, president of the Botanical Society of Pennsylvania, to deliver a lantern slide lecture, choosing as his subject, "Along the North Shores of Lake Superior with the Botanist." It goes without saying that Mr. Jennings will handle this subject in an interesting style. He also has a lot of interesting information regarding wild animals in this section, that will appeal to any interested in hunting. He also expects to have some new carnations on exhibition.

Wednesday night the boys of the McCallum Co., and Pittsburgh Cut Flower Co., got together and held a

LARGE DOUBLE**VIOLETS****F. R. SNYDER, Violet Grower.****EXTRA FINE PICK FOR EASTER.
WRITE FOR PRICES.****RHINEBECK, N. Y.****Guttman Flower Growers Co.**

A. J. GUTTMAN, President.

Wholesale Florists

55 W. 26th St., NEW YORK

Phone 1912 and 7983 Madison Square.

18 Years Experience.

Wholesale Flower Markets

	NEW YORK, Feb. 26.	Per 100
Roses, Beauty, special.....	40 00@40 00	
" " extra and fancy	30 00@35 00	
" " No. 1 and No. 2.....	2 00@15 00	
" " Bride, Bridesmaid special.....	5 00@ 8 00	
" " extra and fancy.....	3 00@ 4 00	
" " No. 1 and No. 2.....	1 00@ 3 00	
" " Killarney, My Maryland.....		
" " special.....	8 00@10 00	
" " extra.....	4 00@ 6 00	
" " No. 1 and No. 2.....	2 00@ 4 00	
" " Queen, special.....	10 00@12 00	
" " Red, special.....	10 00@12 00	
" " Hillingdon, Aaron Ward.....	10 00@12 00	
" " Richmond.....	8 00@12 00	
" " Sunburst, special.....	6 00@15 00	
" " Taft, special.....	12 30@15 00	
" " Mrs. Geo. Sawyer, special.....	15 00@20 00	
Carnations.....	1 00@ 3 00	
Jonquils.....	1 00@ 2 00	
Cattleyas.....	20 00@35 00	
Gardenias.....	10 00@30 00	
Tulips.....	1 00@ 2 00	
Lilies, Longiflorum and Harrisii.....	6 00@ 8 00	
L. Rubrum.....	10 00	
Lily of the Valley.....	2 00@ 3 00	
Narcissus, Paper White.....	1 00@ 1 50	
Sweet Peas, per doz. bunches.....	50@1 00	
Violets.....	20@ 40	
Adiantum Croweanum.....	15@ 50	
Asparagus Plumosus, doz. bchs.....	1 50@ 3 00	
Smilax.....per doz. strings.....	1 00@ 1 25	
Lilac.....per bunch, 25@75c		
Freesias, per doz. bun.....	1 50@2 00	

match game of duckpins with the following result:

	McCallum Co.	
Spitzner.....	118	96-105
G. McCallum.....	79	105-98
McFarland.....	76	84-78
Neigel.....	98	81-85
Sisley.....	80	68-81

449-434-447

	Pittsburgh Cut Flower Co.	
Laughlin.....	75	69-73
Gerwig.....	89	105-112
Gottl.....	75	104-109
Ashcroft.....	78	91-85
Colligan.....	95	84-108

412-439-487

Tuesday the stars of both teams will travel to Sheridan and play the crack team of that place. The victors of Wednesday's game will roll with the A. W. Smith Co. team Thursday night at the club alleys.

R. J. Daschbach and G. P. Weaklen have just returned from a trip east, where they have purchased some Easter plants.

Lorch & Hoffmeister are preparing to move from their Smithfield street location to Fourth avenue.

Visitors: Max Schriber, McDonald, Pa.; Geo. L. Huseroft, Steubenville, O.; I. V. Kinder, Charleroi, Pa.; Jos.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 28th Street,

Telephone No. 756
Madison Square,

NEW YORK

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

N. Y. Cut Flower ExchangeCoogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.**HORACE E. FROMENT**

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St., NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.**Paul Meconi**

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Thomas, Greensburg, Pa.; M. J. Alexander with Lion & Co., New York; M. Reukauf with H. Bayersdorfer, Philadelphia, Pa.; W. L. Hampton with J. G. Neidenger, Philadelphia, Pa.

M. RICE CO.

HEADQUARTERS FOR UP-TO-DATE EASTER SUPPLIES AND RIBBONS.

Write for our Easter Folder

1220 Race Street

Try the New Mail Order Department of The House That Never Disappoints.

PHILADELPHIA, PA

St. Louis.

ROSES MORE PLENTIFUL.

Notwithstanding the Lenten season trade has held up fairly well. Carnations in good quality are bringing two to three cents; splits and inferior grades at your own price. Roses are more plentiful, especially American Beauties. A good supply of callas and Harrisii lilies are seen. Sweet peas are increasing in quantity and prices on these and violets are considerably lower. Many of the stores, even apart from the downtown stores, are having special sales.

NOTES.

Foster, the Florist, reports the death of his father, who lived in Scotland, during the past week. Mr. Foster's store on Kings Highway and Delmar avenue will be extended. The basement will be fitted up as a palm garden where ice cream and soft drinks will be served.

Henry Duernberg has left for the East to obtain ideas and novelties for Easter decorations before taking up a position with a prominent florist here. He was formerly with Grimm & Gorly.

Ostertag Bros. had the decorations at the Fred Garden reception for Gov. Major at the St. Louis Club. Mountain laurel, grey moss and American Beauty roses were used in the decorations.

Grimm & Gorly's new team has arrived in the city. They are a very old looking couple and cause quite a sensation getting in the way of automobiles and street cars.

The Wm. C. Smith Wholesale Floral Co. has an endless supply of violets and sweet peas and a fine stock of home grown roses and carnations.

A. N. May, Kirkwood, had a fire at his residence Monday morning and was entirely burned out. His greenhouses were uninjured.

C. A. Kuehn had a splendid stock in sweet peas, 15-inch stems and big flowers, also the finest lily of the valley and bulbous stock.

The Windler Wholesale Floral Co. is well supplied daily with fine grade carnations, lilies of the valley, violets and sweet peas.

George H. Angermueller has a fine supply of roses and his supply department is one of the best in the trade.

Andrew Meyer, Jr., will have a fine supply of American Beauty rose plants which will be right for Easter.

Alexander Waldbart & Sons are very busy and expect a large amount of outside landscape work this spring.

C. Young & Son have a fine assortment of blooming plants. They expect a big crop for Easter.

The Diemer Floral Co. is always busy. Funeral work is never slack with this firm apparently.

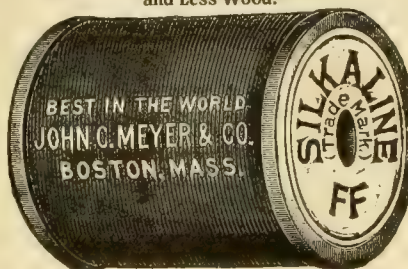
The Oakland Floral Co., Oakland, is bringing into this market some good narcissus poeticus.

Samuel Seligman, with Wertheimer Bros., New York, is in the city and reports trade good.

Al. Gumz, secretary of the Windler Wholesale Floral Co., has been ill at home since Friday.

H. G. Berning's supply of American Beauty roses and carnations are daily disposed of.

Do Not Take Any Fake Green Thread. Use the Genuine Silkline and Get More Thread and Less Wood.



JOHN C. MEYER & CO.,

Lowell Thread Mills,
1495 Middlesex St.,

Lowell, Mass.

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze, Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

BOTANIC GREEN

Color Your Cut Flowers
for St. Patrick's Day

Price, 50c a Package

Also a full line of other colors

Orange Chemical Co.

Dept. F. EAST ORANGE, N. J.

Mention the American Florist when writing

Chas. Holzborn is in the market with some fine azalea plants.

Mrs. — Richter is cutting some nice violets and sweet peas.

Joe Hauser is in with sweet violets and fancy sweet peas.

Mrs. M. L. Pelletier is doing a nice trade.

W. F.

Rochester, N. Y.

At the New York state fair exhibit of Jas. Vick's Sons last September, George Arnold put a little formalin in the water used for holding the cut flowers. This he found a great aid in keeping the water fresh and clear. This is a discovery well worth the attention of florists.

Dick Salter says that considering the uneconomic way in which florists run their business it can't pay. Still we see that Salter Bros. are in business and running the largest retail store in town.

Phil. Gross is working for Will Galintine this winter. Next summer he and his brother Otto are going quite extensively into the raising of asters for cut flowers.

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

Mention the American Florist when writing

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50

A most pleasing substitute for Green Wild Smilax
New crop Fancy and Dagger Ferns now ready.

Write, wire or phone.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN,

ALABAMA

Mention the American Florist when writing

CUT FERNS, Best Quality

1,000 at \$1.35;
2,000 at \$2.60;
5,000 or over \$1.20 per 1000

Robert Groves, 127 Commercial St.
ADAMS, MASS.

The Rochester Florists' Association will visit the Buffalo Association Thursday night, February 27.

W. H. Dildine of James Vick's Sons has been purchasing horses. He now has nine teams.

H. J. Head will soon be back at H. E. Wilson's.

H. J. H.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

DULUTH, MINN. 

2 STORES 2

 SUPERIOR, WIS.**J. J. LEBORIUS**

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave.. Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.

Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Terre Haute, Ind:

John G. Heini & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail,
Telephone, Telegraph and Cable orders with
best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago.

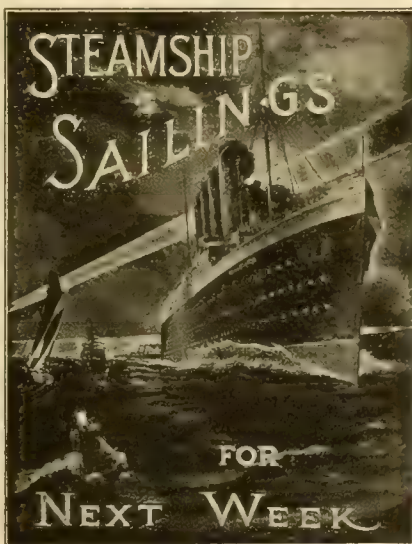
Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.

Mention the American Florist when writing



FROM NEW YORK EXCEPT AS NOTED.

February 25.

New Amsterdam, Holland America, 10 a. m.
Hyades, Houston.
Eastern Prince, Prince.

February 26.

Lusitania, Cunard.
Finland, Red Star, 10 a. m., Pier 61, North
River.
FROM PHILADELPHIA, Graf: Waldersee,
Ham.-Amer., 11 a. m.

February 27.

France, French, 10 a. m., Pier 57, North
River.
Uranium, Uranium.
President Grant, Ham.-Amer., 12 noon.
United States, Scand.-Amer., 2 p. m.

February 28.

FROM ST. JOHN, Tunisian, Allan.
FROM PHILADELPHIA, Monitor, Red Star,
10 a. m.

March 1.

FROM HALIFAX, Tunisian, Allan.
Columbia, Anchor, 1 p. m., Pier 64, North
River.
Carmania, Cunard.
New York American, 9:30 a. m., Pier 62, North
River.
FROM PORTLAND, Tentonic, White Star, 10
a. m.
Princess Irene, North Ger. Lloyd, 11 a. m.
San Juan, Porto Rico.
Tagus, Royal Mail, Pier 42, North River.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to
any part of the United States, Canada
and all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Reference or Cash must accompany all orders
from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

Memphis, Tenn.

HAISCH'S

Madison and Main Streets

L. D. Phone 726

All orders will be filled carefully and promptly del-
ivered in Memphis and all other Tennessee cities.

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater
orders. Prompt delivery and best
stock in the market.

Dallas, Texas.

**The Texas Seed and
Floral Company**

Orders for cut flowers and designs solicited for
delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

**GEO. H. COOKE
FLORIST**

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

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Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

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Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Boston, Mass.



"Penn, The Telegraph Florist"

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Omaha, Neb.

Hess & Swoboda FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and 1582

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Carbone, Phillip L., Boston.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Haisch's, Memphis, Tenn.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Hoffman, 69 Mass Ave., Boston.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Ostertag Bros., St. Louis.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Parker, John L., Birmingham, Ala.
Pellicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saates, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Shaffer, Geo., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Williams, Mrs. E. A., Pittsburg.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery
Mention the American Florist when writing



WASHINGTON D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

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Samuel Murray,

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All Orders Given Prompt and Careful Attention

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241 Massachusetts Avenue.

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"The Saltford Flower Shop."

Vassar College and Bennett School.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Mention the American Florist when writing

M. C. Rowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America. Established 1874. Incorporated 1909.

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Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE

Montreal

McKenna

Cor. St. Catherine and Gay Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Vaseys always on hand.

FLOWER COLORS

Use our Color Chart in describing them.

PRICE, \$1.00, POSTPAID.

AMERICAN FLORIST CO.

440 South Dearborn Street, CHICAGO

Boston, Mass.

Send flower orders for delivery in

Boston and all New England Points

To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.

Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

City Index to Retail Florists'

Filling Telegraph Orders.

Albany, N. Y.—Eyres, 11 N. Pearl St.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Birmingham, Ala.—John L. Parker.
Boston—Phillip L. Carbone.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City.—Geo. M. Kellogg, F. & P. Co.
Kansas City.—Samuel Murray.
Kansas City.—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles.—Wolfskill Bros. & M. Goldenson.
Memphis, Tenn.—Haisch's.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio.—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburg—Mrs. E. A. Williams.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—Ostertag Bros.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archbas Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Heintz & Son.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 90 Yonge St.
Washington—Blackstone.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.

Jefferson and Washington Ave.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in Wisconsin

Michigan.

Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of
GEORGE ASMUS, Mgr.
Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 508. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heini)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Cincinnati.

WEEK'S TRADE ONLY FAIR.

Last week's business may at the best be characterized as merely fair. The opening showed a very active demand that gradually fell off as the week progressed. During the same time the supply was on the increase. Only stock of a high quality found a good market. The average price was not very high. The supply of both tea roses and American Beauties is large. The latter are very fine but in order to move all of them some must be sold at a sacrifice. The other roses seem to just about clean up. The carnation supply is still large and contains the usual quota of split stock. The Pink and Red Enchantress are selling better than white ones. The quality of the present receipts of bulbous stock is much better than a fortnight ago. Practically all of the offerings are longer and cleaner than they were at that time. The list includes jonquils, daffodils, tulips, dutch hyacinths and freesias. For the first time in many weeks there is a surplus of lilies and callas. The offerings are much larger than the call for them. Most all of the stock is of excellent quality. Some very fine snapdragons are to be had. The good sweet peas sell nicely, while the poor ones and short ones do not find any market. There is very little call for violets, lily of the valley, orchids and the like. The green goods supply is adequate.

NOTES.

The Bloonhurst Floral Co. of Lockland has been sending large cuts of Killarney roses to the Cincinnati Cut Flower Exchange.

Peter Weiland is getting in some exceptionally fine jonquils and daffodils from his plant at New Castle, Ind.

C. E. Critchell has been getting large shipments of outdoor jonquils from the south.

The J. M. McCullough's Sons Co. has been getting some very excellent Harriissii lilies.

Visitors; Jos. Hill and Fred Lemon, Richmond, Ind. H.

SAN FRANCISCO, CALIF.—One hundred and ten persons attended the fourth annual banquet of the Pacific Coast Horticultural Society February 15. President William Kentwell acted as toastmaster and the speakers were Angelo Rossi, H. Plath and Charles A. Vogelsang.

POINT PLEASANT, W. VA.—The West Virginia Horticultural Society, a new organization, has been granted a state charter. The incorporators are Alexander Clohan, J. R. Catron, W. B. Lingamfelter and C. M. Siebert, of Martinsburg; W. H. Alderman and A. L. Dacco, of Morgantown; H. H. Huffman, of Keizer, and Michael Schwartzwalder of this city.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gift, Pleasant Hill, Mo. that may be entrusted to them

Louisville, Ky.

F. Walker & Co.,
FLORISTS

Phones: Home 1388. Cumb. Main 1388A.

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Mention the American Florist when writing

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
CANAL ST.

Mention the American Florist when writing

Washington, D. C.

Blackstone

14th and H. Street.

Mention the American Florist when writing

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.

Mention the American Florist when writing

Boston, Mass.

Philip L. Carbone

IMPORTER, FLORIST, AND DECORATOR

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

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Newark, Ohio.

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

"Get them at Dreer's"

TUBEROUS-ROOTED BEGONIAS

GLOXINIAS

FANCY-LEAVED CALADIUMS

OUR USUAL SUPERIOR STRAIN. YOU CAN BUY CHEAPER, BUT NOT BETTER STOCK.

BEGONIAS

Single in Separate Colors. Scarlet, crimson, rose, white, yellow and orange. 40c. per doz., \$2.50 per 100, \$22.50 per 1000.

Single in Choicest Mixture. 35c per doz., \$2.25 per 100, \$20.00 per 1000.

Double in Separate Colors. Scarlet, rose, white and yellow. 60c. per doz., \$4.50 per 100, \$40.00 per 1000.

Double in Choicest Mixture. 50c per doz., \$4.00 per 100, \$35.00 per 1000.

Dwarf Hybrid Lafayette. Brilliant crimson scarlet. \$1.50 per doz., \$10.00 per 100.

Dwarf Hybrid Duke Zeppelin. Pure rich scarlet. \$1.00 per doz., \$7.00 per 100.

CALADIUMS, Fancy-Leaved

The finest collection ever offered, and the most extensive stock in America.

Choice Standard Varieties. \$1.75 per doz., \$12.00 per 100, \$100.00 per 1000.

Choice Rare and New Varieties. \$2.25 per doz., \$15.00 per 100, \$140.00 per 1000.

Recent Introductions. \$3.50 per doz., \$25 per 100.

Choicest Mixture. \$1.50 per doz., \$10.00 per 100, \$95.00 per 1000.

GLOXINIAS

Dreer's Superb in Choicest Mixture or in Separate Colors. As blue, red, white, red with white edge and blue with white edge. 60c per doz., \$3.50 per 100; \$30.00 per 1000.



HENRY A. DREER, Inc., 714 Chestnut Street, PHILADELPHIA, PA.

THE ABOVE PRICES ARE INTENDED FOR THE TRADE ONLY.

50,000 SHAMROCKS

True Irish Shamrocks in 1½ and 1-in. toy pots. These are the finest I ever had. Price \$4 per 100; \$35 per 1000. Cash with order.

LEONARD COUSINS, Jr.,

Concord Junction, - Massachusetts

Mention the American Florist when writing

J. E. MEREDITH, Pres. C. W. STOUT, Sec'y

The Meredith Flower and Vegetable Co.

LIBERTYVILLE :: ILLINOIS

Mention the American Florist when writing

PALMS.

Each.
Kentia Forsteriana, 4-in. pots, 12 to 15 in. 18c
Kentia Belmoreana, 4-in. pots, 12 to 15 in. 18c
Areca Lutescens, 3-in. pots, 8 to 12 in. 10c
Lantana Borbonica, 4-in. pots, 12 to 15 in. 15c

ROSES OUR SPECIALTY.

Write for 1913 Catalogue.

THE DINGEE & CONARD CO.,
WEST GROVE, PA.

Mention the American Florist when writing

TRUE IRISH SHAMROCK



WE have an immense stock of this pretty novelty in 2x2½ inch pots, full and bushy, \$5.00 per 100, \$30.00 per 1000. Try them, they sell on sight. One house we know sold 70,000 of them last year. Orders placed with the Pittsburgh Cut Flower Co., will receive the same careful attention as if placed direct.

John Bader Company

1826 RIALTO STREET, N. S. PITTSBURGH, PA.

Bell Phone, 872 Cedar

P. & A. Phone, 1942-B North

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

A. H. GOODWIN and wife, of Chicago, are at Nice, in southern France.

J. E. NORTHROP and daughters, of Minneapolis, Minn., are touring Florida.

THE Holland seed growers pump the water off their land while the California growers pump it on.

C. C. MORSE & Co. have issued "A Bulletin on Spencer Sweet Peas," by Lester L. Morse, from notes taken during the season of 1912.

VISITED CHICAGO: John C. Bodger, of John Bodger & Sons Co., Los Angeles, Calif.; C. W. Scott and A. Kakuda, of the Yokohama Nursery Co., New York.

DEPOSIT, N. Y.—The Deposit Seed Co., the leading growers and dealers in this locality, report seed business good, especially bulbs, of which they are large growers.

OAKLAND, IA.—Webb McConnell, manager of the Green Valley Seed Co., recently shipped more than 5,000 bushels of blue grass seed to foreign countries. Mr. McConnell invented his own machinery for harvesting and cleaning the seed.

ENID, OKLA.—This is the Corry Seed Co.'s twenty-seventh year contracting watermelon and muskmelon seed for the wholesale trade and it has never missed a year in the past 27. Last year this concern planted 1,500 acres and sold over 150,000 pounds of seed. About 2,000 acres will be planted this spring.

PHILADELPHIA, PA.—I. N. Simon & Son, whose representatives cover the market gardening districts from Norfolk to Boston, say that on the whole the majority of the truckers broke about even last season, some few having made money and others being unable to pay their seed and fertilizer bills. Crops in general were good but prices were too low. The cost of production is increasing each year but prices seem to remain the same and at times are lower.

War on Free Seed.

A fight to abolish congressional free seed distribution, which is widely regarded as a graft, will be made in the Senate when the agricultural appropriation bill comes up.

The senate has passed two resolutions by Senator Kenyon calling on the Agricultural Department for information as to the cost of the seed distribution and on the postoffice department for information as to the cost to the government of franking out free seeds.

It is the intention of the opponents of free seeds to use the data thus obtained to have an amendment put on the agricultural bill abolishing the distribution. Washington Times, February 20.

THAT PHILADELPHIA BULB CASE.—Manager Scott of the Yokohama Nursery Co., New York, says his firm's suit against G. W. Uber, 5401 Grays avenue, West Philadelphia, Pa., to recover payment for 4,000 multiflorum lily bulbs and the countersuit of the defendant for \$1,860 damages, were recently dismissed. These cases have been in the court some seven years and Mr. Uber, who claimed the bulbs were of poor quality, pays costs.

Seed-Importation Act.

The government has issued the following regulations by which customs officers are to be governed in their duties under the Seed Importation Act of August 24, 1912, which took effect February 24, 1913:

The collector of customs shall draw and forward for examination when so requested by the Secretary of Agriculture or his representative samples of the seeds enumerated in the act which are offered for import, and shall immediately notify the consignee that samples have been drawn and forwarded and that the remainder of the shipment must be held intact pending a decision of the Secretary of Agriculture in the matter.

The collector of customs may deliver to the consignee shipments which have been sampled on the execution of a bond in a penal sum equal to the invoice value of the seeds, together with the duty thereon, if any, conditioned upon the redelivery thereof to the collector when demanded by him for any reason within 30 days from the date of entry. Form Cat. No. 333E may be slightly modified and used for this bond, and should be drawn to cover also any re-cleaning that may become necessary.

If the Secretary of Agriculture shall inform the collector that the seeds are not in violation of the said act, the collector shall no longer detain the shipment under that act, but if the seeds are found to be in violation thereof, the collector shall permit the importer to re-clean the seeds under bond at the expense of the importer.

The collector of customs shall draw and forward to the Secretary of Agriculture or his representative a sample of the re-cleaned seeds, together with a sample of the screenings or other refuse removed from the seeds in the

course of cleaning, accompanied by a statement of the amount of both the re-cleaned seeds and of the screenings, and the same procedure shall be followed with respect to such sample of the re-cleaned seeds as upon the original sample, as outlined in regulation 1.

If the Secretary of Agriculture shall inform the collector that the sample of the re-cleaned seeds is not satisfactory, or if the importer shall decline to re-clean any shipment of seeds which the Secretary of Agriculture has found to be in violation of the said act, the collector shall refuse delivery of the shipment and require it to be exported under customs supervision.

The collector of customs shall cause the screenings or other refuse removed from the seeds in the course of re-cleaning to be disposed of in the manner prescribed by the Secretary of Agriculture.

Should the importer fail to export within three months from the date of refusal of delivery any seeds the delivery of which has been refused under these regulations, the collector shall report the facts to the department and to the United States attorney.

The collector of customs shall report to the department and to the United States attorney any willful violation of the act which shall come to his knowledge.

Irrespective of the foregoing regulations, collectors of customs will continue to observe the requirement in T. D. 32705 of July 13, 1912, relative to forwarding to the Department of Agriculture samples of certain seeds.

LAWRENCE, KANS.—W. J. Busch has completed improvements which make his seed house up to date in every particular. New machinery will greatly facilitate the work of unloading.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract

Highest Grade Seeds

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONIONS, LETTUCE, CARROT and RADISH

San Jose, California

J. W. EDMUNDSON, Manager

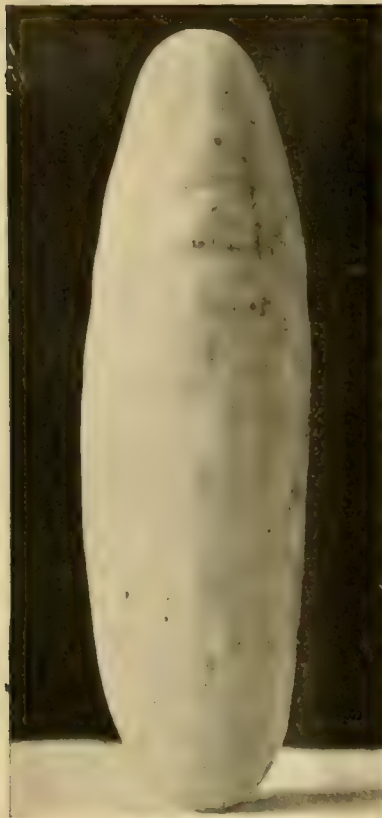
M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers

SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS



Cool and Crisp Cucumber.
Grown under irrigation by

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

S. D. WOODRUFF & SONS

SEED GROWERS

Dealers in Garden, Field and Flower Seeds
Specialties, Potatoes, Onion Sets, Garden and
Flower Seeds. Contract Taken

Catalogue Free. ORANGE, CONN.

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OF ALL KIND APPLY TO
W. W. Johnson & Son, Limited
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Franzen's Seeds Sure to Grow.

Asters, Queen of the Market.....	oz. \$0.50
Ageratum, Blue, oz. \$0.60. Snapdragon.....	.75
Alyssum, Little Gem.....	.30
Lobelia, Emperor William, Blue.....	.75
Pansy, Giant Strain.....	1.25
Petunia, Superfine Mixed.....	.75
Phlox, Drummondii Mixed.....	.55
Stock, Ten Week Double.....	1.00
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F. O. FRANZEN, 1476 Summerdale Av., Chicago
Send for trade list.

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Mention the American Florist when writing

RATEKIN'S SEED CORN

OLDEST ESTABLISHED AND LARGEST WHOLESALE AND CONTRACT SEED CORN
GROWERS IN THE UNITED STATES: Have made this our specialty for over thirty years. We
grow all the leading standard, best varieties of field Dent, Flint, and Sweet sugar corn, for the
Wholesale Trade. Write or wire us for prices and quotations for immediate or future shipments,
also for contract growing prices for 1914 delivery; stating probable quantities of different varie-
ties, etc., etc.

RATEKIN'S SEED HOUSE, Shenandoah, Iowa

LAWN GRASS SEED

WHOLESALE ONLY

J. OLIVER JOHNSON

1874-76 Milwaukee Avenue

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PERENNIAL RYE GRASS SEED

Fall Importation. \$3.75 per 100 lb. bag, f. o. b.

AVENUE FLORAL CO.,

3442 St. Charles Ave.

NEW ORLEANS, LA.

Onion Seeds--Onion Sets

We are also submitting contract figures
for the 1913 crop of Onion Seed.

We are Extensive Growers and Dealers
Write for prices on the 1912 crop.

SCHILDER BROS., Chillicothe, O.

JAPAN CLOVER SEED

Booking orders for January shipment.
Prices on application.

Contract with us for **Genuine Bermuda Onion
Seed**, delivery next fall, grown by T. M. Reid,
Port Orotova, Teneriffe.

CHRIS. REUTER, New Orleans, La.

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CONTRACT SEED GROWERS

Pepper, Asparagus, Tomato, Musk and
Water Melon. For sale: Asparagus,
Horse Radish and Rhubarb Roots.
Correspondence Solicited.

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MUSCATINE, IA.

Contract Seed Grower

**SPECIALTIES: Pepper, Egg Plant,
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EDGAR F. HURFF, Mullica Hill, New Jersey.

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TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

ASK FOR THE

Certificated **Gladioli**
Trade List

FROM

G. Zeestraten & Sons
Oegstgeest, Holland

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.



H. WREDE

LUNEBERG, GERMANY

PANSY SEED

180 First Prizes, the highest
awards Chicago, Paris, London,
Bruxelles.

1000 seeds, finest mixed...25c
1 oz. \$2.25

Price list on application.

Cash with order

Best Grafted Rose Stock

Pink Killarney, White Killarney, Double White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000, \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill. Killarney Queen, \$15.00 per 100; \$120.00 per 1,000.

OWN ROOT STOCK

Killarney, White Killarney, Prince de Bulgarie, Mrs. Aaron Ward, Melody, Lady Hillingdon and My Maryland, \$6.00 per 100; \$55.00 per 1,000. Richmond, 2 1/2-inch, \$5.00 per 100; \$45.00 per 1,000. American Beauty, 2-inch, \$65.00 per 1,000 in 1,000 lots and \$60.00 per 1,000 in lots of 2,000 or over.

ROOTED CARNATION CUTTINGS

Enchantress, Lawson, Winsor, White Perfection, and Beacon, \$2.20 per 100; \$20.00 per 1,000. May Day and Scarlet Glow, \$3.00 per 100; \$25.00 per 1,000. Gloriosa and Mrs. Ward, \$3.00 per 100 \$27.50 per 1,000; Rosette, \$6.00 per 100; \$50.00 per 1,000; 2-inch, \$7.00 per 100.

The Above is All Select Stock and a Big Bargain at the Prices Quoted.

Poehlmann Bros. Co., Morton Grove, Ill.

VICK Quality VICK

Aster Seed

Aster Book Now Ready

Indispensable for Commercial Growers

Send for copy today

James Vick's Sons
ROCHESTER, N. Y.

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THE C. HERBERT COY SEED CO.
VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin.
Sweet, Flint and Dent Seed Corn

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Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato.
Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

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MANN'S

Lily of the Valley

are the finest in existence and their flowers bring the best prices on the London market. For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany

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VALLEY PIPS

From Cold Storage
For Easter Forcing

Per Case of 500 - - - - \$ 9.00

Per Case of 1000 - - - - 17.00

VAUGHAN'S SEED STORE

CHICAGO

NEW YORK

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
New York

ROSES, CARNATIONS,

PLANTS, SEED, BULBS.

Send us your wants. We will take care of them.
We supply stock at market price. Catalogue for the asking.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA.

DAMMANN & CO.,

Seed Merchants to His Majesty the King of Italy
SAN GIOVANNI A TEDESCO, near Naples

Established 1877.

Headquarters for CAULIFLOWER and WHITE
TRIPOLI ONION SEED, (Crystal Wax), and
all other VEGETABLE and FLOWER SEEDS
THE LARGEST GROWERS IN ITALY.

Ask for Catalogue and Special Offers.

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R. & M. GODINEAU,
SEED GROWERS,

Angers - France.

Specialties: Beets, Mangoes, Carrots, Cabbages,
Celeries, Parsleys, Parsnips, Turnips.

Growing Crops Given Personal Attention.

Mention the American Florist when writing

Lily of the Valley Pips

COLD storage, very fine quality,
Berlin and Hamburg.

Per case of 1,000.....\$12.00

Per case of 3,000.....\$32.00

Our florists' catalog is off the press.
Have you received a copy? If not
write for one today.

J. M. Thorburn & Co

33 Barclay St. (T11) New York, N. Y.

Mention the American Florist when writing

BAUER
Seed Germinator.

A simple, practical device for making accurate
germination tests of seeds and grains.

Used and endorsed by

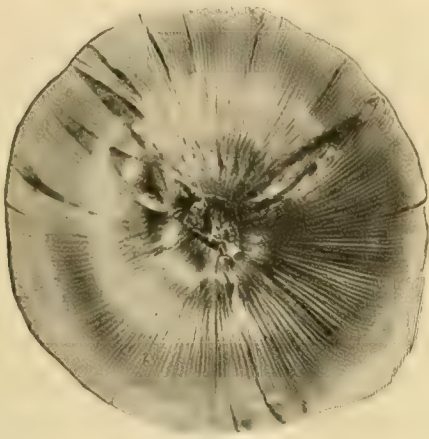
The U. S. Government and many
Agricultural Stations.

Price 35c each or \$3.60 per dozen

BAUER GERMINATOR CO.,
MANITOWOC, - - WISCONSIN

Mention the American Florist when writing

We are Growers of GLADIOLUS BULBS



MRS. FRANCIS KING.

Besides the following standard kinds, most of which we can offer in two sizes (both flowering), we carry nearly all standard kinds and many fancy imported novelties secured by our Mr. Carl Cropp in Europe:

	Per 1000
Mrs. Francis King, Medium Size	15.00
Augusta, First Size	16.00
" Medium Size	13.00
America, First Size (3,000 for \$70.00)	25.00
" Medium Size, while unsold	20.00
Kunderdi Glory, First Size	40.00
Chicago White, the one best early	50.00

Florists, Seedsmen and amateurs who are interested in **Gladiolus**, either for counter trade, for outdoor planting, or for the home garden, should correspond with us and secure our lists and prices **before placing orders** for this stock.

Of several leading kinds we can supply planting stock, white bulbs under one inch and small black bulblets by the bushel.

1913 Prices on All Leading Kinds Are Ready.
Special Lists of Novelties can be made up on request.

VAUGHAN'S SEED STORE

CHICAGO
NEW YORK

GLADIOLUS

75,000 Second Size

Fine quality stock of our **best** fancy mixture, \$6.50 per 1000; \$6.00 per 1000 in 5 or 10 thousand lots. This is our best mixture.

The flowers of these have always taken 1st prize at every place shown.

No. 451. **Fair Maid**. This is one of the finest varieties ever offered, light lavender, broad open flower, fine straight spike, at \$10.00 per 100.

Gladioli Specialty Ass'n.,
HAMPTON, VA.

Pansy Plants.

Per 100

Giant Flowering, small plants, \$.250 per 1000 .50

Canna C. Henderson, dry bulbs, ... \$2.00

Geranium S. A. Nutt and four other varieties, ... 3.00

 \$.25.00 per 1000.

Geranium, Mad. Buchner, all 2½ inch pots. 2.00

Alternanthera rooted cuttings red & yellow .50

Coleus, 10 varieties April 1st., 2¼ inch pots. 2.00

Asparagus Plumosus and **Sprengeri** 2.00

CASH OR C. O. D.

JOSEPH H. CUNNINGHAM, Delaware, Ohio

SEEDS

Best that grow. We sell direct to gardeners and florists at wholesale. Big, beautiful catalogue free. Write today.

ARCHIAS SEED STORE, Box 98, Sedalia, Mo.
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GLADIOLI

VARIETIES	PER THOUSAND					
	1½ up	1¼-1½	1-1¼	¾-1	½-¾	under ½
America. Light Pink	25 00	20 00	15 00	14 00	12 00	10 00
Mrs. Francis King, Flame Pink	18 00	13 00	10 00	9 00	8 00	7 00
Augusta. White; Lavender anthers.	Sold	13 00	10 00	9 00	7 00	6 00
Beauty. "Beauty" rose color	60 00	50 00	40 00	35 00	30 00	25 00
New America. White, striped pink	50 00	40 00	35 00	30 00	25 00	20 00
Cardinal. Cardinal color	20 00	14 00	12 00	10 00	9 00	8 00
Whites and Lights. All light colors	16 00	12 00	9 00	8 00	7 00	6 00
Lucy. Good red	16 00	12 00	9 00	8 00	7 00	6 00
Prize Mixture. Over 100 varieties	9 00	7 00	6 00	5 50	5 00	4 50
Lily Coe. Best dark Pink	50 00	40 00	30 00			
Sara. White blotched maroon	60 00	50 00	40 00			
William Mason. Fine red	40 00	30 00	25 00			

Orders for 250, or more, at 1000 rate. Less 10% for cash in 30 days.

Mallory & Brown

Gladiolus Specialists

Madison, Wisconsin

Geraniums and Coleus

Ricard and **Poltevine**, \$15.00 per 1000. **S. A. Nutt**,

\$12.50 per 1000: next delivery about March 24.

G. Bedder, Vers., and general assortment \$6.00 per

1000: ready almost any time.

Plumosus, just right for Easter pans, sample, 10

cents; 100, \$2.50.

Safe Delivery Guaranteed.

Albert M. Herr, Lancaster, Pa.

Primula Obconica, strong plants, in bud and bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000: out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong,

2½-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and **Sprengeri**, strong,

2½-inch, \$2.00 per 100, \$15.00 per 1000: 3-inch,

\$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the American Florist when writing

The Early Advertisement Gets There

JOSEPH HEACOCK COMPANY'S PALMS & FERNS

Home-Grown, Well Established, Strong and Healthy.

Kentia Belmoreana.					Cedar tub					Phoenix Roebelenii.				
Pot	Leaves	In. high.	Each	Doz.		Leaves	In. high	Each	Pot			Each		
2½-in.	4	8 to 10.....		\$ 1 50	9-in.	6 to 7	42 to 43.....	5 00	5-in., nicely characterized.....			\$1 00		
5-in.	6 to 7	18.....	50	6 00	9-in.	6 to 7	48 to 54.....	6 00	6-in., 18 to 20-in. spread.....			1 50		
6-in.	6 to 7	24.....	1 00	12 00	9-in.	6 to 7	5 ft.....	8 00	Cedar tub	High	Spread	Each		
6-in.	6 to 7	26 in. high.	1 25	15 00	9-in.	6 to 7	6 to 7 ft.....	10 00	7-in.	18-in.	24-in.....	\$2 00		
6-in.	6 to 7	28 to 30.....	1 50	18 00	Kentia Forsteriana—Made up.					Cibotium Schiedel.				
Cedar tub	Leaves	In. high.	Each	Doz.	Cedar tub	Plants	In. high	Each	Doz.	Spread		Each		
7-in.	6 to 7	34 to 36....	2 50	30 00	7-in.	4	36.....	2 50	30 00	7-in. pot, 2 to 2½ feet.....		\$2 00		
9-in.	6 to 7	40 to 45....	4 00	48 00	9-in.	4	40 to 42.....	4 00	48 00	9-in. tub, 4 feet.....		4 00		
					12-in.	4	60 to 66.....	12 50		12-in. tub, 6 to 8 feet.....		8 00		
					12-in.	4	66 to 72.....	15 00						

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

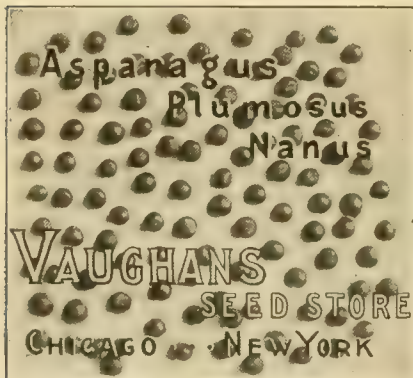
When in Philadelphia be sure to look us up.

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12 inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy. With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station, Jenkintown.

New Crop Northern Greenhouse Grown (ready)
It has Vitality. Not Frost-bitten.



Mention the American Florist when writing

VERBENAS



Finest in the land, best mammoth varieties, true to name. Seedlings are disappointing: get the true stock, at 70c per 100, \$6.00 per 1000; Mrs. F. Sander, \$1.25 per 100, \$10.00 per 1000. **Coleus**, finest named varieties, a grand collection, at 70c per 100, \$6.00 per 1000. **Fansies**, Roemer's Prize Winners (Germany), large, fine plants, 50c per 100, \$4.00 per 1000. **Daisies**, California and Queen Alexandra, \$1.00 per 100, \$8.00 per 1000. **Ageratums**, 60c per 100, \$5.00 per 1000. **Alternantheras**, three varieties, very strong, 60c per 100, \$5.00 per 1000. **Feverfew**, "Little Gem" (True), \$1.25 per 100, \$10.00 per 1000. **Salvias**, Bonfire and St. Louis, \$1.00 per 100, \$8.00 per 1000. We prepay express.

C. HUMFELD,

The Rooted Cutting Specialist, Clay Center, Kan.

Mention the American Florist when writing

COLEUS.

Safe Delivery Guaranteed.

Golden Bedder, Verschafeltii and fifteen others, every one a good bedder and every cutting a good cutting. 60,000 ready for March 10th at \$6.00 per 1000. They should be shipped the same week. Order should reach me 10th or 11th. Buy Now, Don't Wait.

Albert M. Herr, Lancaster, Pa.

Forcing Spiraea Clumps, Gladiolus, Etc.

	Per 100		Per 100
Spiraea Gladstone.....	\$5.50	Spiraea Superba.....	\$ 4.00
Spiraea Florabunda.....	4.00	Spiraea Queen Alexandra....	7.00

GLADIOLUS FORCING STOCK.

America. First Size.....	3.00 per 100,	25.00 per 1000
Medium Size.....	2.50 per 100,	20.00 per 1000
Mrs. Francis King.....	2.00 per 100,	18.00 per 1000

The Storrs & Harrison Co.,
Painesville, Ohio.

Mention the American Florist when writing

ROSES!! ROSES!! ROSES!! ROSES!!

Grafted Stock: Richmond, White Killarney, Brides, Kaiserin, Pink Killarney, Bridesmaids, 2½-in. pots. Price, \$10.00 per 100; \$100 per 1000. Ready first of March.

Own-Root Stock: My Maryland, Pink Killarney, Richmond, Perles, White Killarney, Kaiserin. 2½-in. pots. \$5.00 per 100; \$47.50 per 1000. Ready middle of March.

CARNATION CUTTINGS: Enchantress, Rose Pink Enchantress, May Day, White Enchantress, Lady Bountiful, Queen Louise, White Perfection, O. P. Bassett. Price, \$3.00 per 100; \$25.00 per 1000. Ready now.

VERBENA PLANTS AND CUTTINGS

J. L. DILLON, - Bloomsburg, Pa.

Mention the American Florist when writing

Enchantress Supreme

THE Best Sport from Enchantress up-to-date, possessing all the vigor and freedom that distinguishes its parent.

Color a light salmon pink—a color that is not only very attractive, but also one that endures full exposure to the sun without bleaching.

A good all around Carnation that retains its color at all seasons.

Calyx is longer and narrower than that of the parent variety, and distinct from the latter. Has shown no inclination to be a burster.

The weak points of Enchantress seem to have been lost in this Sport, and a trial of four years duration convinces us of its great value.

PRICES:	Twelve Rooted Cuttings.....	\$3.00	One Hundred rooted cuttings....	\$ 12.00
	Twenty-five rooted cuttings.....	5.00	One Thousand rooted cuttings....	100.00
	Fifty rooted cuttings.....	7.00	Order quick for February deliveries.	

DAILLEDOUZE BROS.,

Lenox Road and Troy Ave.,
BROOKLYN, N. Y.

Mention the American Florist when writing

30,000 Lily Plants IN POTS FOR EASTER

Short Plants from 10 to 15 inches high, 10c per bud
Plants from 18 to 20 inches high, 12 1-2c per bud
Plants from 24 to 30 inches high, 15c per bud

HYDRANGEAS.

Otaksa, Souv. de Claire, 5 to 8-inch pots; big stock of large specimen plants, ranging in price from 50c. to \$2.50, according to the number of blooms and shape of plants.

Spirea Gladstone, 5 to 7-inch, 35c. to 75c. each.

Rambler Roses, 50c. to \$1.00 each

Genistas, strong, 5-inch, 50c. each and \$5.00 per dozen.

Cyclamen in full bloom to make room, 5 to 7-in., 35c. to 75c. each.

Would advise ordering LILIES Early so they can be shipped in bud formation.

DECORATIVE STOCK.

Ficus Pandurata, strong, 6-inch, - - - - - \$3.50 each
Ficus Elastica, strong, 6-inch, - - - - - 75c to \$1.00 each
Dracaena Massangeana, well colored, 6-inch, - - - - - \$1.00 to \$1.75 each
Pandanus Veitchii, highly colored, 5-in., \$1.00 each; 6-in., \$1.50 each; 7-in., \$2.50 each

True Irish Shamrocks.

Strong, 2-inch, - - - - - \$3.00 per 100; \$25.00 per 1000.

Palms.

Kentia Forsteriana and Belmoreana, all sizes from 4 to 12-inch tubs in fine condition. Fine decorative stock ranging in price from 35c. to \$15.00 per plant

Boston Ferns.

2¼-in. pots, \$3.50 per 100; \$30.00 per 1000 3-in. pots, \$6.00 per 100; \$50.00 per 1000
6-in. pots, 50c. each; \$6.00 per dozen 7-in. pots, 75c. each; \$7.50 per dozen
8-in. pots, \$1.00 each; \$10.00 per dozen 10-in. pots, \$2.50 each; 12-in., \$3.50 each

Roosevelt Ferns.

4-inch, 20c. each; \$2.00 per dozen 5-inch, 35c. each; \$3.50 per dozen

Table Ferns--10 Varieties

2¼-in. pots; \$3.50 per 100; \$30.00 per 1000 3-in., strong, \$6.00 per 100; \$55.00 per 1000

POEHLMANN BROS CO.

PLANT DEPARTMENT

MORTON GROVE, - ILLINOIS

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

A RULING of the Interstate Commerce Commission makes the watermelon grower pay freight on watermelons shipped by him.

THE cantaloupe and melon growers of Lowndes county, Alabama, will begin planting about March 1; there will probably be more watermelons planted but fewer cantaloupes than last year.

Prices of Indoor Fruits and and Vegetables.

Chicago, February 24.—Mushrooms, 25 cents to 65 cents per pound; lettuce 18 cents to 22½ cents, small cases; radishes, 10 cents to 40 cents per dozen bunches; pieplant, 30 cents to 45 cents per bunch; cucumbers, \$1.25 to \$2 per box of two dozen.

New York, February 21.—Cucumbers, \$1.25 to \$1.75 per doz., and \$4 to \$6 per box; mushrooms, \$1 to \$2.25 per 4-pound basket; tomatoes, 10 cents to 30 cents per pound; radishes, \$1 to \$2 per 100 bunches; mint, \$1 per dozen bunches; rhubarb, 20 cents to 50 cents per dozen bunches; lettuce, 10 cents to 40 cents per dozen; beet tops, 75 cents to \$1.

Mexican Tomato Crop Damaged.

Unprecedented cold weather in the Nogales district about January 6 and 7 seriously damaged the tomato and fruit crops along the west coast of Mexico. Reports indicate that in the southern extremity of this district and the district of Hermosillo the loss is about 75 per cent. At Guaymas it is said to be about 50 per cent, and in the vicinity of Los Mochis, Sinaloa, where most of the tomatoes are raised, the loss is estimated at fully 25 per cent of the crop. While these figures may later be revised, it is noted that the demand for refrigerator cars for exporting tomatoes has been reduced to two cars per day. Before the cold weather every available car was demanded by the tomato exporters.

GRAND RAPIDS, MICH.—Herbert Haftenkamp has filed suit against Frank P. Goebel for money he alleges is due him by reason of a contract existing between the two when they were in the greenhouse business at Wabash, Ind. Haftenkamp alleges that he furnished the money and Goebel kept the books.

Hotbeds.

Every spring late storms do a lot of damage to hotbeds, often freezing the contents entirely. The reason for this is that the hotbed is rather inaccessible, that is, the operator is often poorly informed in regard to condition inside. The writer has never lost a bed of plants in a life time, by following a simple rule and that is by watching the frost on the glass.

Whenever glass freezes, covering is in order, and if after an hour the glass is still frosted, more protection is needed, or in other words, the inside

temperature, if right, will remove any frost if glass is covered with boards, mats, shutters, or straw. This rule will work invariably. When a cold wave strikes us we examine the beds at various points, several times during the night, and correct conditions.

Just the other extreme is sometimes met with in a heavy fall of snow. The beds are damaged by too high temperature as the even snow cuts off any radiation of heat. In such cases it is sometimes necessary to sweep off the snow two or three times in 24 hours to admit light and air. And last never plant a new bed at once. Wait and raise a crop of weeds first and then the bed will be in prime shape.

MARKETMAN.

BEGONIAS

Single, separate colors, 40c per doz., \$2.50 per 100; double, separate colors, 60c per doz., \$4.00 per 100.

GLOXINIAS

Separate colors, 50c per doz., \$3.50 per 100

TUBEROSES

Dwarf Pearl, 1st size, \$1.00 per 100; \$9.00 per 1000.

CALADIUMS

With live centre shoot.

	Per Doz.	Per 100
5-7 inch.....	\$0.30	\$1.80
7-9 inch.....	.50	3.50
9-11 inch.....	.85	6.00

A. Henderson & Co.

352 N. Michigan Ave., CHICAGO
Phone Raz.dolph 2571.

CARNATIONS

Rooted Cuttings, Season 1913.

Ready Now.

	Per 100	Per 1000
Rosette.....	\$6 00	\$50 00
St. Nicholas	6 00	50 00
Benora.....	6 00	50 00
Gloriosa	4 00	30 00
White Wonder.....	3 00	25 00
White Perfection	3 00	25 00
White Enchantress..	3 00	25 00
Enchantress	3 00	25 00
Rose Pink Enchantress	3 00	25 00
Scarlet Glow	3 00	25 00
Mrs. C. W. Ward	3 00	25 00
Bonfire.....	3 00	25 00

Rooted Cuttings Our Specialty. Fine stock; even size; well rooted cuttings.

F. DORNER & SONS CO.
LA FAYETTE, IND.

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman Compacta (new), to take the place of Whitman. A better commercial fern; 2½ in., \$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON. Whitman, Mass.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

We have

1,000,000 Grand Rapids and Tennis Ball Lettuce

COLD FRAME PLANTS

At \$1.00 per 1,000; 5,000 lots for 90 cts. 10,000 lots for 80 cts.

We grow a general line of vegetable plants for the trade only. Send for catalogue now ready.

FRANKLIN PLANT FARM, Inc.

FRANK BRUNTON, Gen'l Manager.

R. F. D. No. 2.

NORFOLK, VA.

READY NOW FOR DELIVERY

2,000,000 Fine Two-year-old

Early Giant Argenteuil Asparagus Roots

Grown from best French Imported Seeds at \$2.50 per 1000, in lots of ten thousand or more.

Also Millions of Frost-Proof Cabbage Plants

of each of the following varieties: Jersey Wakefield, Charleston Wakefield, Early Spring, Early Flat Dutch, All Seasons, Succession, Late Flat Dutch, at 75c for 500; \$1.00 per 1000; 85c per 1000 for 5000 or more. All delivered at Charleston, Express, Railroads or Steamship Lines. Cash with order.

ALFRED JOUANNET,
MOUNT PLEASANT, S. C.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

TAKE THE HINT.

The successful man in business keeps cool. Don't cry, don't worry about hard times, don't lose your head. Just keep calm and think of every florist who dealt with him last Easter. He is more active than ever. He will take care of you this Easter, 1913. His big stock of fine plants and his low prices will pull you through at all times.

Therefore Prepare for Easter

Twenty-five years' experience in shipping Easter plants—well-known, popular from Atlantic to Pacific Oceans. Our shipments of Easter plants reach every city and state of the United States, Mexico, Canada, and as far as Cuba.

And Come Direct to the Factory. A Great Factory of Live Stock That Never Ceases.



Specialist in the growing of Lilies. 35 years experience.

ONE OF GODFREY ASCHMANN'S LILIIUM MULTIFLORIUM HOUSES.

No argument needed; speaks for itself. The real stuff; the cream of Japan's production. The True Variety of the Lilium Multiflorum, raised from 9 to 10 selected bulbs, at \$95 a 1000, direct from Japan. Look at the picture! Just right for Easter.

Azalea Indica.

Is another specialty of ours, inspected personally by myself on my yearly trip to Europe at our grower's establishment in Belgium, who is a specialist in cultivating Azaleas over there. Only the best American sorts are raised and imported for me.

What is the name of the Best Pink Azalea? Mme. Van der Cruyssen is the name.

Originated by the well-known Azalea specialist, Mr. Van der Cruyssen, of Ghent, Belgium. Millions are raised every year of this so world-wide known popular pink Azalea and are shipped out to every port in of the globe from Belgium. We are well provided and have a big stock of this so well favored variety in America, the Mme. Van der Cruyssen; covered with buds and flowers, ready for Easter trade; well shaped round as an apple; in all sizes, 6-7-8-in. pots, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00 \$2.50 to \$3.00. On account of scarcity in Belgium of this variety, we were only able to obtain a limited quantity of the smaller sizes; therefore bigger sizes must accompany the order for Van der Cruyssen. Have 3000 Van der Cruyssen. Simon Mardner, double pink, 50c, 60c, 75c, \$1.00 \$1.25 to \$1.50.

De Schryveriana, double variegated, 50c., 60c, 75c, \$1.00, \$1.25 to \$1.50.

Vervaeckiana, a well-known double variegated variety, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50.

Apollo, best red, \$1.00 \$1.25 to \$1.50; best double red, \$1.00, \$1.50 to \$2.00.

Niobe double white, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50.

Deutsche Perle, double white, 75c.

John Severling, double pink, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

Paul Weber, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

A few good mixed varieties, such as Empress of India, Helena Thielmann and others, 75c, \$1.00 to \$1.50.

Novelties in Made up Pans.

6-inch pans filled with *Pteris Wilsoni* Ferns, *Albo-Lineata* or *Tsussimense*, very attractive, only 25c per pan; with *Dracaena Terminalis* in center, 50c to 75c. 6-inch Azalea pots or pans filled with large size *Wilsoni* Ferns, 50c per pan.

The same with a center piece of a large size *Dracaena Terminalis* red foliage, very attractive and showy, 75c to \$1.00. Same filled with table ferns of the best varieties such as *Albo-Lineata*, *Tsussimense*, *Victoria Mayi*, etc., 35c, 40c to 50c. Same size 6-inch Azalea pot filled with *Asparagus Plumosus*, 10-12-15 inch high, also *Sprengeri* 35c, 40c, 50c. Regular 6-inch pans filled with *Asparagus Plumosus Sprengeri* or *Dish Ferns* and *Wilsoni*, 25c to 35c. The same with a *Kentia Forsteriana* in center 35c. All these pans were made up last fall and are well established; can be shipped in or out of the pans.

If we are out of the size and color ordered, we shall ship next color and next size, either above or below what is ordered.

Azaleas will be scarce this Easter so secure your order early.

In connection with Lilies and Azaleas, kindly try to buy a few other plants.

Chinese Primroses, 5 1/4-in. pots, \$2.50 per doz.

Our New Improved *Begonia Erfordii* has no equal as a constant bloomer, winter and summer, in bloom now, 5 1/4-in. 25c, 5 1/2-in., 30 to 35c, 4-in., 20c.

Asparagus Sprengeri, 2 1/2-in., 3c, 4-in., 10c.

Asparagus Plumosus, 10,000 on hand, April 1912 savings, big stock plants, 4-in., 10c, 3-in., 10 to 12-in., high, \$6.00 per 100; medium, 2 1/2-in., \$4.00 per 100; large, 2 1/4-in., suitable for edging bulb pans, \$5.00 per 100.

Hyacinths of our own importation, four best colors. Gertrude, best pink; King of the Blues, best blue; Grand Maitre, light blue; La Grandesse, best white; 4-in. pots, in bud or bloom, \$12.00 per 100.

Lilium Multiflorum.

We have Lilies this Easter, (1913 to burn, to burn; they are crackjacks, to beat the band, the best in the land, the best in the land, the best in the land.)

Three houses in *Lilium Multiflorum*, the genuine Japan Easter Lily, better than ever before. Our own importation from our general grower in Yokohama, Japan, raised from 9-10 in. bulbs started in 6-in. pots last October; have kept good. Good, perfect foliage from bottom up. Plants medium size and in all heights, with 6-7-8 buds, 10c per bud; with 3-4-5 buds 12c per bud. Just right for Easter. We have the finest lilies this year in Philadelphia and all over the country. Is the town talk from florists and agents daily visiting our place. "We have never seen anything like it," said two well known growers one day, when visiting our place together. We have three houses full in 6-in. pots nicely staked up, medium height, and can supply all applications.

Cineraria Hyb. Grandiflora.

Readers, please, just a minute. I wish to call your attention to one of our biggest houses filled with a big selection of that so much admired Easter novelty the *Cineraria Hybrida Grandiflora*, which will have no equal in the flower market for Easter, 1913. If you are not fortunate enough to see them growing at our establishment, then just imagine you were promoted to a paradise, to a garden in Eden, standing before a mass of flowers in various beautiful colors. This is the condition one of our *Cineraria* houses represents at Easter-time. Our new improved strain, planted in 6-in. pots, of medium tall sizes, are unsurpassed in the size and color of the flowers. The flowers are about twice the size of the old ordinary varieties, has big heads of flowers and good foliage; some of the plants are as big as a small apple. Price: 6-in. pots, 25c, 35c, 50c, 75c to \$1.00 per plant, doz. or more, same price.

Araucarias Our Specialty.

Look! Bargains in *Araucaria Excelsa* raised from top cuttings. Such low prices as are quoted below were never known in the history of *Araucaria Excelsa*. Just think! 5 1/2-in. pots, 3-4 tiers, 16 to 18 in. high, 50c to 60c; in 5 1/2-in. pots, 40c.

Plants, 5, 5 1/2, 6, 7 in. pots, raised from top cuttings, no seedlings, 15, 18, 20, 25, 30 in. high, 4-5-6 tiers, 2-3-4-5 years old, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each. We give big value for your money. Just think! An elephant, 6-in. pot, 4 years old, 4-5-6 tiers, 20-25 in. high for only 75c; a jumbo, 6-in. pot, 5 year old, 25 in. and over, as wide as a bushel basket, 5-6 tiers, for only \$1.00; and what do you think! a holy terror, 30 to 40 in. and over, 5-6-7 tiers, worth \$2.00, for only \$1.25 to \$1.50. Specimens \$2.00.

Von Slon Daffodils, (double nosed) best double yellow *Narcissus* in cultivation, three bulbs planted in a 5 1/2 to 6-in. pot, \$3.00 per dozen pots.

Tulips, Tournesole, double red and yellow variegated; Imperator Rubrum, double red; Corronne d'Or, double yellow, and Murillo, beautifully shaded rose pink, three bulbs in one pot (4-in.) \$15.00 per 100 pots; \$1.50 per dozen.

Ipomea Noctiflorum, our so well known pure white, waxy Moonvine, bearing flowers very fragrant and as big as a saucer, 2 1/2-in. pots; will make good stock for you to propagate from, \$5.00 per 100.

1000 *Ficus Elastica* or Rubber Plants, in fine condition, perfect leaves, 7-in. pots, specimen plants, 28 to 30 in. high, \$1.00; 6 to 6 1/2-in. pots, 25 to 28 in. high, 50c to 75c; 5 1/4 to 5 1/2-in. pots, 30c to 35c.

Our *Hydrangea Otaksa* is just right for Easter trade; every branch nicely staked up, 2, 3, 4, 5, 6, 7 heads to the plant, 6-in. pots, 35c to 50c; 5 to 7 in. pots, 75c \$1.00, \$1.25 to \$1.50.

Cyclamen, 5 1/4-in., in bloom and bud, 35c, 40c, 50c, 4-in., 25c.

We are well provided with a big stock of *Primula Obconica* for Easter. Have 3000—all sizes, of this hardy Easter plant. We always were short every Easter, therefore we raised a big stock for this Easter. 4, 4 1/2, 5, 5 1/2 and 6-in. pots, 10c, 15c, 20c, 25c, 35c and 50c.

Obconica, 4-in., 10c; in bloom, 15c.

Dracaena Terminalis, red colored, 5 1/2-in., 40c.

Belmoreana, 4-in., 25c to 30c.

Aspidistra, 6-in., 75c, \$1.00, \$1.25; green foliage.

Our Ferns this year are exceptionally fine, *Boston*, *Scottii*, *Whitmani* and *Scholzeli* 5 1/2 and 6 in. 35c, 40c and 40c. 7-in. large, bushy plants 75c to \$1.00. As big as a bushel basket, \$1.00 to \$1.25. Remember, all our Ferns are pot, grown, not lifted from benches.

Neph. Giatrasii, a new beautiful fern, an improvement on *Scottii*, much shorter and bushier than *Scottii*, 5 1/2-in. pots, 50c; 3-in. pots, 20c; 4-in. 25c; 6-in. 75c. Pans 35c to 40c.

Ferns for Dishes. Big assortment, 2 1/2 in. pots, at \$4.00 per 100; 3-in. pots, \$7.00 per 100.

Kentia.

We are well provided this Easter with a big stock of *Kentia Forsteriana* Palms, and to make room for our new importation arriving from Belgium in April, we will be able to give you an excellent low value on them. Just look what Special Bargains we offer you for your Easter trade. 6-in. pots, 30.35, 40.50 in. high, \$1, \$1.25, \$1.50, \$1.75, \$2.00, \$2.50 to \$3.00. 7-in. pots made up, one large size, about 40, 45 to 50 in. high in centre 3 of smaller size around, \$3.00, \$3.50 to \$4.00. Single plants, 5-5 1/2 in. pots, 25 to 30 in. high, 50c, 60c to 75c; 4-in. 25c.

Kentia Belmoreana Combination Plants, made up of 3 plants, 20 to 25 in. high. 6-in. pots, 75c to \$1.00. Single plants, bushy 5 1/2-in. pots, 50c, 60c, to 75c. 4 1/2-5 in. pots, 25c, 30c to 40c.

Spirea Gladstone.

What is a home, what is a store, what is a church, what is an Easter present, without having a few of the so much admired and so greatly in demand *Spirea Gladstone* the pride of Holland? O, those charming sprays of beautiful pure white flowers! And the foliage, of such a beautiful wax deep green is a jewel in itself! Mixed with beautiful lilies and other blooming plants they will complete the flower decoration for your happy joyful Easter home of 1913. Knowing the great demand for these plants during past Easters, when not half the customers could be supplied, we are well prepared this year for the rush, and were fortunate in spite of the scarcity last fall in Holland. When other florists' supplies were cut short by Holland growers we obtained enough of the bulbs to fill two houses with the choicest, and we are able to supply all incoming orders promptly. Prices: 5 1/2 and 7-in. pots, full of buds and flowers, 35c, 50c, 75c to \$1.00 each; dozen or more, the same price. Some are as big as a small washtub.

Cash with order please. Please state if shipped with or without pots. All goods shipped at purchaser's risk only.

GODFREY ASCHMANN, Importer, Wholesale Grower and Shipper of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.
Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

NURSERYMEN sometimes attain to affluence through the increase in value of their land as well as by application to business.

LINDALE, TEN.—M. E. Fowler, the originator of the Augbert peach, has sold his copyright to an Austin nursery for \$500.

CLAREMONT, CALIF.—The Claremont Nurseries have purchased 40 acres adjoining the town of Tehachapi and will begin planting immediately.

SAN DIEGO, CALIF.—N. W. Schrunner and Richard Grah are preparing to start a nursery on Highland avenue, between Fifteenth and Sixteenth streets.

UTAH fruit growers will organize a co-operative society to secure better freight rates and educate the people in the proper manner of packing, standardizing, etc.

HART, MICH.—H. S. Newton has been appointed superintendent of the horticultural department of the Michigan state fair. He is one of the leading fruit growers of the state.

PORTLAND, ORE.—The next meeting of the Pacific Coast Association of Nurserymen will be held here June 16-17, 1913. A. Brownell, Portland, is president, and C. A. Tonneson, Tacoma, Wash., secretary-treasurer.

Mexico Plants Trees.

Trees are to be planted along all the federal wagon roads in Mexico. The forestry bureau is in charge of the work. In the section of the Mexico-Pachuca road which lies between Cerro Gordo and San Cristobal, Ecatepec, 1,200 young trees are to be planted at once, and in a short time some 7,000 more are to be planted. Several owners of haciendas which border on the road have offered to assist in the tree planting.



FELIX & DYKHUIS.
HIGH GRADE BOSKOOP NURSERY STOCK
BOSKOOP—HOLLAND.

Beautifully illustrated price list free!

FROM HOLLAND FAR, DUTCH LADY HANDS
TO UNCLE SAM HER FINEST BRANDS.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS
Nurserymen and Florists. RUTHERFORD, N. J.

ENGLISH MANETTI STOCKS.

A bargain, to close out surplus quick. Well rooted, carefully regraded and everything undersized or not up to strictly first quality discarded. It pays to buy regraded repacked stocks. We offer 3/4 m-m grade at \$12.00 per single thousand; five thousand or more at \$10.00 per thousand. 3-5 m-m grade \$8.00 per thousand; \$65.00 per ten thousand, to clean them up quick. Orders can be filled the same day we get them. Wire and say whether to ship by freight or express.

JACKSON & PERKINS CO., Newark, New York

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,
P. O. Berlin N. J. Williamstown Junc., N. J.

Robert Craig Co...

High Class **PALMS**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Catalpa Bungei

Specimen trees with wide spreading tops
2 to 4 years and straight 7 ft. stems, 2 to 3-inch caliper.

Get our prices on all kinds of shade trees.
W. B. COLE, Avenue Nurseries,
Painesville, - - - Ohio.

ROOTED CUTTINGS.

	Per 100.	Per 1000
Verbenas.....	\$0.70	\$ 6.00
Ageratums.....	.60	5.00
Heliotrope, Daisies, Salvias..	1.00	8.00
Feverfew, Petunias.....	1.25	10.00
Coleus.....	.70	6.00
Alyssum, Double.....	1.00	8.00

Cash with orders. Express Paid. Write
S. D. Brant, Clay Center, Kans.

Sphagnum MOSS

BURLAPPED

Fresh clean moss
from new marsh,
full sized bales.

Vaughan's Seed Store,
Chicago. New York.

California Privet

	Per 1000
2 to 3 feet, 2 yrs.....	\$10.00
3 to 4 feet, 2 yrs.....	15.00
4 to 5 feet, 2 yrs.....	20.00

Amoor River Privet

	Per 1000
12 to 18 inches, 1 yr.....	\$10.00
18 to 24 inches, 1 yr.....	15.00
2 to 3 feet, 1 yr.....	20.00

Oak Lawn Nursery

HUNTSVILLE :: :: ALABAMA

Osmundine

(Osmunda Fibre or Orchid Peat.)

BROWNELL'S SUPERIOR QUALITY.

Used the World Over

Price List and Samples on Request

The C. W. Brownell Company
Walden, N. Y.



Our New Scarlet Carnation IS 100% BETTER

Than any other Scarlet Carnation you are now growing. If you have not already placed your order you will make no mistake if you do so now.

The only Scarlet to win First Prize best 100 Scarlet: Cincinnati, November 1911; St. Paul, November, 1912 and Cleveland, November, 1912. Rooted Cuttings ready now.

\$12.00 per 100; \$100.00 per 1000.

Other varieties also ready for Immediate Delivery:

	100	1000
Gloriosa, medium pink.....	\$4.00	\$35.00
Benora, variegated.....	6.00	50.00
White Wonder.....	3.00	25.00

	100	1000
Enchantress.....	\$3.00	\$25.00
White Enchantress.....	3.00	25.00
Victory	3.00	25.00
Beacon.....	3.00	25.00

	100	1000
Scarlet Glow.....	\$3.00	\$25.00
Washington.....	3.00	25.00
Rose Pink Enchantress.....	3.00	25.00
May Day, deep flesh ...	3.00	25.00

Very low prices on large lots.

Send us your list for quotations.

CHICAGO CARNATION COMPANY

A. T. PYFER, Mgr.

30 E. Randolph Street : : : CHICAGO, ILL.

EASTER STOCK.

Order now, and we will ship at any time wanted
Stock Guaranteed.

Terms: Cash or approved credit of 30 days.

Lilies, cut, \$2.00 per doz.: \$12.50 per 100.
Lilies, plants, 12½ to 15 cents per bud.
Hydrangeas, imported stock, 3 to 8 heads at 75c.
\$1.00, \$1.50 and \$2.00 each.
Azaleas at \$1.00, \$1.25 and \$1.50 each.
Spireas, 35c, 50c and 75c each.
Baby Ramblers, 35c, 50c and 75c each.
White Ramblers, 35c each.
Souperets and Hermoseas, 35c and 50c each.
Primroses..... 3 inch 4-inch 5-inch
Obconica..... \$8.00 \$12.50 \$25.00
Malacoides..... 8.00 12.50 25.00
Cinerarias..... 10.00 20.00 35.00
Begonias..... 8.00 15.00 20.00
Begonias..... 7.50 15.00

BULB STOCK.

	4-inch	5-inch	6-inch
Hyacinths.....	\$10.00 to \$15.00	\$25.00	\$35.00
Tulips.....	25.00	35.00	
Von Sions.....	25.00	35.00	
Narcissus.....	25.00	35.00	

Ask for our Fern list and Soft Wooded stock list.

Geo. A. Kuhl,
WHOLESALE GROWER, PEKIN, ILL.

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Wholesale Growers of Cut Flowers, Pot
Plants and Nursery Stock

DAHLIAS

Standard and New Cut Flower Varieties

Lindhurst Farm
Hammonton, N. J.

**THE EARLY ADVERTISE-
MENT GETS THERE.**

Tuberous Rooted Begonias



	Doz.	100	1000
Single sorts—white, scarlet, yellow, pink.....	\$.40	\$2.50	\$22.00
Single sorts—mixed.....	.35	2.25	20.00
Double —white, scarlet, yellow, pink.....	.65	\$4.50	\$40.00
Double sorts—mixed.....	.60	4.00	37.50

Gloxinias

Grassifolia Grandiflora

All the spotted and Tigered variations in sound bulbs.

	Doz.	100	1000
Separate colors.....	\$.60	\$3.50	\$30.00
Choice mixture.....	.50	3.20	28.00

Spiraea Clumps

	Per 100
Gladstone.....	\$ 7.00
Floribunda.....	6.00
Japonica.....	5.00

Lily Bulbs

	Per 100
Album, 8-9 inch.....	\$ 9.00
Album, 9-11 inch.....	12.50
Auratum, 9-11 inch.....	10.00
Rubrum, 8-9 inch.....	6.00
Rubrum, 9-11 inch.....	9.00

Write for
Florists' Catalog.

Vaughan's Seed Store,

CHICAGO and
NEW YORK

GET THE BEST IN ALL CREATION

THIS IS WHAT YOU GET WHEN BUYING

GERANIUM SCARLET BEDDER

Buy early and increase your stock for Decoration Day, as well as for your summer bedding trade. We feel confident that there is not another Scarlet GERANIUM that can surpass this in freedom of bloom, healthy and strong compact growth. This is not only our verdict, but from many who have grown this, as you will see by a few of the testimonials in our 1913 catalogue, which is yours for the asking.

Price: \$1.50 per 10; \$12.50 per 100; \$100.00 per 1000.

Sold only by the originator and disseminator.

ELMER D. SMITH & CO., Adrian, Mich.

Mention the American Florist when writing

Palms for Easter Sales.



Kentia Belmoreana.

Leaves		Height	Each	Doz.
4-inch	5-6	12-15 inches.....Per 100		\$ 5.00
5-inch	5-6	18 inches.....	\$.75	8.00
6-inch	6	22-24 inches.....	1.50	17.00
6-inch	6-7	26-28 inches.....	2.00	
7-inch	6-7	28-30 inches.....	2.50	
7-inch	6-7	30-32 inches.....	3.00	
9-inch	6-7	42-46 inches.....	5.00	
10-inch	6-7	48-50 inches.....	8.00	

Leaves		Height	Each	Doz.
4-inch	5	15 inches.....Per 100, \$40.00		\$5.00
5-inch	5-6	20-24 inches.....	.75	8.00
6-inch	5-6	30-32 inches.....	1.50	17.00
7-inch	6-7	36-40 inches.....	3.50	
8-inch	6-7	40-44 inches.....	4.00	
8-inch	6-7	44-48 inches.....	5.00	
8-inch	6-7	52-55 inches.....	6.00	

KENTIA FORSTERIANA.

PHOENIX CANARIENSIS.

8-inch, 30-35 inches high.....Each, \$3.00

PHOENIX ROEBELINII.

6-in., 16-18 inches high...Each, \$1.75 7-in., 20-22 inches high...Each, \$2.50 11-in. tub, 28-30 inches high...Each, \$8.00

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GREENHOUSES AND NURSERIES, WESTERN SPRING, ILL.

ROSES

Wintered cool; x-strong roots; prime condition. Best sorts, old and new, including:—

	2½-inch.		4 in.	
	Doz.	100	1000	100
Duchesse de Brabant.....	\$0.50	\$3.00	\$25.00	\$10.00
Etoile de Lyon.....	0.50	3.00	27.50	10.00
Maman Cochet, Pink.....	0.50	3.00	27.50	10.00
White Maman Cochet.....	0.50	3.00	27.50	10.00
Mlle. Franzisca Kruger.....	0.50	3.00	25.00	10.00
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Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

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GODFREY CALLAS.
2½-in., \$4.00 per 100.
CONARD & JONES CO.,
WEST GROVE, PENNSYLVANIA.

CANNAS.

IMPROVED CANNAS.

"There can be no question that could the florists see those cannas, they would be in every collection in the country."—John Welsh Young, referring to CONARD & JONES CANNAS.

Mrs. Alfred F. Conard, pink, \$35.00 per 100
Beacon, red, 20.00 per 100
Gladiolus, variegated, 15.00 per 100
Meteor, red, 25.00 per 100
Rosea gigantea, pink, 25.00 per 100
Wm. Saunders, red, with bronze leaf, 10.00 per 100
Mt. Blanc, near white, 10.00 per 100
Kate F. Deemer, yellow, 35.00 per 100

F. o. b. at headquarters for improved cannas. Write for complete list to

THE CONARD & JONES CO.,
WEST GROVE, PENNSYLVANIA.

CANNAS—Fine 2 to 3 Eye bulbs.
Robusta, Cinnabar and mixed, \$1 per 100.
Sec. Chabane, \$1.50 per 100. Paul Marquant, \$2 per 100. Mlle. Berat, Pres. Cleveland, \$2.50 per 100. Pennsylvania, C. F. Read, \$3 per 100. Henry George, Chas. Henderson, \$4 per 100. Marvel, David Harum, \$5 per 100. WAGNER PARK CONSERVATORIES, Sidney, O.

Cannas, ready to pot, delivery now or later, Florence Vaughan, Chas. Henderson, Egandale, \$2.50 per 100. Pennsylvania, Louisiana, large flowered, \$3 per 100. P. Pearson, 5732 Gunnison St., Chicago.

Cannas, C. Henderson, \$2 per 100. Jos. H. Cunningham, Delaware, O.

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150,000 in the following varieties ready for immediate deliveries:

	Per 100	Per 1,000
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CHICAGO CARNATION CO.,
30 E. Randolph Street, Chicago, Ill.

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1,000
Enchantress.....	2.00	18.00
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Lawson.....	1.50	12.50
White Lawson.....	1.50	12.50
White Perfection.....	2.00	18.00
Winsor.....	1.50	12.50
Victory.....	1.50	12.50
Bonfire (Inest red).....	3.00	25.00

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ROOTED CARNATION CUTTINGS.

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Benora, variegated red and white.....	\$5.00	\$40.00
Enchantress.....	2.50	20.00
White Enchantress.....	2.50	20.00
Rose-pink Enchantress.....	2.50	20.00
White Wonder.....	2.50	20.00
Beacon.....	2.50	20.00

Satisfaction guaranteed.
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If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

CARNATION CUTTINGS.

For February delivery.

	Per 100	Per 1,000
Wodenethe	\$6.00	\$50.00
White Wonder	4.00	35.00
White Enchantress	3.00	25.00
Enchantress	3.00	25.00
Beacon	3.00	25.00
Rose Pink Enchantress	2.50	20.00

J. D. THOMPSON CARNATION CO.
JOLIET, ILL.

Carnations, Northport, Commodore, Enchantress, Supreme and Salmon Beauty, \$12 per 100; \$100 per 1,000. Chas. H. Totty, Madison, N. J.

ROOTED CARNATION CUTTINGS.

We have 25,000 Enchantress and White Enchantress at \$18 per 1,000. Write for special prices on large lots.

SINNER BROS.,

82-84 86 East Randolph St., Chicago, Ill.

Carnations, Rosette, St. Nicholas, Benora, \$6 per 100; \$50 per 1,000. Gloriosa, \$1 per 100; \$30 per 1,000. White Wonder, White Perfection, White Enchantress, Enchantress, Rose Pink Enchantress, Scarlet Glow, Mrs. C. W. Ward, Bonfire, \$3 per 100; \$25 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

"Colorado Grown Plants Beat Them All."

Rooted Carnations Cuttings for present or later delivery. White Enchantress, Mrs. C. W. Ward, Beacon and Bassett, \$3 per 100; \$25 per 1,000. Pink Enchantress and Victory, \$2.50 per 100; \$20 per 1,000. Winsor and White Lawson, \$2 per 100; \$15 per 1,000. Cash or reference. ELITCH-LONG GREENHOUSES, Denver, Colo.

Carnations, Enchantress, Lawson, Winsor, White Perfection, Beacon, \$2.20 per 100; \$20 per 1,000. May Day, Scarlet Glow, \$3 per 100; \$25 per 1,000. Gloriosa, Mrs. Ward, \$3 per 100; \$27.50 per 1,000. Rosette, \$6 per 100; \$50 per 1,000; 2-in., \$7 per 100. Poehlmann Bros., Co., Morton Grove, Ill.

Carnations, rooted cuttings, strong, healthy stock out of sand. Winsor, Victory, \$1.50 per 100; \$13 per 1,000. White Perfection, Pink Enchantress, \$2 per 100; \$17 per 1,000. White Enchantress, \$2.50 per 100; \$20 per 1,000; 250 at 1,000 rates. Cash or C. O. D. NORTH-WESTERN FLORAL CO., Cross Point, Ill.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Dailledouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

For fancy stock, get our cuttings. Beacon, Perfection and Enchantress, \$2.50 per 100; \$20 per 1,000. Pure White Enchantress, \$3 per 100; \$25 per 1,000. C. C. POLLWORTH CO., Milwaukee.

Carnation cuttings, Enchantress, R. P. Enchantress, May Day, White Enchantress, Lady Bountiful, Queen Louise, White Perfection, O. P. Bassett, \$3 per 100; \$25 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, chrysanthemums, S. S. Skidel sky & Co., 1215 Betz Bldg., Philadelphia.

Comfort carnation cuttings, \$4 per 100; \$30 per 1,000. S. M. Merwarth & Bros., Easton, Pa.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, rooted cuttings, Golden Glow, Oct. Frost, Pacific Supreme, Major Bonaparte, \$1 per 100; Chas. Razer, best white, \$1.50 per 100. Edward Wallis, Berlin, N. J.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, rooted cuttings. Erie Floral Co., Erie, Pa.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, 10 vars., 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, Verschaffelti and G. Bedder, 60c per 100. The Erie Floral Co., Erie, Pa.

Coleus, A. N. Pierson, Inc., Cromwell, Conn.

Coleus. A. M. Herr, Lancaster, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEUM, finest strain in existence, including GLORY OF WANDSBECK, finest salmonium, orchid flowering. Kococo, strong transplanted seedlings, \$3.00 100; \$25.00 1,000. Cash, please.

Rober & Radke, Maywood, Ill.

Cyclamen, 4 and 5½-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Cyclamen, in full bloom, 5 to 7-inch. 35c to 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

DAHLIAS.

Dahlias, 100,000 field-clumps; 100 varieties of cream. Get list. Benj. Connell, Florist, Merchantville, N. J.

Dahlias, standard and new cut flower varieties. Lindhurst Farm, Hammonton, N. J.

DAISIES.

Shasta daisies, field-grown, strong plants, 7/8c per 100; \$6 per 1,000. Clumps, \$1 per 10; \$5 per 100; \$40 per 1,000. Cash with order or C. O. D. Write for Nursery Stock price list. E. J. Sheffield, Alvin, Texas.

Dracena indivisa fine large 3-in., \$5 per 100; 4-in., \$7 per 100. Ready to shift. Cash. John Bauscher, Jr., Freeport, Ill.

Dracena Massangeana, 6-in., \$1 to \$1.75 each. Poehlmann Bros. Co., Morton Grove, Ill.

Daisies, Mrs. F. Sander, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

DRACAENAS.

Dracenas, Lindenii and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz. Vaughan's Seed Store, Chicago and New York.

Dracena terminalis, 4 and 4½-in., 25c to 40c Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

EASTER PLANTS.

Easter plants, 30,000 lily plants, 10 to 15 ins. high, 10c per bud; 18 to 20 ins., 12½c per bud; 24 to 30 ins., 15c per bud. Hydrangeas, Otaksa and Souv. de Claire, 5 to 8-in., 50c to \$2.50. Primroses, Obconica and Malacoides, \$2 to \$3 per doz. Spira Gladstone, 5 to 7-in., 35c to 75c each. Rambler roses, 50c to \$1 each. Genistas, 5-in., 50c each; \$5 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

EUONYMUS.

EUONYMUS VARIEGATA RADICANS
JAPONICA,

2½-in. pots, 5c.

3 and 4-in. pots, 10c.

CONARD & JONES CO.

WEST GROVE.

PENNSYLVANIA.

FERNS.

DWARF FERNS FOR FERN DISHES.

These dwarf ferns are used by the hundreds of thousands to fill dishes for table decorations. Our sales each year exceed fifty thousand plants. Our stock is in prime condition, ready to use at once. We offer 9 choice varieties, 50c per doz.; \$3.50 per 100; \$30 per 1,000.

Pteris cretica Wimsettii,

albo-lineata Mayi

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Aspidium tsussimense,

Cyrtomium falcatum or holly fern.

Our catalogue of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

Largest rose growers in the world.

Box 18. SPRINGFIELD, O.

Ferns, Scottii, Whitmanii, Schozelli, Boston, Glatrasi, 5½ to 7-in., 30c to \$1 each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ROOSEVELT FERNS.

2½-in., \$6.00 per 100.

CONARD & JONES CO.,

WEST GROVE.

PENNSYLVANIA.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitmanii Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

BOSTON FERNS, the kind that will make you money, 2½-in., \$2.50 per 100; 4-in., \$15 per 100. All pot grown. Ready now. Cash. C. L. Humphrey, Zanesville, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Ferns for dishes, assorted, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rates. Frank Oechslein, 4911 W. Quincy St., Chicago.

Boston ferns, 2½-in., bushy plants, ready to shift, \$2.75 per 100. Cash. John Bauscher, Jr., Freeport, Ill.

Small ferns, 2½-in., \$3.50 per 100; \$30 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Five thousand Boston fern runners, 2-in., \$2 per 100. Campbell, The Florist, Chili Ave., and Thurston road, Rochester, N. Y.

Ferns, Boston. For sizes and prices see advertisement on front cover page. Vaughan's Seed Store, Chicago and New York.

Boston ferns, 25c; Whitmanii, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, large double white, R. C., 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

FICUS.

Ficus elastica, 5½ and 6-in., 30c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus pandurata, 6-inch, \$3.50 each. Elastica, 6-in., 75c to \$1 each. Poehlmann Bros. Co., Morton Grove, Ill.

Ficus elastica, 4-in., \$25 per 100. Storrs & Harrison Co., Painesville, O.

GERANIUMS.

Geraniums—Good, healthy, fall rooted plants from 2½-in. pots at \$3 per 100; \$27.50 per 1,000 except where noted: Beaute Poltevine, Marg. de Castellane, S. A. Nutt, Jean Viand, La Favorite, A. Ricard, Mme. Landry, Mrs. E. G. Hill, Albion (single white) Mme. Barney, Heteranthe, E. H. Trego, M. Jaulin, Red Wing, 6c each. Our new catalogue will be ready January 1st. Send for a copy of same. THE GOOD & REESE CO., Box 18, Springfield, O.

NEW AMERICAN BEAUTY.

For the first time we are offering this wonderful new geranium to our many customers. Write for colored cut and prices on large lots, 2½-in. pots, 50c; \$5 per doz.

JOHN BAUSCHER, JR.,
Arcade Addition. Freeport, Ill.

Geraniums, S. A. Nutt and La Favorite, short stock plants 2½-in., \$2.50 per 100; \$22.50 per 1,000. Rose geranium, 2½-in., 3 cents. Mme. Sallerol, strong plants 2-in., \$2 per 100; \$18 per 1,000. ROBER & RADKE, Maywood, Ill.

Geranium Scarlet Bedder, \$1.50 per ten; \$12.50 per 100; \$100 per 1,000. Elmer D. Smith & Co., Adrian, Mich.

Geraniums, S. A. Nutt, extra large 2½-in., ready for shift, \$2.50 per 100; \$23 per 1,000; large 3-in., \$4 per 100; \$35 per 1,000. Cash. John Bauscher, Jr., Freeport, Ill.

Geraniums, 3-in., mixed red shades, choice stock ready now. A. Bargain, \$5 per 100. Cash. C. L. Humphrey, Zanesville, O.

S. A. NUTT.
Strong selected pot cuttings well rooted, \$1.50 per 100; \$14 per 1,000. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, Ricard and Poltevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, S. A. Nutt and four others, \$25 per 1,000; \$3 per 100. Mme. Buchner, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, buckberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Greens, ferns, \$1.35 per 1,000; 2,000, \$2.60; 5,000 or more, \$1.20 per 1,000. Robert Groves, 127 Commercial St., Adams, Mass.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Magnolia leaves, cypresses leaves, American oak sprays, ruscus. Oscar Leistner, 17 N. Franklin St., Chicago.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Southern wild sinlax and natural and painted roses. E. A. Beavan, Evergreen, Ala.

HARDY PERENNIALS.

Hardy perennials. Ask for Surplus offer of 500 varieties at BARGAIN PRICES. 50 per cent less than wholesale rates. Valid after March 15. ACT QUICKLY. Palisades Nurseries, Sparkill, N. Y.

HYDRANGEAS.

New forcing HYDRANGEA ARBORESCENS GRANDIFLORA ALBA or Hills of Snow. For forcing or immediate sales: 1-yr., field-grown, 12 to 18 inches, 2 canes, \$1.25 per doz.; \$8 per 100; \$75 per 1,000. Select, 2 to 3 canes, \$1.50 per doz.; \$10 per 100; \$90 per 1,000. 2-yr., field grown, 18 to 24 inches, 2 to 3 canes, \$2 per doz.; \$14 per 100; \$120 per 1,000. Our catalogue of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.

Largest rose growers in the world.

Box. 18. SPRINGFIELD, O.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, field-grown, 3 to 10 shoots, 10c to 35c. The Erie Floral Co., Erie, Pa.

IVIES.

ENGLISH IVY,
2½-in. pots, \$5.00 per 100.
CONARD & JONES CO.

WEST GROVE, PENNSYLVANIA.

English ivy, strong, 3-in. stock. Write for prices. C. L. Reese, Springfield, O.

JERUSALEM CHERRIES.

Jerusalem cherries, 6-in., 25c and 35c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the valley. Grow Bruns' celebrated Chicago Market, the finest forcing valley in America, \$18 per 1,000; \$9.50 per 500; \$5 per 250; Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

Lily of the valley pips, from cold storage, per case of 500, \$9; per case of 1,000, \$17. Vaughan's Seed Store, Chicago and New York.

MANETTI.

ENGLISH MANETTI SOCKS. A bargain, to close out surplus quick. Well rooted, carefully regraded and everything undersized or not up to strictly first quality discarded. It pays to buy regraded, repacked stocks. We offer 5-8 mm grade at \$12 per single thousand; five thousand or more at \$10 per thousand. 3-5 mm grade, \$8 per thousand; \$65 per ten thousand, to close them up quickly. Orders can be filled the same day we get them. Wire and say whether to ship by freight or express. Jackson & Perkins Co., Newark, New York.

MARGUERITES.

MARGUERITES.

Mrs. F. Sander, 2-in., \$2.50 per 100; 3-in., \$5 per 100; Alexandra and large flowering and California single, 2-in., \$2 per 100; 3-in., \$4 per 100. ROBER & RADKE, Maywood, Ill.

New double marguerite, Mrs. F. Sander, 2½-in., \$2.50 per 100. Large yellow winter flowering and Queen Alexandra, 2½-in., \$2 per 100. Cash. John Bauscher, Jr., Freeport, Ill.

MOSS.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

Sphagnum moss. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock. Storrs & Harrison Co., Painesville, O.

SHRUBBERY.

There are bargains to be had here in such varieties as spiraeas, altheas, weigelas and philadelphus, and this names only a few. We have acres of shrubs, well grown and ready for you. Write for price list.

The Conard & Jones Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Felix & Dykhuis, Boskoop, Holland.

ONION SETS.

Choice re-cleaned ONION SETS, red, \$1.50; white, \$2; yellow, \$1.40 per bushel of 32 lbs. J. C. Zapiewski & Co., Growers, Norwood Park, Ill.

Onion seed and onion sets. Schilder Bros., Chillscothe, O.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Osmundine (Osmunda fibre or orchid peat.) The C. W. Brownell Co., Walden, N. Y.

PALMS.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms, 5 Latania Borbonica (7 ft.); 2 Sago (20 ft.); 1 Phoenix (7 ft.). \$15 to \$20 f. o. b. Washington. Gallaudet College, Washington, D. C.

Palms, Kentia Bel. and Fors., all sizes from 4 to 12-inch, 35c to \$15 per plant. Poehlmann Bros. Co., Morton Grove, Ill.

Palms, Kentia Fors., single, 25 to 50 ins. high, 75c to \$2.50. Made-up, \$2.50 to \$4. Belmoreana, 6-in., 50c to 75c; 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Palms. McHutchison & Co., 17 Murray St., New York.

Palms. Storrs & Harrison Co., Painesville, O.

PANSIES.

Pansy plants, giant flowering, small plants, \$2.50 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

POINSETTIAS.

POINSETTIAS, stock plants, 2 and 3-year-old, \$5 per 100. Cash with order. Rose Hill Nurseries, New Rochelle, N. Y.

PRIMULAS.

Primula Obconica, in bud, 3-in., \$4 per 100. Cash. John Bauscher, Jr., Freeport, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

PRIVET.

California privet, 2 to 3 feet, 2-yr., \$10 per 1,000; 3 to 4 ft., \$15; 4 to 5 ft., \$20. Amoor River, 12 to 18 inches, 1-yr., \$10 per 1,000; 18 to 24 ins., \$15; 2 to 3 ft., \$20. Oak Lawn Nursery, Huntsville, Ala.

ROSES.

Roses, grafted, Richmond, White Killarney, Bride, Kaiserin, Pink Killarney, Bridesmaid, 2½-in., \$10 per 100; \$100 per 1,000. Own root, My Maryland, Pink Killarney, Richmond, Perles, White Killarney, Kaiserin, 2½-in., \$5 per 100; \$47.50 per 1,000. J. L. Dillon, Bloomsburg, Pa.

ROSES. Fine healthy stock, 2-inch, Helen Gould, Mrs. B. R. Cant, Pink and White Cochet, Gruse an Teplitz, Wellesley, Etolia de France, Mme. A. Chateau, Kaiserin, Duc de Brabant, Vis. Foldestone, Hermosa, Pink Red and White La France, Mrs. De Graw, Burbank, Champion of World, Mrs. S. McKee, Apricot, Deegan, Glo. Exp. Bruzella, 2-in., \$3 per 100. Bride, Bridesmaid, Clo. Souper, S. de P. Notting, M. Lambert, Coq. des Blancs, Emp. China, Climbing Clo. Souper, 2-in., \$2.50 per 100. Our selection of varieties all labeled true to name, \$20 per 1,000. ORDER NOW. WAGNER PARK CONSERVATORIES, Sidney, O.

Roses. For varieties and prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Roses, grafted and own root. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Leedle Floral Co., Springfield, O.

Rose, Mrs. George Shawyer and Milady, \$30 per 100; \$250 per 1,000. Chas H. Totty, Madison, N. J.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Roses. 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

ROOTED CUTTINGS.

Rooted Cuttings: Abutilon Savitzki, Acalypha Macafeana, Schryanthus Emersoni, ageratum, 6 vars.; alternantheras, 8 vars.; alyssum, dbl. giant and dwf.; Begonia Vernon, Gracilis luminosa, Cuphea, Coleus, 10 vars.; Coleus Brilliant; Chrysanthemums, 75 pompon vars.; heliotrope, hardy English Ivy, lantana, 15 vars.; lemon verbenas, moonvines, petunias, Salvia Bonfire and Zurich; parlor Ivy, Swainsona alba and roses. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Rooted cuttings: Verbenas, 70c per 100; \$6 per 1,000. Ageratum, 60c per 100; \$5 per 1,000. Heliotrope, daisies, salvia, \$1 per 100; \$8 per 1,000. Feverfew, petunias, \$1.25 per 100; \$10 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Alyssum, double, \$1 per 100; \$8 per 1,000. S. D. Brant, Clay Center, Kans.

Rooted cuttings, Ageratum, Stella Gurney, 60c per 100. Daisy, Mrs. F. Sander, \$1 per 100. Hydrangea Otaksa, \$1 per 100; Vinca Var., 75c per 100. Edward Wallis, Berlin, N. J.

SEEDS.

THE SAWYER ASTERMUM—Eight years of strict selection places it on the mountain top of perfection, in color, size and profit. Price (cash with order), \$8 oz.; \$4.50, ½ oz.; trade pkg., 1,000 seeds (not mixed), \$1. Colors: White, pink and lavender. Send for cuts and description. ALBERT A. SAWYER, Forest Park, Ill.

Flower seeds. For varieties and prices see advertisement elsewhere in this issue. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Seeds, cauliflower, white Tripoli onion, (crystal wax) and all other vegetable and flower seeds. Dammann & Co., San Giovanni a Teduccio near Naples, Italy.

Seeds, Asparagus plumosus nanus, new crop northern greenhouse grown, ready. Vaughan's Seed Store, Chicago and New York.

Seeds, beets, cabbage, carrot, celery, lettuce, onion, parsley, radish, rutabaga, turnip. Debaiffe & Son, Carignan, France.

Seed, perennial rye grass, \$3.75 per 100 lb. bag. Avenue Floral Co., 3442 St. Charles Ave., New Orleans, La.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, specialties: Beets, mangoes, carrots, cabbages, celeries, parsleys, parsnips, turnips, R. & M. Godineau, Angers, France.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohmert, Gilroy, Calif.

Seeds, pepper, asparagus, tomato, musk and watermelon. J. E. Hoopes & Co., Box 35, Muscatine, Iowa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Seeds—Agerantum, alyssum, antirrhinum, Asparagus plumosus and Sprengeri, asters, begonia, candytuft, celosia, centaurea, cineraria, cobaea scandens, coleus, Dracena indivisa, Grevillea robusta, Ipomea, lobelia, mignone, petunias, salvia, smilax, stocks, Thunbergia, Torenia For, verbenas. For varieties and prices see advertisement elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Seeds, beans, beets, cabbage, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, lawn grass. J. Oliver Johnson, 1874-76 Milwaukee Ave., Chicago.

Seeds. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, garden and flower. S. D. Woodruff & Sons, 82-84 Dey St., New York.

Pedigree seeds. Watkins & Simpson, Ltd., 12 Tavistock St., Covent Garden, London, England.

Seed, pansy, 1,000 seeds, mixed, 25c; 1 oz., \$2.25. H. Wrede, Luneburg, Germany.

Seed, watermelon, 1913 contracts for the trade. Hugh M. Taylor, Lloyd, Fla.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Ratekin's Seed Corn. Ratekin's Seed House, Shenandoah, Iowa.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds. Japan clover, Bermuda onion seed. Chris. Reuter, New Orleans, La.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Brasil Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vick's Sons, Rochester, N. Y.

SHAMROCKS.

Shamrocks, true Irish, 1½-in., pots, \$3 per 100; \$25 per 1,000. Strong plants in 1-in. pots with saucer, \$4 per 100; \$35 per 1,000. Frank Oechslein, 4911 W. Quincy St., Chicago.

Shamrocks, true Irish, 2x2½-in. pots, \$5 per 100; \$30 per 1,000. John Bader Co., 1826 Kialto St., N. S., Pittsburg, Pa.

Shamrocks, 1½-in. and 1-in. toy pots, \$4 per 100; \$35 per 1,000. L. Cousins, Jr., Concord Junction, Mass.

Shamrocks, true Irish, 2-in., \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

SMILAX.

Smilax, 3 times cut back, 2½-in., \$1.50 per 100. Cash. John Bauscher, Jr., Freeport, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snappdragons. Ramsburg's famous silver pink, rooted cuttings, \$2 per 100; extra strong 2½-in., \$3.50 per 100. Addams, Morgan & Co., Paxton, Ill.

VEGETABLE PLANTS.

Vegetable plants, Early Giant Argenteuil asparagus roots, \$2.50 per 1,000 in 10,000 or more lots. Frost proof cabbage plants, Jersey Wakefield, Charleston, Wakefield, Early Spring, Flat Dutch, All Seasons, Succession, Late Flat Dutch, 75c per 500; \$1 per 1,000; 85c per 1,000 for 5,000 or more. Alfred Jouannet, Mount Pleasant, S. C.

We grow cauliflower, egg plant, peppers, lettuce, cabbage, tomatoes and parsley. See our other advt. FRANKLIN PLANT FARM, Inc., Frank Bruton, Pres. and Mgr., P. O. Box 964, Norfolk, Va.

Vegetable plants, Grand Rapids and Tennis Ball lettuce, \$1 per 1,000; 5,000 lots, 90c per 1,000; 10,000 lots, 80c per 1,000. Franklin Plant Farm, Inc., R. F. D. 2, Norfolk, Va.

Tomato plants, Sutton's Best of All and Bonny Best, the latter from greenhouse grown seed; extra strong 2½-in., \$2 per 100. Addams, Morgan & Co., Paxton, Ill.

VERBENAS.

Lemon verbenas, rooted cuttings, 100 prepaid, 75c. Chas. Frost, Kenilworth, N. J.

VINCAS.

Vincas, 2-in., \$3 per 100; 4-in., \$1.75 per doz.; \$15 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

VIOLAS.

Viola G. Wermig.—Resembles the Princess of Wales Violet so closely as to make it a splendid substitute in summer when violets are not to be had. In Covent Gardens Market, London, thousands of bunches are sold daily. Does well in all parts of the country and is perfectly hardy. Rooted cuttings from sand, \$2.50 per 100; 2-in. pots, \$4.50 per 100; 3-in. pots, \$6.50 per 100. Palisades Nurseries, Sparkill, N. Y.

TO EXCHANGE.

Will exchange 1,000 Rose Pink Enchantress, 2-in. stocky plants, for 1,250 R. C. Beacon, Bonfire or Victory. The Nussbaumer Floral Co., San Angelo, Texas.

To exchange—Princess Charming Carnation cuttings for White Enchantress. John W. Eldredge, Belvidere, Ill.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material of all kinds. Hotbed sash. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Building material. Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

SUPERIOR CARNATION STAPLES.

Mend your split carnations. Finest article for carnation growers introduced so far, 50c for 1,000, postage paid.

MICHIGAN CUT FLOWER EXCHANGE.

38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs, Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, semi-iron green houses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing avenue, Brooklyn, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

MISCELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5936 Penn Ave., near Highland, East End, Pittsburg, Pa.

Siebert's glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

Botanic green, for coloring flowers, 50c per package. Orange Chemical Co., Dept. F., East Orange, N. J.

Greenhouse glass. Baur Window Glass Co., Eaton, Ind.

Florists' Supplies of all kinds. T. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Iron reservoir vases and lawn settees. McDonald Bros., Columbus, O.

Green Silkaline. John C. Meyer & Co., Lowell, Mass.

Anti-Klog, the Sprayer of many uses. Illinois Metals Co., Chicago, Ill.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Glass. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Greenhouse White Lead Paint. William H. Lutton, Jersey City, N. J.

Bauer Seed Germinator, 35c each; \$3.60 per doz. Bauer Germinator Co., Manitowoc, Wis.

MATS.

MATS.—We make not only the most practical but the cheapest HOTBED and COLD FRAME MATS on the market. A large per cent of our orders come from gardeners and florists who have tried them and are pleased. Our mats are in use in Iowa, Ill., Ind., Ohio, Minn., Wis., Mich., New York, Maine, Mass., Conn., R. I., N. J., Va., W. Va., and Pa. Also in British Columbia and Ont., Canada. Send for circular. WATTS BROS., Kerrmoor, Pa.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS.—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Peerless Refrigerators for florists. Jac. Lederer, 644-48 W. Madison St., Chicago.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

STAKES.

Cane Stakes, Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

WHOLESALE CUT FLOWERS.

Amling Co., E. C., Chicago.

Angermueller, Geo. H., St. Louis, Mo.

Bassett & Washburn, Chicago.

Batavia Greenhouse Co., Chicago.

Berger Bros., Philadelphia, Pa.

Berning, H. G., St. Louis, Mo.

Budlong, J. A., Chicago.

Chicago Carnation Co., Chicago.

Chicago Flower Growers' Ass'n., Chicago.

Critchell, C. E., Cincinnati, O.

Deamud Co., J. B., Chicago.

Froment, H. E., New York.

Guttman Flower Growers Co., New York.

Hoerber Bros., Chicago.

Hoffmeister Floral Co., Cincinnati, O.

Holton & Hunkel Co., Milwaukee, Wis.

Kasting Co., Wm. F., Buffalo, N. Y.

Kennicott Bros. Co., Chicago.

Kessler, Wm. A., New York.

Kruchten, John, Chicago.

Kuehn, C. A., St. Louis, Mo.

Kyle & Foerster, Chicago.

McCallum Co., Pittsburg, Pa., and Cleveland, O.

McCullough's Sons Co., J. M., Cincinnati, O.

McKellar, Chas. W., Chicago.

Meconi, Paul, New York.

Moore, Hentz & Nash, New York.

N. Y. Cut Flower Exchange, New York.

Niessen Co., The Leo, Philadelphia, Pa.

Randall Co., A. L., Chicago.

Reinberg, Geo., Chicago.

Reinberg, Peter, Chicago.

Rice Bros., Minneapolis, Minn.

Rusch & Co., Gust, Milwaukee, Wis.

Fennock-Mehan Co., S. S., Philadelphia.

Percy Jones, Chicago.

Pochmann Bros. Co., Chicago.

Pollworth Co., C. C., Milwaukee, Wis.

Reid, Edward, Philadelphia, Pa.

Siebrecht & Siebrecht, Inc., New York.

Smith, Wm. C., St. Louis, Mo.

Thompson Carnation Co., J. D., Joliet, Ill.

Totty, Chas. H., Madison, N. J.

Weiland & Risch, Chicago.

Wieter Bros., Chicago.

Windler Wholesale Floral Co., St. Louis.

Wittbold, H., Chicago.

You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

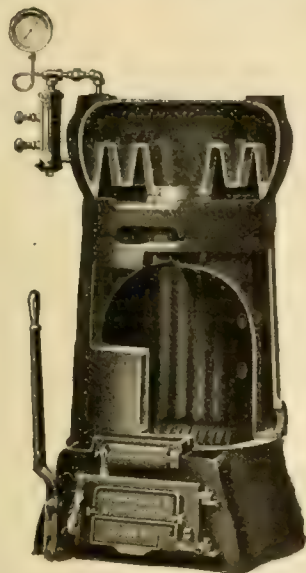
Richardson Greenhouse Boilers

HOT WATER AND STEAM

Round -- Side Feed -- End Feed

Sixty Sizes. All Capacities

THE MOST SATISFACTORY BOILERS EVER PRODUCED



Guaranteed Ratings
Economy
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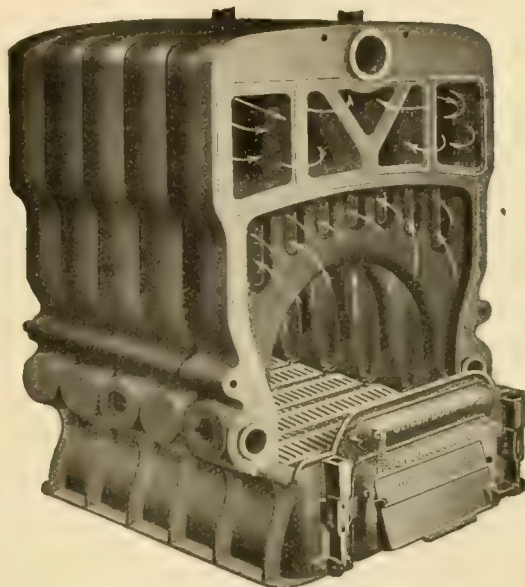
171-173 West Lake St.

CHICAGO

51 Portland St.

BOSTON

1342 Arch St., PHILADELPHIA



Cleveland.

SPRING WEATHER FLOODS MARKET.

This city and vicinity has enjoyed nearly a week of real spring weather, with the result that stock of all kinds arrived the latter part of the week in enormous supply. Bulbous stock in particular yielded to the warm sunshine, and local wholesale houses were flooded with tulips and daffodils, and some of the stock showed the effect of the extremely warm weather. Carnations too arrived in large supply and for the first time in weeks exceeded the demand, except red, which color cleaned up daily. Sweet peas are fast increasing in supply and some very good stock can be had at reasonable prices. Violets are selling fairly well. Lily of the valley has been a little short of the demand. Orchids are a little slow. Adiantum has been short of the demand, as has asparagus, sprengeri and plumosus. String smilax is plentiful and in good demand. Aaron Ward roses are arriving in better supply, but clean up daily. Richmond roses have been a little short of the demand on this market. Long stemmed American Beauties are off crop, and retailers have trouble in filling orders. Short stemmed roses of this variety are plentiful and used extensively in funeral work. Pink and White Killarney roses are in better supply, and orders are being filled with better satisfaction to all concerned. Calla and Easter lilies are in better supply with a good demand. Calandulas, freesia, etc., are less plentiful. Poeticus narcissi are on the market. C. F. B.

EVANSVILLE, IND.—Karl Zeidler, a well known local florist, has been appointed trustee of Locust Hill cemetery.

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.
L.D. Phones: Lincoln 410 and 411

"Red Devil" Fence Tools.



No. 1900 "Red Devil" is a drop forged steel tool that should be in every greenhouse. Your wire fencing may need repairing, stretching or stapling. This "Red Devil" tool embodies every requirement of the fence builder. It is 11 inches long, gun metal finish and is for sale by hardware dealers everywhere. Ask your dealer for it. If you can't get it locally send us \$1.20 for ONE only sample.

SMITH & HEMENWAY, 501 Chambers St., New York.

Boilers OF HIGH GRADE.

For GREENHOUSES

See Our Catalogue.
GIBLIN & CO., Utica, N. Y.

Mention the American Florist when writing

"SUPERIOR"

**HOT WATER BOILERS
For Greenhouse Heating.**

Made in 9 Sizes.

**Superior Machine
and Boiler Works.**

846-848 W. Superior St.,
Chicago, Ill.

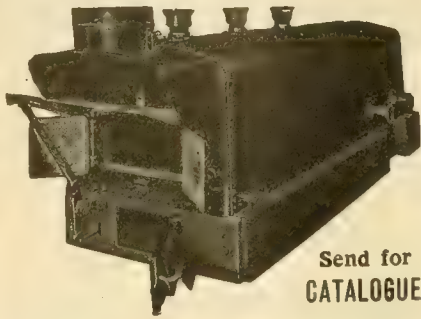


SIEBERT'S ZINC

**Never Rust
GLAZING POINTS**

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{5}{8}$ and $\frac{7}{8}$. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade

RANDOLPH & McCLEMENTS, Florists.
5936 Penn Ave., near Highland, Pittsburgh, Pa



Send for
CATALOGUE

WHAT THE USERS SAY

Get the Boiler You Can Recommend to Your Friends

The No. 4 boiler is heating 7500 square feet of glass—it would take care of 10,000 square feet. Have no trouble to keep up temperature of 60° in coldest weather. I fire every six hours. The boiler works satisfactory in every way, and I recommend it to all my friends. Your Generator is a great help and a splendid caretaker of the hot water system, the pipes being more than ordinarily hot. It has saved me a lot of coal. M. GRAF, Elmsford, N.Y.

KROSCHELL BROS CO., 452 West Erie Street,
CHICAGO, ILL.

Iron Reservoir Vases

AND

Lawn Settees
Manufactured by
MCDONALD BROS.,

COLUMBUS, O.

The largest manufacturers of these goods in America. Send for catalogues.



Columbus, O.

VALENTINE DAY GOOD.

With the arrival of Lent quite a difference was noted in the local market. Funeral work has been heavy enough to keep stock moving. Valentine day was one of the heaviest ever known here. Baskets were in demand and many different combinations were used. From the wholesaler's point of view everything went smoothly. Carnations were in good crop and good stock was to be had in quantity. Lily of the valley was up to the standard and sold readily at a good price. Roses sold well. Daffodils, jonquils, Roman hyacinths, Paper White narcissi, tulips, freesias, azaleas, cinerarias and other pot plants sold readily.

NOTES.

Chas. Yapp, formerly of Shropshire, England, and now employed on the private estate of Mrs. Rays, Hague avenue, has been employed by the Columbus Floral Co. to take charge of their plant department. This company contemplates building an additional 12 houses this spring. This space will be devoted to orchids, gardenias, and a general line of potted stock.

The wholesale and retail florists got busy, cooperated and inserted a large advertisement in the three leading newspapers and an enormous amount of stock was used.

The Art Floral Co.'s windows were gorgeously decorated with a profusion of flowers. Mr. Graff says it was the largest Valentine day he ever saw.

Visitors: Joe Marks, with Arnold & Co., Chicago; Martin Ruekauf, of Bayersdorfer & Co., Philadelphia, Pa.; — Hall, of Wertheimer Bros., N. Y.

Graff Bros. had their window decorated with a large heart surrounded by different flowers which produced a nice effect.

Wilson's Seed Store reports a big Valentine day. Potted plants were



Early
tomatoes
bring big
prices

Get your plants out early

With Sunlight Double

Glass Sash you can have your plants and vegetables weeks ahead of the season

It's the $\frac{1}{2}$ inch air space between the two layers of glass that enables you to get earlier—sturdier plants.

There may be a hard frost outside, but no cold will penetrate the $\frac{1}{2}$ inch layer of enclosed air and your plants will have all the warmth and light that they need. The result is a quicker, sturdier growth, and you get the high prices of the early market.

Sunlight Double Glass Sash double your profits

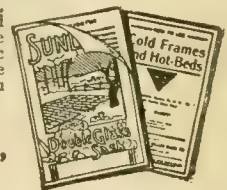
They save you the expense—the labor—the worry of having to cover and uncover your sash with heavy covers of boards and mats. You can attend to twice

as many Sunlight Sash as you can ordinarily sash. It is good business to have them. Write for these two books today.

You cannot afford to miss seeing them. One is a book by Prof. Massey, an authority on hot bed and cold frame gardening and the other is our free catalog.

They tell you how much more profitable you can make your gardening, and give some useful, instructive information on the care of beds. Send in your name and address, we shall send you our free catalog—for 4c in stamps we shall send you both books. Write today.

The Sunlight Double Glass Sash Co.,
934 East Broadway, Louisville, Ky.



GREENHOUSE GLASS

Superior Quality and Right Prices.

Let Us Quote You. We Can Save You Money.

Baur Window Glass Co., EATON,
IND.

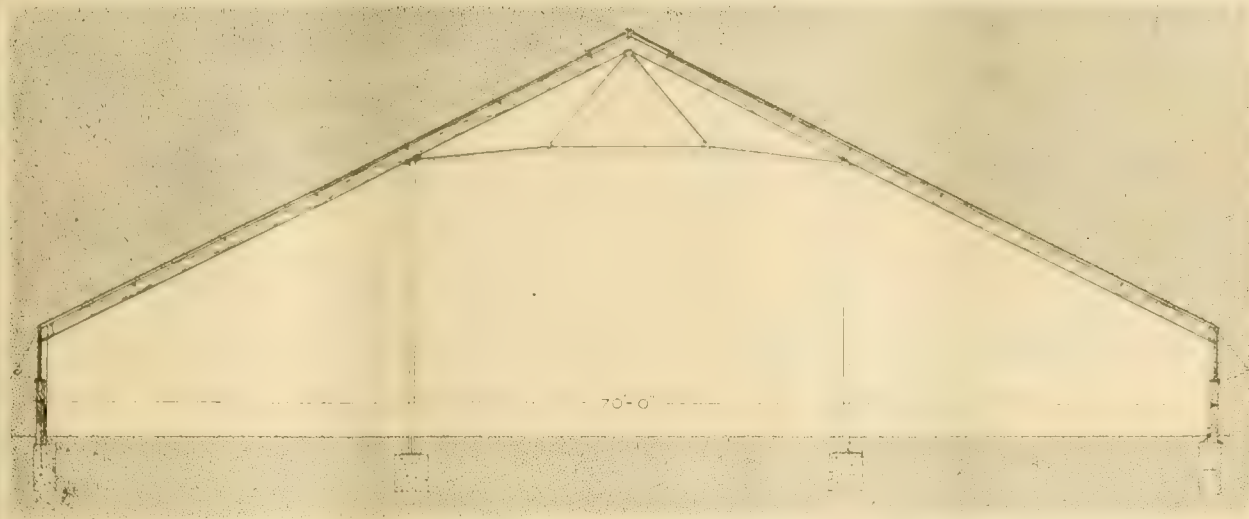
disposed of readily while sweet peas held the lead.

Sherman Stephens had the usual good trade for Valentine day. He is using the parcel post to good advantage.

The Ohio Floral Co. reports a big increase in receipts since the opening of their store.

Everything at the J. R. Hellenthal place is in excellent condition.

L. S. B.



Two Column 70 Ft. House

IT is our new Cantilever Construction.

The rafters are lattice constructed. On first thought it would seem such a house would not be as light as our regular standard flat rafter construction. In truth it is **much lighter**.

You must bear in mind that this new rafter is an **open rafter**, not a solid shade casting piece of metal.

Then another thing of great importance in its favor; we use just **half as many** of them as in other constructions. They are placed about 12 feet apart instead of the usual 8.

Fewer purlins are needed, which still further increases its lightness.

The glass is 20 inches, which being a happy medium between 16 and 24, is thoroughly practical. It will lap joint in a way to suit the hardest cranks to suit.

If you are one of those careful, cautious buyers who go into a thing "from a to izzard" before you spend money—then you are just our kind of folks. Nothing pleases us more than a buyer who digs into things. Such men become customers and they stay customers.

Hitchings and Company
Elizabeth New Jersey

New York Office, 1170 Broadway

Philadelphia Office, Penna. Bldg.

Washington.

Chas. Merryman was awarded the contracts for the inaugural decoration of the State, War and Navy Department, the Court of Honor and the Plaza, which he is decorating with cedar trees. The trees are 25 feet in height and he is bringing them from the lower Potomac by the hundreds. He also will use more than one hundred cases of Southern smilax for the front of the reviewing stands.

Robert Bowdler will open up a first class store at Fourteenth and I streets, in the store formerly occupied by Geo. Shaffer. He extends an invitation to all to call after March 1, when he hopes to be ready with one of the finest and most up-to-date stores on the Fourteenth street.

Ed. Fancourt paid the trade a visit this week. Since the Pennock-Meehan Co. opened its new store Mr. Fancourt does not get to Washington very often.

Arthur Ward, who has been with J. H. Small & Sons for more than 25 years, is laid up with a bad attack of grippe.

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy
 Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

KEYSTONA FLAT WHITE PAINT---The Paint That Stays White

H. M. HOOKER COMPANY,

WHOLESALE GLASS, PAINTS AND PUTTY

Long Distance Phone 651-659 West Washington Boulevard, **Chicago**
 Monroe 4994. Near Des Plaines St.
 Auto. 32107.

Mention the American Florist when writing

WHY IT PAYS TO BUILD GARLAND CONSTRUCTION.

Mary E. Marcy, proprietress of the Miles City Greenhouses at Miles City, Montana, in speaking of her two houses, each 34x100 feet, of Garland Construction says: "I think there is nothing finer in the state than these houses, and I hope to add several houses to the plant as soon as possible, and want to use only **Garland** material. They are well constructed and easily built."

Mr. Irving Dunford of North Olmstead, Ohio, who has two Garland Trussed Iron Frame houses, says: "That house has doubled my business this spring." The second house was ordered about 10 days after his testimonial letter.

Let us show you what we have.

THE GEO. M. GARLAND CO.,

MAIN OFFICES: Des Plaines, Ill.

Branch Offices:

MEANS & THACHER,
6 and 8 Custom House St.
Boston, Mass.

C. C. SCHAFER,
214 W. 14th St.
Los Angeles, Calif.

STEPHEN A. JAMIESON,
826 Plymouth Bldg.,
Minneapolis, Minn.

Dreer's Peerless Glazing Points For Greenhouses

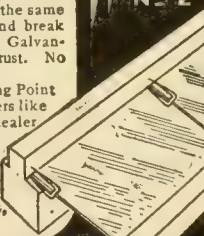
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CHICAGO, ILLINOIS

Geo. H. Cooke had the decorations for the dinner and dance given by Mme. Von Herworth February 21. The ballroom was decorated all in yellow, forsythia and jonquils being used in wall pockets and boxes of tulips and jonquils in all the windows. The dining room decorations consisted of smilax and more than 500 poinsettias. The reception room was very prettily decorated with banks of farleyense ferns, white lilac and azaleas. There were large vases of acacia throughout the room. For the dance favors over ten thousand single violets were used.

The florists' bowling team captured fifth prize in the city tournament. Eiker and Shaffer took seventh prize in class A, while Cooke and Simmonds captured fifth prize in class B. Cooke got a score of 557 in the singles.

L. Jenkins is bringing in some very fine stock, including larkspur, which finds a very ready sale.

E. Cutler Ryerson, the florists' supplies man, was a caller on the trade the past week.

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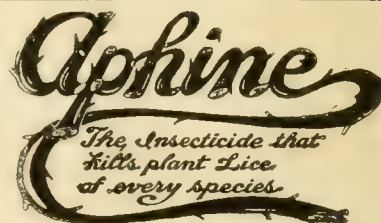


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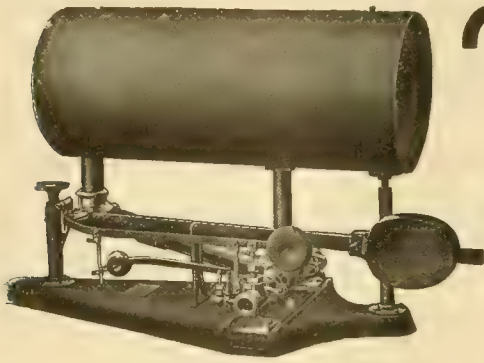
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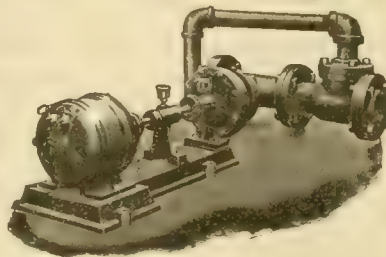
STOCK NOT PLENTIFUL.

The last few days winter has set in and the mercury went as low as five below zero. It snowed all day Friday, February 21, and turned cold over night. The cold weather came in time to prevent trees and shrubs from putting out buds. Stock is not so plentiful as some time ago and many funerals take all the good stock readily. Easter soon will be here and lilies will be very scarce. Hardly 50 per cent of the lilies grown for the Easter market will come in. Formosa lilies will be pretty well all gone and the Bermuda and Giganteum varieties are two or three weeks behind for a full crop. Violets and sweet peas are in their glory and sell well. American Beauty roses are very scarce and will be none too plentiful for Easter. Roses and carnations will be in full crop with most of the florists.

Theo. Wirth and wife of Minneapolis, Minn., spent February 21 at Council Bluffs, Ia. Mr. Wirth was asked by the Council Bluffs park board to read a paper on how to beautify the pretty wood covered hills around the town. The business men tendered Mr. Wirth a banquet at the Grand hotel. Mr. and Mrs. Wirth were guests of J. J. Hess and wife of Omaha Sunday night. Mr. Wirth is very enthusiastic over the S. A. F. convention to be held at Minneapolis next August.

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Vol. XL

CHICAGO AND NEW YORK, MARCH 8, 1913.

No. 1292

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Amflo, Chicago.
Subscription, United States and Mexico, \$1.00 a
year; Canada, \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August 3, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

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A March Song.

The crocus holds her golden heart
Close folded from the storm.
The robin finds in hemlock wood
A place to keep him warm.

Hepatica, her furry hood
Wears till the cold be past;
She will not lift her tender face
To meet this wintry blast.

But snowdrop, when the March wind calls,
Comes swiftly to his hall,
And let him with his icy dart
Pin on her bridal veil.

—Cora A. Matson Dolson, in Boston Budget.

SUGGESTIONS FOR EASTER TRADE.

Easter Preparations.

Easter, the great flower day of the year, is now almost at hand and the growers and retailers must both be prepared to meet the demand that will probably tax all the ability and capacity possessed. The grower has, of course, been a long time making preparations to have the stock in the pink of condition and the retailer should also provide himself with all the necessary stock and accessories at as early a date as possible. The supplies should be procured at least two weeks before the great day, so that the energies of all the force can be expended upon finishing the product, waiting upon the trade and seeing that the deliveries are properly made and the decorations arranged in an artistic manner. The stock of baskets for plants, ribbons and decorating them and tying the flowers, paper, boxes and numberless other supplies should all be looked over and where necessary replenished. It is poor business to wait until the last minute and worry over these details which can be attended to early and take time that can be more advantageously spent with the other necessary work. There will probably be something called for, the sale of which cannot be foreseen, so it is best to get everything that it is known will be required as early as possible.

Whatever plants are to be procured should be ordered early, and wherever it is possible a visit made to the growers' houses and a personal selection made. The winter has been unusually severe and it has been very difficult in many cases to keep up the necessary temperatures, and even where the heat has been maintained the plants have been retarded, so that much will depend on the three weeks before Easter to have them in the best of condition and it will pay the buyer to look over the stock. This should be done early, for the large buyers sometimes place their orders two months before Easter in order that they may be assured of the stock and of a good selection. No two plants grow alike and although as far as descriptions go they are the same, in pot, size and bloom, yet placed side by side one may be much more valuable than the other, so there is

much in selection, and it is a great advantage to anyone to go and inspect the plants in the greenhouses and to pick out the ones desired and have them held until the proper time of delivery. If baskets of plants are to be made up, and this is one of the growing features of the Easter trade, a supply of small ferns, asparagus and other greens will be necessary to properly finish them and these can be obtained at any time and be on hand when wanted. To successfully conduct a business when such a large increase for a few days is expected, it is necessary to do everything that can be done previous to the demands of the customers and at as early a date as possible.

Rambler Roses for Easter.

The rambler roses now occupy a very important place with the principal stores. The great improvement in varieties which has been made during the past few years has enabled the grower to present these beautiful plants in a great variety of colors ranging from the brightest crimson through the shades of pink to white, and the Baby Rambler produces a fine small plant well covered with bloom. The ramblers are grown not only in bush form but in many grotesque shapes, being trained as ships, umbrellas and in basket form. Hydrangeas, if well bloomed, are among the most popular Easter plants and they are very decorative, either in church or residence. While these can never be grown and offered at low prices, for a plant with four to six large heads will require much valuable space for a long period, yet they last a long time in bloom and the purchasers get their full value if they will but take proper care of the plant. Spireas are one of the best low-cost plants of the time. The older varieties make a splendid show for a little money and can be used very largely in church decorations. In selling the plant or in placing it in a decoration be sure that it is well watered before it leaves the store or greenhouse. Genistas are grown in quantity for Easter and many growers have them in fancy forms, such as baskets, pillars, pyramids and balls. Another yellow flowering plant that is

highly regarded in some sections is the acacia, beautifully grown specimens of these plants being displayed by the large dealers. Cyclamen in splendid shape are invariably offered for Easter and primulas, especially *P. obconica*, are grown extensively for sale at this time and many of the heaths are produced for the Easter trade. Another beautiful plant that is largely grown is the bougainvillea, and splendid specimens are produced of this showy plant and they always attract attention.

Easter Plants.

Easter has become a great plant day, not only for church decorations, but it has also been a growing practice with the public to make presents of blooming plants to friends at this time. First among these are the lilies which are grown by the thousands for the day. With all the disadvantages of weather and temperature which the grower has experienced this year, it looks as if the supply would be good. The general reports are that most of the stock is of excellent quality. The prices quoted, notwithstanding the increased cost of growing, are about the same as in previous years. Next to the lilies are the azaleas, and these are in very fine condition. The varieties grown are those which have attained the greatest popularity with the trade. Mme. Van der Cruyssen, Prof. Wolters, Empereur de Brazil, Niobe, Dr. Moore, Apollo, Bernard Andrea Alba, De Schryveriana and others not so well known. Bulbs are always grown in great quantities for Easter and thousands of pans of tulips, narcissi and hyacinths are annually bloomed for this great flower day. They make a gorgeous show and are emblematic of the awakening of spring which Easter symbolizes, and as they can be produced and marketed at a low price they are great favorites at this time. Lily of the valley in pans are one of the most popular Easter plants and these when well grown find a very ready sale.

Plant Baskets for Easter.

The sale of plant baskets at Easter is made as important a feature as it is at Christmas and they occupy a prominent place in the trade of the principal stores. They can be made up in beautiful combinations at this time, for there is a wealth of material for this work. The baskets can be procured at very low prices with metal pans in which the plants are placed, and by careful planning and buying, taking combinations can be put up at reasonable prices. A point that seems to be lost sight of by many growers is that in these plant baskets or boxes can be used much stock that cannot be disposed of in any other way. The most successful and careful grower of plants is sure to have some that are not perfect specimens, either growing more or less one-sided, or having one part not well covered with bloom; and these can be used advantageously in their plant combinations, making the basket less expensive and at the same time getting good returns for what would otherwise be a loss. This is a line of the business which ordinarily requires a fair degree of salesmanship to properly show the advantages of these beautiful offerings, but when they are properly put up and well shown they are a valuable feature of the Easter trade.

STERLING, ILL.—Fred Shanks has erected a greenhouse and is growing plants, cut flowers and vegetables.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

St. Patrick's Day Suggestions.

A charming Scandinavian legend tells us that when March winds begin to blow over the earth, playing softly on long reed pipes, the seductive strains of music penetrate deeper and deeper into the brown earth and awaken the flowers from their winter sleep and by and by little tender green buds come peeping to the surface. This is one of the many stories of spring typified by the green of St. Patrick's day. A good idea for this occasion is to station at each cover for the dinner or luncheon little shamrock dishes (obtainable from your dealer) fill each with little spring bulbs of the very small variety and use shamrocks as a finish. For the center of the table

would be an ordinary Irish potato of extra size utilized in this way: Cut out the greater part of the inside pulp, leaving a good outside crust so that it will not collapse easily. Fill with the tiny shamrocks. "St. Patrick's Day" can be written on the side facing the guest, using either gold or green lettering. Place them on a mat of shamrocks and make two tiny baby ribbon rosettes, attaching them to a toothpick and stick in each oblong end as a finish. In selecting the potatoes it is preferable to use the large California or Oregon specimens, as they have the desired oblong shape and are of extra size.

A centerpiece in the form of a high black stove-pipe hat lined throughout with some soft yellow material—silk is best—placing in it a "March Harp" sitting upon his haunches is a good idea. Crown the rabbit with wisps of



EASTER BASKET ARRANGED BY GEO. M. STUMPP, NEW YORK.

Rambler Roses, Acacia, Lily of the Valley, Pink Tulips and Ferns.

use a clover shaped centerpiece of emerald green surrounded with white carnations. In the center arrange white carnations gracefully about a miniature gilded "Erin's Harp." Tie the harp with vivid emerald green ribbons. Little green shamrock shaped baskets filled with tiny Irish potato bonbons would answer as souvenirs when tied with a fine cluster of shamrocks at one side.

An attractive and odd souvenir

straw to straggle over his eyes and place on his head a crown made of shamrocks. Put this in the center of a basket—the round flat kind in which white tulips and sprengeri have been arranged. Finish the centerpiece with a border of small shamrock plants. Around each pot of shamrocks tie a green satin ribbon and extend a streamer to each guest. The guest's name can be placed on the end and the shamrocks used as favors.

Daffodils, jonquils and masses of all the early spring flowers may be prettily arranged about the dining room if a more elaborate decoration is desired. In this case it would be advisable to adhere to a strict color combination, namely, either white and yellow or all white and all yellow, using the different groups in old-fashioned garden effect. For instance, if an open fireplace is to be decorated, place in the background the tall tulips of the double yellow variety and from this extend in semi-circles alternately white and yellow tulips, leaving a path down from the center which can be covered with white gravel and sprinkled with the green shamrock powder. The sides of the boxes or pots can be covered with a green moss. On the mantel boxes or potted baskets can be prettily arranged, using showers of shamrocks to fall over the edge in a sort of curtain effect. Green candles with shamrock shades will be a good setting if lights are desired. Mignonette can be effectively arranged in a cut glass vase in the center of a silver platter. Over this sprinkle little shamrocks. White clay pipes filled with small green candies and tied with green ribbons in groups of twos can be prettily arranged around the centerpiece. Or, Pat's hat of the smaller sizes can be filled with shamrocks and can be used alternately with the pipes, using the hats as souvenirs for the lady guests and the pipes for the men.

Easter Basket.

SEE SUPPLEMENT WITH THIS ISSUE.

The plant basket is one of the retailer's most popular offerings for Easter and there are a vast number of arrangements possible to catch the fancy of the public. In making up the basket care must be taken that the color effects and the shape of the foliage contrast well. The plants must not be too crowded, but should stand out well, each being permitted to retain its own individuality while adding to the beauty of the whole arrangement.

Rambler roses are among the most popular of plant basket flowers, although there are a large number of others equally beautiful and quite as popular. Tausendschon, Baby Rambler, Crimson Rambler and Lady Gay are all good varieties to use. In the accompanying supplement is shown a basket which illustrates the Easter idea and is both beautiful and unique. Here Dorothy Perkins is the variety of rose used and the effect is excellent, the foliage and flowers showing to the best advantage. The rabbits and the nest of goslings make one think immediately of Easter and both add greatly to the basket's value from the retailer's point of view.

Easter Suggestions.

The Easter lily, it is said, never bloomed until the day of the death of our Savior, and ever since that time has been used at Easter-time in token of the resurrection. A pretty basket or box of Easter lilies gives much pleasure to an invalid and child on that day as well as a token of thought or esteem to a friend. A new and pretty setting for a large bunch of Easter lilies was recently made with a matting holder in deep purple intended for a casket ornamentation. This mat takes the place of the bouquet holder on funeral designs and is of a

flat, oblong or square shape. The one described was caught up in the center with purple ribbon and tucked in at the ends by little folds to give it an artistic touch. One of these bunches was recently displayed in one of our up-to-date florist's windows and was made of specimen white carnations intermingled with the little white cluster flower called the "Star of Bethlehem." The flowers were grouped from both

low tulips. A handsome rosette of liberty satin ribbon of the same shade of the tulips serves as a finish at the top of handle and was taken in one strand down to the side of front part and another bow of ribbon attached. In order to make such an open top shopping basket practical in which to arrange the flowers it is advisable to use a stout wire around the inner top edge which will make it extend. A little



WHITE ENAMEL HANDLE BASKET, BY W. J. SMITH, CHICAGO.

Baby Rambler Rose, Genista, Primula Obconica, Fern and Asparagus. Tied with Light Green Chiffon and White Bow.

ends and tied in the center with ribbon bow. This also had the purple mat. This mat looks like tea ticking and has a fringe of about one inch. It is evenly woven and richly colored and makes a novel and pretty finish for the funeral bunch.

There are a great many new and pretty novelty baskets on the market and particularly are those novel made to imitate the shopping bag with deep gussets at the sides allowing it to spread, making a goodly space in which to arrange cut flowers. One such basket was of the natural straw with an orange border of straw at top and handle of straw. It was prettily arranged with the double white and yel-

low tulips. A handsome rosette of liberty satin ribbon of the same shade of the tulips serves as a finish at the top of handle and was taken in one strand down to the side of front part and another bow of ribbon attached. In order to make such an open top shopping basket practical in which to arrange the flowers it is advisable to use a stout wire around the inner top edge which will make it extend. A little

maidenhair will look pretty as a softening finish. Another pretty basket was a round pink straw of about seven inches in height with a handle suggestion of straw. This was arranged with the Butterfly sweet peas in the deep rose shades, and had just one fine pink Killarney rose in the center with a little of that new green leaf foliage now becoming very popular as an inexpensive finish, for it will last a long time.

The simple little violet baskets shown recently had bunches of New York violets arranged in them with a few deep red rose buds at one side and tied with a purple gauze ribbon. The combination is Frenchy and effective. The long

handled small Japanese brown tinted baskets look pretty with just a fine primrose plant in them—the tiny flowered primrose which has become so popular. A little chick or duck can be nestled at the side or top of the flower, fastened to it with a white satin ribbon. These little chicks and ducks are very inexpensive—one retail florist had a quantity of small ducklings in his window at 10 cents each. The little chicks or ducks arranged with the flower baskets give them more of the Easter spirit.

Greening Cut Flowers.

ED. AMERICAN FLORIST:

Please advise me of the best way to dye carnations and other flowers green.
J. C. L.

Success with this artificial coloring is best secured by dissolving the green dye powder in boiling hot water, about one quart of water for each package of dye. This makes a stock solution which should be kept bottled up and is enough to color several quarts of water. White carnations should be fresh and take the color best when just off the plants—before they have been put in water. Immerse the stems in the dye solution, the flowers absorbing the dye through the stems. Two or three hours in the dye is generally enough to give them the desired color. The stems should then be washed thoroughly and placed in jars of clear water when they are ready for sale. All other white flowers, such as roses and lilies, can be greened as easily as the carnation; in fact, yellow tulips, daffodils and other like flowers present very odd features when treated in this way. Care should be taken not to leave the flowers in the solution too long as too much color appears to shorten the life of the bloom.
K.

For a Children's Easter Party.

The table can be prettily arranged to look like a miniature pond. A large oblong pan can be secured of about three inches in depth. The plumber can make this at a small cost and paint white. This lake should form the center of the table, banked with smilax. Place in it floating swans, ducks and green frogs and some gold fish. In the center of the pond on a raised elevation place a "bunny." He can be a toy rabbit bought at a candy store or toy store. A cabbage leaf can be placed under the "bunny." Place in bunny's paws a carrot. Surround the entire centerpiece with a garland made of tulips and daffodils, using generously of the foliage. As favors use bon-bon boxes in cabbage leaf design and fill with candies made of carrot design. Tie on each bon bon box a small French nosegay made of small spring flowers in different varieties.
A. E. K.

NORTH TONAWANDA, N. Y.—The Parkes Construction Co., a new firm, has organized here for the purpose of manufacturing greenhouse equipment. Fred L. Parkes is manager. The company has opened an office on Webster street.

SCRANTON, PA.—W. H. Davis has sold his cut flower business to C. W. Baldwin of Wyoming. Mr. Baldwin plans a new greenhouse and other improvements. The Davis company was one of the oldest of its kind in the city.

THE ROSE.

Propagating By Grafting.

Propagating by grafting as compared with propagating by cutting seems irksome and tedious. Those who have had no experience in this class of work are usually a little afraid to make a trial, the bugbear of failure being ever present in their minds. Grafting operations usually begin in January and are continued by some growers even as late as May, but the most successful batches are those produced from the middle of January to the end of March, as during that period we have more control of conditions as regards moisture, temperature and light than when the season is further advanced.

The first essential towards successful grafting is to have a good frame or box in which to place the newly grafted stock. This can readily be converted out of an ordinary bench by boarding up the back and front so as to conserve the heat, much in the same way as we make a propagating bench for cuttings when pressed for room. But to get full benefit it must be as nearly airtight as possible. There should be sufficient piping underneath the bench to insure a temperature of 75 degrees to 80 degrees during zero weather. The bottom boards should be at least 15 inches above the piping, so as to be removed from the ardent heat. Have a covering of sifted ashes at least one inch deep on which to set the pots. This frame or box should

be fitted with glazed sash, leaving plenty of room for the plants without being too close to the glass.

The manetti stocks should be potted and brought in and placed on the bench some time previous to grafting, so that root action may be started, thus giving a supply of sap for the immediate support of the scion but not left long enough to cause the eyes to break. The scion should be of the same quality of wood as that used for cutting and should be selected with the same critical care. Many are the styles of grafting recommended, but as expediency and speed are the principal objects to be attained, nearly every propagator has his own, usually being the style at which he is most expert.

Whip grafting is that in most general use for indoor work. The manual part of this operation while being simple is rather difficult to describe, a very short object lesson being of more material aid than columns of descriptive matter. The fundamental principle pertaining to all styles of grafting is the necessity of having direct contact between the inner layers of bark in all the parts to be united, as without this a perfect union cannot be effected. The woody part of the stock and scion never unite but are usually so covered up by the outer growth that unless the parts are dissected it is never discovered. If this principle is attended to the style of grafting can be varied at pleasure with the same assurance of success. A keen edged knife is one of the first



EASTER DESIGN BY GEO. M. STUMPP, NEW YORK.

Cattleyas, Bougainvillea and Lily of the Valley.



WILLOW HANDLE BASKET.

Lilies, Hydrangeas, Rambler Roses, Hyacinths, Ericas, Primula Obconica, Palm Leaves and Ferns Tied with Light Pink Chiffon and Ribbon.

requisites, as a clean cut will unite much sooner than one made with a dull edge.

The scion should be tied firmly but not tightly in its place with some soft material that will not cut into the bark. Immediately after the scion is attached the plants should be replaced in the frame, syringed and the sash closed tightly. The case should be kept closed for the first ten days, opening it only for a few minutes night and morning to dry off the superfluous moisture and to change the air. As soon as union has taken place they should get a little ventilation, which should be increased gradually from day to day, keeping a careful watch that no wilting takes place. In about three weeks from the time of grafting, if conditions have been right, they can be moved to the open bench, where a temperature of 60 degrees at night can be maintained and given a light shade during bright sunshine for a week or so until they are hardened off, when the temperature can be reduced to normal. In syringing, they require more care than own root stock, as the scions are liable to get

detached if much force is applied. Otherwise they can receive identical treatment. From time to time they should be looked over and any suckers removed. If any of the tying material remains on too long it is apt to cut into the bark and should be removed after its use is no longer needed.

Easter Shrubs.

The flowering shrubs are forced in large quantities, lilacs especially being great favorites when the dwarf plants are to be obtained well covered with flowers. Both the white and purple are grown, Marie Legraye being the popular white and Charles X the purple. Wistarias are also to be seen and they make a beautiful decorative plant when well flowered, but they are among the most expensive offerings. The flowering prunus are forced by many growers and add to the great variety to be had at this season, and the metrosideros, or bottle brush, is always the cause of much comment and many inquiries by the customers if well bloomed.

The flowering plants are made very attractive, either by placing the pots in pot covers or by wrapping them in Porto Rican or raffia matting, or crepe paper, but care should be taken in the selection of colors that they are either in harmony or of decided contrasts, especially is this so with the shades of pink and red. Many plants are nicely ornamented by the use of ribbons, but here again the best of taste is required, for it is very easy to overdo this and also to injure the attractiveness of the plant by a poor selection of color.

FORT SMITH, ARK.—The Northwest Arkansas Fruit Growers' Association, a new organization composed of dissatisfied members of the Arkansas Horticultural Society, has elected the following officers: A. G. Boyle, Centerton, president; C. N. Miller, Springdale, first vice-president; W. P. George, Berryville, second vice-president; E. C. Downer, Rogers, secretary; J. C. Faris, Centerton, treasurer; A. D. Milsap, Farmington; C. S. Bouton, Springdale; H. W. Gipple, Bentonville; E. N. Hopkins, Fort Smith; E. N. Plank, Decatur, directors.

Some of Lemoine's Novelties.

FROM THE INTRODUCER'S DESCRIPTIONS.

New Hybrid Primulas.—Among the many introductions due to the celebrated explorer and botanist, E. H. Wilson, is the hardy *Primula Veitchii*, native of Le-Tchuen (China), a variety with downy foliage and purplish flowers, with golden yellow eyes. This species has been fertilized with the pollen of a variety of *Primula cortusoides*, resulting in vigorous hardy plants, with abundant foliage persisting throughout the summer and flowering brilliantly. The introducers hope to see them the beginning of a new race which will have a place in every garden. Another new one, *Primula La Lorraine*, quickly forms a large clump. Foliage of medium size, crinkled, curved and lobed at the edges. The lower side is very velvety. A seedling plant one year old carried 18 flower spikes, standing 26 inches above the foliage. They are stiff and velvety, with large umbels of 25 flowers, sometimes $1\frac{1}{2}$ inches in diameter and of a beautiful carmine rose color with a large bright yellow eye. Some of these spikes present a second circle of flowers. They have a sweet and agreeable fragrance. *Primula Ville de Nancy* is of similar foliage, perhaps a little more velvety underneath. Floral spikes are elegant. Flowers of a new form, the lobes deeply lacinated and toothed. Color is bright purplish carmine with yellow eye and very sweet in fragrance.

New *Hydrangeas Hortensis*.—In a sowing of several thousands of plants the results of an artificial cross between *Hydrangea Otaksa monstrosa*, *Mariesii*, *Souvenir de Claire* and *Rosea* have proved most satisfactory. Among the plants studied, a number have been chosen for introduction, either on account of freedom of bloom, size of flower, grace of form or beauty of color. Visitors to the Paris Expositions of 1910 and 1912 will remember the beautiful varieties *Avalanche*, *Bouquet rose*, *La Lorraine*, *Ornament*, *Mont rose* and several others which were highly praised and awarded a number of prizes. Another, *Hortensis E. G. Hill*, is the result of *Rosea* X *Otaksa*. It is of rigid stem, large horizontal inflorescence with medium flowers of soft rose color and extremely free blooming.

Viburnum Carlesii. — A Korean shrub, absolutely hardy, more or less wooly, resembling a little in wood and foliage the *Viburnum lantana*. Stems are light brown, leaves oval, toothed and light green. Inflorescence terminal, the buds appearing in Autumn. It develops in April. Produces large corymbs of flowers, all fertile and similar. Large, measuring $\frac{3}{4}$ of an inch in diameter, with a half-inch tube and five rounded lobes. Color rosy white, passing to pure white. Flowers exhale a delicious fragrance, as fine as that of jasmine, and when the plant is freed in a temperate house, the entire atmosphere is perfumed. The bush remains a low clump. The prediction is made that it will be used for forcing.

Peony Hybrid of *P. Lutea*, *L'Esperance*.—Vigorous variety with tall straight stems. Foliage similar to *P. Moutan*, which the plant resembles. Flower stems are rather stiff, flowers attaining eight inches in diameter, formed of eight to 10 rounded petals, waved and crinkled. Light primrose yellow, shaded Havana, with carmine

rose blotches at the base. Stamens numerous with blood red filaments and golden anthers. Pistils green surrounded with a bronze red tunic, stigma scarlet. Flowers June 5 to 15.

Deutzia Crenata Recta.—Result of a cross between *D. crenata candidissima plena* and *D. Vilmorine*. Forms a clump of straight and quite vertical shoots. Flower panicles pyramidal, perfectly erect. Flowers large and single, milk white, erect and crowded, plant of especially good habit.

Eliminating Funeral Flowers.

The news from Cincinnati to the effect that one of the large Catholic parishes in southern Ohio has announced that in the future "no funerals to which flowers are permitted to be sent will be permitted in the church" places an issue up to the florists' trade, which, if permitted to become generally effect-

be contributed to charity to help the living. This, however, was merely a suggestion and no adverse effects have thus far been felt by the florists resultant therefrom; but this church order is reported to be mandatory and prohibitive, and the statement comes from one of the parish managers that this is the beginning of a nation-wide movement to eliminate flowers from funerals.

This action should certainly arouse the progressive florists, including those directly and indirectly interested in floriculture in a commercial way, to the absolute urgency of a concentrated organization within the flower industry to counteract the adverse influence of such an order. It is not a condition that can be coped with by local publicity committees, for it would not be a local but, as above stated, a nation-wide movement if it persisted. Local publicity committees under a proper



SOME OF LEMOINE'S NOVELTIES.

Primula Hybrida La Lorraine.

ive, will mean a decided curtailing of one of its principal sources of revenue. It is only about a year ago that one of the leading Jewish charities of this country advocated that the money usually spent for flowers at funerals

head, such as a national bureau to govern them, could be developed into strong forces for good in their respective communities, but no committee constituted of florists, seedsmen, suppliers, etc., could ever be found

sufficiently capable to stem the effects that a church movement as the one referred to would have on the public. It will require a man on the job who has had practical experience and who knows the publicity game from A to Z to instigate a country-wide public sentiment against abolishing the time honored custom of burying our dead with flowers and thus making unpopular any attempt of church or charity to abolish it.

There is no necessity for the flower industry to experiment as to how it can best obtain this publicity essential to protect its interests and to further develop its business. There are established policies now employed by much larger industries which have been proven productive of great results. The flower industry can benefit by these successes, if it will but investigate and adopt these tried and tested methods. The time is most opportune and the publicity most needful. The subject is of such vast importance to the entire industry that a special session should be given up to it by the S. A. F. during the week of the third International Flower Show with a view of formulating some definite plans for immediate action.

My interest in this is not inspired by any philanthropic motive. The market for my products is the florists' trade; an increase in that business means gain to me, and a decrease means loss, so that the interest I manifest in publicity may even be regarded as mercenary. For the good I expect to derive from it, however, I am quite ready to come across with my share to make up an appropriation to set the wheels in motion at once and no doubt there are many more willing to do likewise if the opportunity is presented to contribute to a plan which will give promise of real achievement.

M. C. EBEL.

Mealy Bug on Ferns.

ED. AMERICAN FLORIST:

Our pot ferns have, for some time, been badly infested with mealy bug. How can we get rid of the bugs without injuring the ferns?

Pennsylvania.

J. H. T.

It is not an easy matter to get rid of mealy bug on ferns without doing some injury to the ferns, for while the fully developed fronds of many varieties may stand, the use of strong insecticides without injury, yet the young fronds that are just unfolding are almost sure to suffer to a greater or less degree. I would try cutting out the worst fronds and then giving the plants a dip in nicofume solution, the solution to consist of one part of nicofume to 500 parts of water, and repeating the dip after three days. Do not expose the plants to the sun for a few hours after this treatment.

W. H. T.

CHARLESTON, S. C.—C. M. Newman, for the last 11 years a florist of this city, has sold his business to John Salmon of Baltimore for the sum of \$20,000.

LOUISVILLE, KY.—The Louisville Garden Club plans to promote vacant lot and backyard gardening on a wide scale this year. The city will be divided into twelve sections, each with its own supervisor and all under an expert to be chosen by the state department of agriculture.

THE CARNATION.

The Spring Routine.

The winter season is drawing to a close and the bright days of spring will soon be with us, bringing with them the necessity of changing a little the general routine in the care of the plants. Now is the time that red spider will be troublesome if not kept in check by syringing the plants occasionally. Choose a bright morning about once a week (or as the weather will permit) and syringe thoroughly the under parts of the plants. An even temperature, closely watching the airing of the houses and paying strict attention to guard against the temperature inside becoming too high and dry, is one of the surest means of preventing red spider.

growth of the shoots before they have a chance properly to expand and in a very short time there is a crop of twisted and yellow-tipped shoots leading to affected buds and flowers. This trouble can be avoided by the regular use of the insecticide every ten days or two weeks.

The soil in the beds that have not been replenished by mulching earlier in the season will now be in need of this mulching to carry the plants through the late spring or early summer. The material for this purpose should be thoroughly well rotted cow manure or cow and horse manure mixed, but it is very important that it be well rotted. If there is any doubt about this it is the safest plan to mix considerable soil with it. Green manure put on the beds as a mulch at this time will cause the stems to



SOME OF LEMOINE'S NOVELTIES.

Primula Hybrida Ville De Nancy.

Another very important work that should be looked after very closely is that of fumigating to keep the plants clean of green fly. This pest is usually very active at this season when the plants are making heavy growth. They commence to get hold of the new soft

become very brittle and snap with the least touch; it also causes the calyx to split and is very likely to start stem rotting. A thick mulch should be avoided. About one-half inch thick is plenty. This gives the grower in charge a chance to keep the lower

part of the beds in the right condition, which is very much harder to do when a heavy mulch is put on. Extra care in the watering directly after putting on the mulch is very necessary, as it is essential to guard against the soil getting too wet.

The young stock now being worked along for next season's planting should receive every care necessary to keep them growing along. If enough stock to meet the requirements have not been provided it should be attended to at once either by putting in the cuttings or purchasing the shortage. The cuttings will take considerably less time to root now than they will three or four weeks later and they need all the time from now to planting time to grow into thrifty, hardy plants.

As quickly as the cuttings become rooted in the propagating bed pot them up and do not allow them to remain long in the sand to weaken their roots. The care of the flowering plants as regards temperature, airing and keeping the insects in check also applies very particularly to the young stock. They delight in a cool temperature, plenty of fresh air on every favorable occasion and the soil at their roots kept moderately moist. The early propagated stock that has become well rooted in the pots should be shifted along into larger sizes as they need it. Also pay close attention to the work of topping these young plants to give them every chance to break freely and make sturdy stock in time for planting out in the field.

C. W. JOHNSON.

Experiments on Stem Rot

AT ILLINOIS UNIVERSITY.

A number of fungus diseases of greenhouse plants have been under observation during this past year, and some interesting data have been collected. However, as a number of experiments are still in progress, it is thought better to give a short resume of what is being done. Following the plan of last year, most of our attention has been confined to one disease, namely, "wet stem rot" of the carnation. The work was taken up where — Anderson dropped it and along very similar lines. One-half of a house is devoted to experimental work, such as methods of control, infection, etc. Most of these experiments are still in progress. In the laboratory experiments are now being performed on the relation of the fungus to light, temperature, moisture, acidity and alkalinity. A number of strains of rhizoctonia from various hosts, potato, clover, corn, bean, carrot, thistle and other vegetables, were obtained from various sources during the past year. These were compared with the rhizoctonia from the carnation. While these different strains do show cultural differences in the laboratory, it still remains to be seen whether they will show varying powers of infection on the carnation.

The objection of the experiments at the present time is to determine whether the strain of rhizoctonia from the carnation host alone or those from all other hosts can produce stem rot of the carnation. If the first statement proves to be the case, then the matter of controlling stem rot will be simple, for it will be merely a question of eliminating the diseased plants. On the other hand, if other strains of rhizoctonia are able to attack the carnation it will be a difficult problem to work out a means

of control, for one will never know when the plants will be attacked in the field. Further, the soil brought into the greenhouse if taken from a field on which the hosts named above have been grown, might be infected with rhizoctonia. This question is of fundamental importance. From observations in the carnation field last summer, the following conclusions, some of them no doubt being well known, but which can probably bear repeating, may be made:

(1) When plants are put out in the field in the spring they are very liable to be set too deep, which perhaps may bring about some morphological difference in the stem just at the surface of the ground, causing the plant to become more susceptible to stem rot. Great care should be exercised in planting the plants just the required depth. This should be done again when the plants are taken into the house in the fall.

(2) From data collected from diseased plants in the field, a plant with a single stem which breaks one or two inches above the surface of the soil is much less liable to stem rot than a plant breaking just at, or slightly

below, the ground. The reason is obvious. The branches of a plant forking at the surface of the ground are very easily broken off in different ways. They generally break at the base, so there is exposed a wound, through which fungi can easily enter. The wound is later covered with soil, and so it is an easy matter for the fungus rhizoctonia to enter the exposed tissue and produce stem rot. A large number of plants examined show that in the majority of cases the fungus gains entrance through a wound of this kind.

(3) Cultivating too deep and throwing the soil up around the plants also produces a condition more favorable to rhizoctonia. Great care should be exercised not to injure any of the plants with the cultivator.

(4) If stem rot is present in a carnation field all dead or wilted plants should be pulled up as soon as noticed and the soil surrounding the plant should be soaked with a fungicide, preferably formalin. It can be applied in the dilution of 1:200. Formalin is very desirable in this work, as it will kill the mycelium of the fungus rhizoctonia in the ground; it is inexpensive; the



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Hydrangea Hortensis E. G. Hill.

fumes of the formalin escape from the soil quickly and it does not injure the soil in any way.

Concerning the work in the greenhouse, only general statements can be made at this time. A number of agents for sterilizing the soil were tried, including steam and a number of fungicides. The experiments were conducted in the following manner: The soil was first infected with soil cultures of the fungus rhizoctonia grown in the laboratory, and then half of it was sterilized, the other half being left as a check. In the steam sterilized bench no plants have died, while in the bench infected with rhizoctonia and not sterilized the loss due to stem rot is 60 per cent. The fungicides Bordeaux mixture, copper sulphate and sulphate acid, all gave poor results. Formalin applied at the rate of 1:200 and the soil allowed to dry for a week has given excellent results, none of the plants being diseased up to this date. The application of limestone also appears to retard the growth of rhizoctonia. Next year we will confine all our efforts to steam sterilized soil, the formalin treatment and the application of limestone.

Steam sterilized soil appears to have one serious disadvantage, mainly that the growth of plants is slightly retarded for the first two or three weeks. There seems to be no satisfactory explanation for this phenomenon. A number of infection experiments have also been conducted in the greenhouse. These bear out the general conclusion reached by a number of the growers. The first set of plants inoculated with the fungus rhizoctonia one week after the plants were set in gave almost 100 per cent of infection inside of two weeks. This was especially true with plants inoculated with a strain obtained from diseased plants from the field a few weeks previous. The second set of plants inoculated a month later produced a much lower percentage of deaths and a longer period of time before death occurred. A third series of inoculations has produced infection in only four out of twenty plants; in each case these plants were wounded at the point of inoculation. The first death occurred almost two months after the plants had been inoculated, showing that the progress of the fungus at this season is very slow indeed. The rest of the plants are still healthy. The most obvious reason is that the plants are much stronger and are able in most cases to withstand the attack of the fungus.

Steam sterilized sand has been used for cuttings in the experimental work and has proved satisfactory. To date no rhizoctonia has been found in any of the carnation cutting beds at the station and it is very doubtful that the disease is carried in this manner. It seems more probable then that the plants are first attacked in the field, and as men have stated before, it is of the utmost importance to know whether strains of rhizoctonia infecting various plants in the field are also able to attack the carnation plants. While rhizoctonia has not been found in the carnation cutting bench other fungi have been constantly noticed. The most important of these is the fungus fusarium, which also causes "the dry stem rot" of carnations. The cut ends of the leaves are first attacked, the fungus



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Viburnum Carlesii.

then passing down the leaf into the stem and finally killing the cutting. This disease is easily recognized in the first stages by the wilting and drying of the infected leaves which turn yellow and then brown.

A rhizoctonia was found last fall in the cutting bench, causing some damage to cuttings of coleus, salvia and alternanthera. The origin of this fungus in the bench was followed out and it gave a very interesting example as to how a fungus may be brought into the greenhouse. The cuttings of alternanthera were first attacked, so the bed outside was examined to see if any of the plants were infected. However, all plants appeared to be perfectly healthy. On closer examination of several of the plants, a brown mycelium

was seen ramifying between the numerous closely packed branches and leaves of these plants. When taken into the laboratory and pure cultures made of this fungus, it was found to be the same fungus causing the damping off of the cuttings inside. Here we have a very interesting case of a fungus being protected by a plant and tided over unfavorable conditions. As the plants were normal and healthy the fungus was unable to infect the plant, but just as soon as it was brought into the greenhouse with the plants and introduced into the cutting bench conditions were very favorable for its growth and development, and it was fully capable of attacking the cuttings.

One of the most important factors in the control of stem rot in the green-

house is the careful selection of carnation plants when brought in from the field. Last fall every plant that showed any signs of disease as well as all unhealthy or damaged plants was examined. As a result only a few plants have been lost on account of this disease. This matter of selecting plants is, therefore, a very important factor in the control of this disease. If occasionally a plant is killed by rhizoctonia in the greenhouse it should be pulled up immediately and the soil drenched with a solution of formalin. A fresh plant should not be put in until the soil is dry and it should receive careful treatment. Four plants replaced in the same place have been seen to die, in each case for the simple reason that they received the same treatment as the surrounding plants, which were strong and healthy and had been growing for some time, and that the fungus was still present in the soil. The problem of the control of the wet stem rot is far from being complete, but experiments give some encouragement so that in the near future a method of control will probably be found for this serious disease.

Another disease which causes more or less loss to growers of carnations is the so-called dry stem rot, which I suggest be called "branch wilt" to distinguish it more sharply from the wet stem rot, due to rhizoctonia. This "branch wilt" is due to a species of the fungus fusarium. This fungus has never been seen to attack a healthy growing carnation plant. It gains entrance to the tissue of the part in each case through wounds and cuts on the plant. The spores which are everywhere in the soil and air of the house are able to germinate in a drop of water, so that if the plants are wet and a flower is cut the spore will germinate on this cut surface and work its way into the branches. When the young shoots arise they grow until the fungus reaches the base of the shoot and in a short time the shoot will wilt suddenly and die. The fungus is rarely able to kill the whole plant. By looking over a carnation house infected with "branch wilt" the dead branches are very conspicuous and characteristic of this disease.

The only control that can be suggested at this time is absolute cleanliness of the house. As this fungus is able to grow on dead leaves of the plants as well as on and under the branches, such conditions should not be tolerated. Overhead watering should be discontinued as much as possible, especially in cloudy weather. "Yellows," as I shall call this disease for the present, to distinguish it from bacteriosis and stigmomose, is widely distributed throughout the state, and from reports seems to be increasing rapidly. The trouble starts in the young leaves and is first noticed as small pale green areas, varying in size and shape. On holding an infected leaf up to the light the dots appear translucent. These spots become more distinct and turn yellow, while the tissue beneath collapses. The trouble is confined not only to the leaves, but in badly infected plants the branches and flower stems may be covered with the yellow elongated spots.

Several distinct forms of "yellows" can be recognized, which differ in general appearance and subsequent behavior. The early stages of the first

type consist of small translucent dots, scattered irregularly through the leaf. At first they are a paler green than the surrounding tissue, but distinctly delineated from it. The spots increase more or less rapidly until they reach a diameter of 1 to 8 mm. Most of these spots are approximately circular but may be irregular in outline, rarely elongated. Few of the spots coalesce in this form. This type is especially noticeable on the White Enchantress. A single leaf may have from one or two to fifty or more spots, depending on the extent of infection. Another characteristic of this first type is that the spots do not tend to make the leaves brittle.

The development of the second form is similar to the one above, except that while still in the early stages the spots coalesce and become very much elongated, so that a single spot may be one to two inches or more in length. On badly infected leaves these elongated areas run parallel to the mid rib and have a sort of flaky appearance. The leaves become very brittle and are very easily snapped off. In the later stage the tissue beneath the areas collapses, the spot becomes sunken and finally turns brown as the leaf dies. This type of yellows is found in the Beacon and Pink Enchantress and is, as a rule, much more destructive than the first type.

A third form may be mentioned here, which is found only on the red-flowered varieties, as Beacon. Here the areas in the late stages take on a purplish color and are slightly raised. It is not known whether this form is the same as the others or not. The

Microscopical observations show no rupture of the epidermis and with a lens the bloom on the leaf above the spots appears to be undisturbed. The chloroplasts are lighter in the diseased areas but do not seem degenerated. No bacteria or fungi are present except when the epidermis of the leaf is broken down. No insect punctures, as have been described by Woods, have been observed; in fact, no collapsed tissue can be traced to the epidermis except in later stages, when the tissues have collapsed. No explanation as to the cause of this disease can be given at present. However, preliminary experiments have shown that the disease is not transmissible from one plant to another, but that it is carried from season to season by means of infected cuttings. Until the cause has been determined, the suggestion is made that no cuttings from plants that show "yellows" be taken; and if any plants show these spots at any time from the cutting bench stage to the time they are brought into the house in the fall, they should be discarded. In this way the disease to a large extent will be eliminated.

A bacterial disease of begonia, or rust as it is commonly called, was under observation last fall on begonias of the Lorraine type. The extent of this disease is not known, having been observed only in the station greenhouse. The trouble first appears as very fine rusty colored spots on the leaves. These rapidly increase in size and finally kill the leaf in some cases. Even if all the leaves are not killed outright they are so spotted that they are rendered useless for show purposes.



SOME OF LEMOINE'S NOVELTIES.

Pe ny l'Esperance.

red-flowered varieties are also susceptible to the second type, besides this third form. As new shoots arise they become infected, while the old leaves at the base of the plant die off, giving the plant a very diseased appearance. While "yellows" does not kill the plants outright it renders them useless, for they will produce only a few imperfect flowers, and in only slight attacks of "yellows" it retards the growth of the plant.

The spots are due to an invasion of bacteria, which occurs only when the leaves are wet. The spray from the hose striking the leaves causes the tissues beneath to become slightly water soaked. When this occurs it gives a favorable opportunity for the bacteria to enter and finish the destruction.

It might be well here to give a brief review of the history of the Lorraine type as it suggests a proper treatment of this disease. B. Socotrana was discovered by Dr. Balfour on the Island of

Socotra in the Mediterranean Sea. The semi-tuber was found growing on the hot, sandy, arid soil of this island. It was later crossed with B. Dregi, a native of Cape of Good Hope. B. Gloire de Lorraine was the result of this cross. From the history of this type, then, it can readily be seen that the plant was not accustomed to much water and that by overhead watering the plant becomes more susceptible to this bacterial disease. The method for the control of this disease is to place the plants on inverted pots, to give them plenty of room and to discontinue syringing the leaves. In this way the bacteria will not be able to pass through the epidermis, and so no spots will be formed.

This same disease was noticed in cuttings taken from rusted plants. Here the cuttings rotted badly and a large per cent of them were killed. This bacterial disease has not been observed on other varieties of begonia. There has lately been found a crown rot of *Primula malacoides*, and if any of you are troubled with this disease I would be very glad indeed to receive material and suggestions from you.

G. L. PELTIER.

CHRYSANTHEMUMS

Best Commercial Varieties.

In considering so broad a subject as the above, the writer must be farsighted to discern those best suited for the average grower. In the first place, there are so many who grow for the trade, each vicinity demanding certain kinds in varied quantity, and on the other hand some retail their entire product, while others consign entirely, so that sorts which would meet the requirements of the former might not be the most serviceable to the latter, inasmuch as the entire output must be of such quality as to permit their being handled several times before they reach the consumer. To look at this subject from all sides it is necessary to keep constantly in mind the most important characteristics favored by the majority interested in this specific branch, owing to the fact that the returns received indirectly indicate either profit or loss for the season's work.

When we consider the million or more plants and cuttings transplanted to and from all parts of the country, varying in variety as they do, that these transactions represent the scrutiny of our ablest and most brainy buyers, we must decide which of these characteristics are the most staple. Let us first consider the likes and dislikes of the flower buying public in making these deductions. It is true the customer is often indifferent, being influenced or swayed in deciding by the judgment or preference of the salesman. Such indifference is usually applicable to quantity to be used or the style of arrangement most suitable for the occasion, rather than the color, which is the pre-eminent factor in producing the desired effect. So we must give color first place. Fullness varies the form, and so in conjunction with color has a decided influence upon the artistic phase of all kinds of arrangement, for "Grace gives charm where mass might harm."

In summing up these conclusions it is evident that color and form are of major importance to the average pur-

chaser. It is also important that such gifts be fresh and in a condition to insure the recipient of as many hours of pleasure as possible. This factor, which is known as "keeping qualities," and which is termed also "substance," is modified by the amount of firmness of the tissue which nature imparts to the petals and is of a constitutional character, although it may be more or less changed by the conditions governing this quality, namely, the fully developed or semi-developed state when

blooms from this space as we should. Some are malformed, while others are off color, especially where early buds were selected. We shall try it another year but fear its merits will not warrant our retaining it very long; in fact, we are now looking for something better."

At this point we have pictured a perfect flower from the consumer's standpoint, and now let us consider the qualities requisite for perfection from the grower's point of view. Those who re-



SOME OF LEMOINE'S NOVELTIES.

Deutzia Crenata Recta.

cut or the conditions under which they are kept after being cut.

For certain kinds of arrangement those possessing strong, rigid stems are superior to those which are more or less limp. At this day and age the public demand long stemmed flowers with foliage abundant and perfect so that any curtailment along these lines is considered a defect, even though a minor one. Another peculiarity which often receives only slight consideration is the high percentage of perfect blooms that can be cut from a certain space. You often hear the following expressions when inquiring as to the merit of certain kinds: "We have made more money from this bench than any other, having cut a larger percentage of high-grade blooms than from equal space elsewhere." Another will say, "Yes, we like it and yet we do not. The color is fine and it comes at a time when there is good demand, but we do not cut nearly as many perfect

tail their entire cut do not seriously consider these qualities, inasmuch as they know there will be no trouble in disposing of any kinds regardless of quality, owing to the varied uses to which they can be put. Those who consign must look more closely for existing faults, rejecting such as have weak stems, fragile flowers which shatter or muss easily and such as will wilt quickly after cutting, as well as those which are not of the best form, thereby becoming bruised or discolored in the course of packing, also those possessing undecided color.

When these qualities have been carefully considered and the most promising kinds selected then ascertain which of these will come to the highest state of perfection in the least time and also if subsequent stock can be propagated and again brought to this state without great loss of time and space. In summing up we find those best adapted to this purpose are those possess-

ing the most popular colors, namely, white, yellow, pink and a limited number of red. Why? Because they are in greatest demand. Those with best keeping qualities and having the longest stems and ample foliage are more serviceable to all concerned. Those developing perfect blooms, even if not planted early, are more profitable, permitting other stock to be grown and disposed of from the same space, with the advantage of requiring less labor

Among the extra early flowering sorts are Golden Glow, Smith's Advance and Unaka. Those flowering in early October were formerly known as early, but since the advent of the foregoing are now considered second early are represented, as follows: Chas. Razer, Chrysolora, Comoleta, Donatello, Early Snow, Gloria, Ivory, J. K. Shaw, Monrovia, October Frost, Pacific Supreme, Pink Ivory, Robt. Hallday, Virginia Poehlmann, Yellow

the pompons and a few of the most upright growing anemones and singles may be added. The grower who retails his crop can with impunity add a great many of the exhibition sorts and increase the list of anemones and singles. Such a course is permissible for the sake of variety, as an infinite number of striking colors and artistic forms are thus made available to customers who demand these novelties in a limited quantity.

ELMER D. SMITH.



FLOWER MARKETS OF PARIS.
View of the Madeleine Flower Market.

and time devoted to their maintenance. The season of flowering has nothing to do with the financial end of this question further than the variation of the market, at certain periods better prices prevailing than at others. All that confronts the grower from this angle is the possibility of unsatisfactory prices when the crop is harvested and his ability to grow the most useful salable grade, when size, color and other conditions are considered. As to the best varieties, this depends wholly upon the fact previously set forth and the growers to produce stock which will merit remunerative returns and constant demand. The production of such stock is not certain under all conditions and in all localities, owing to the fact that climatic influences and other local differences often enter into the case and prevents the grower from securing as favorable results as a near or distant neighbor may be blessed with. Such varied results are usually due to the lack of knowledge of the person caring for such crops. Those called upon to suggest the most suitable kinds must be blessed with a thorough knowledge of the kind best suited and with the courage to maintain their convictions. Those who recommend such as are usually included in the exhibition section must be assured that size, finish and earliness do not constitute commercial qualities in the literal sense, unless associated with other good traits. It is preposterous for one person to imagine he can discern all these qualities, intricate as they are, and suggest only the best. Every grower has his favorites which seem to respond to his treatment, while others of apparent equal merit are stubborn and do not respond to his best efforts. In conclusion, it will suffice to say the following kinds meet the commendation of most of the growers who consign.

Ivory and Yellow October Frost. Of the mid-season kinds the following are considered best: Aesthetic, Antique, Col. D. Appleton, Crocus, Dick Witterstaetter, Dr. Enguehard, Geo. W. Childs, Golden Eagle, Golden Wedding, Mrs. W. E. Kelley, Major Bonaffon, Nontero, Patty, Pink Gem, President Roosevelt, Ramapo, Roman Gold, Timothy Eaton and Yellow Eaton. In the so-called late section we find the best are as follows: W. H. Chadwick and its several sports, December Gem, Harvard, Helen Frick, Intensity, John Burton, Jeanne Nonin, Maud Dean, Mrs. J. Jones, Nagoya, Venetta, White Bonaffon, White Helen Frick and Yanoma. To this list the majority of

Flower Markets of Paris.

The flower stalls of Paris, like the tea houses of Tokio, are institutions indelibly impressed on their environment. The Parisian public demands its cut flowers the year round, as well in the dog days, as in the bitterest, brightest cold of winter. In the summer the cut flowers of the Paris markets are supplied by the growers in the environs, but during the winter months hyacinths, narcissus, roses, renoncules and carnations arrive literally by millions of shipments during the season from the south of France. One little town, Ollioules near Toulon, on the shores of the Mediterranean, alone sends a quarter of a million colis postaux each year from October to May.

The Rapide des Fleurs, or the "Cut Flower Express," of the Riviera runs express from Marseilles on the same schedule as the celebrated Cote d'Azur Rapide de Luxe, Europe's fastest and most luxurious express train. En route from Vintimille to Ollioules it stops at every flower growing station and loads up its ten freight cars with countless thousands of baskets of cut flowers, which are sorted by a train crew en route as the letters are sorted in a mail van, for this cut flower express also carries its precious freight to London, Berlin and, once a week, even to St. Petersburg, certain of the cars being switched off before arriving at the Paris Gare de Lyon. This train of flowers is one of the remarkable industrial enterprises of old Europe. In 1909 Riviera flower growers sold on the Paris markets carnations to the value of over two million francs, roses for a million and a half, half a million francs' worth of violets, and hyacinths and narcissus



FLOWER MARKETS OF PARIS.
A Hyacinth Plantation in Southern France.

of a value too great even to estimate. A dozen or fifteen hours after these blooms were actually growing in the warm sunny corners about Ollioules, Hyeres, or Antibes on the shores of the Mediterranean are to be found for sale on the side walk stalls opposite the Madeleine and the Palais de Justice at much lower prices than those of Broadway or Piccadilly.

Alphonse Karr, the *ecrivain-jardinier*, was a great admirer of the flora

stallation is very crude and altogether insufficient and inconvenient from all points of view, but recent agitation promises to remedy all this.

The flower market is held in a vast open space which separates several of the ten pavilions of the general markets, or halles, under the shadow of the Eglise de St. Eustache just back of the Quartier de la Bourse. In this cold passage, open in winter to all the winds that blow, almost from

the sale opens. The stock is spread out on the bare pavement, perhaps even in the middle of the street. Each seller pays by the day for the space he occupies thirty to forty centimes a square metre, according to whether he is sheltered or in the open air, say six to eight cents a square yard.

When the temperature is very low, during the long dark nights of winter, the flowers are covered to protect against any damage that might possibly diminish their commercial value. They have less to complain of than their unhappy watchers shivering against the biting cold north wind, with only such solace as they can get from a concoction of chicoree and petits verres at the neighboring cabarets. The sale begins at three o'clock in the morning in summer and four in winter. It is then that the activity and animation of the market are really remarkable. There are no retail buyers at this early hour; all business is conducted as between growers or their representatives, and wholesale and retail dealers. All are apparently known to each other and the business is transacted as enigmatically and rapidly as the deals on the stock exchange. Chiefly the flower buyers at the "halles" are only the intermediaries, or jobbers, who buy to re-sell again. Some clever dealers will buy at the beginning of the sale, when there are many flowers at a low price, and when prices have risen dispose of their stocks at a great profit. These dealers are the despised of their race and are called "regrattiers." Auctioning is not allowed at the halles; only two individuals have this privilege for flowers in all Paris, and they pay ten thousand francs a year license. They are carefully watched and no disorder is allowed and, as far as can be, absolute veracity and probity is assured.

There are two classes of individuals which render great services to the flower dealers of the halles—the *Commissionnaires en Fleurs* and the *Forts des Halles*. *Commissionnaires* to the number of forty facilitate the access of foreign (country) products to the Parisian markets; their services can hardly be dispensed with any more than those of a broker in dealing with a customs house or a lawyer for a



FLOWER MARKETS OF PARIS.

Quai Aux Fleurs.

of Mediterranean France, and to acquaint the great Paris public with its variety and charm he sought, something like forty years ago, by every possible means to bring it to public attention, with the result that it was not long before bouquets of violets and roses of Nice and Hyeres were articles of current consumption in all the faubourgs. The growth of the industry since the dilettante days of the author of "Guepes" has been of a magnitude undreamed of by that flower lover. From Karr's celebrated and picturesque *Maison Close* at St. Raphael—still a stock sight for tourists passing that way—the author first set the machinery in motion which gave a new employment to thousands of residents of Maritime Provence. And who shall say, after this, that poets are not practical? Whether the flowers come from the environs of Paris or from a distance, upon entering the capital they all converge upon the Halles Centrales, from whence they retake their course in different directions, following the buyers from all parts. Every night at the Paris Halles is to be witnessed a wonderful spectacle. Those outside the trade know little of this and rarely assist on account, perhaps, of the inconvenience of the hour. At all events this great flower sale is a thing to see, this flower market, or Crie, the largest in the world. Then, and then only, may one have an adequate idea of the importance of the cut flower traffic of Paris, and of the numbers of people that occupy themselves therewith. In no other city, London perhaps excepted, is there any semblance of flower traffic on a similar scale. The public flower sale at Paris is not at its best either, for there is no pavilion devoted to the traffic; the present in-

the beginning of nightfall the arriving shipments of cut flowers are stacked up mountain high, each variety to itself as in the stalls of a meat, fish and vegetable market. First come the arrivals by the railway, small baskets of split reeds enclosing their precious merchandise from the Midi just disembarked from the cars at the Gare de Lyon. Then come the horticulturists from the environs of Paris, their products in two-wheeled, hooded carts. If they come from a great distance a boy or man is sometimes sent on ahead to hold a good place, the carts arriving only just as



FLOWER MARKETS OF PARIS.

The Madeleine Flower Stalls.

case in court. The horticulturists of the provinces do not always have their own representatives at Paris to receive their product and offer it in the markets. In this event they have recourse to a commissionnaire, or broker, who takes charge of the receiving and selling of the grower's product, collecting therefor and naturally keeping a profit for himself—sometimes a substantial one. Situated in the very

Easter if it comes early in the season. The number of horticulturists and market-gardeners who bring their flowers to the Paris halles also vary in number according to the season, their activity diminishing after autumn. The average is about two or three hundred, bringing altogether perhaps eight thousand baskets a day.

The "Forts des Halles" are celebrated; they are an old corporation

above all, if he has been spry enough to secure a good place for his client. By nine in the morning all flower selling at the halles is over and the little hand carts of the ambulants, full to overflowing, are making their way to their own quarters and faubourgs. Now the country growers, the horticulturists, take to the "grand routes," sleeping the sleep of the just and leaving their horses and carts to encumber the traffic to the great rage of automobilists, until they arrive at their gardens, ten, twelve and twenty kilometres out over the Route d'Orleans, the Route de Quarante sous or the Route des Ambassadeurs.

The eleven officially controlled retail flower markets of Paris have no intimate connection with the wholesale market of the halles. Here are sold cut flowers of a prime quality, generally done up in bouquets, but chiefly the specialty of these municipal flower stands is the selling of potted plants. Certain of these flower markets are very ancient and many of them are celebrated in the history of Paris streets. That of la Cite, by the banks of the Seine, just beneath the majestic tour de l'Horloge of the Conciergerie, has occupied the same site since 1809. It is known as the Quai Aux Fleurs. The flower market of the Madeleine dates from 1834; that of the Chateau d'Eau, in the Place de la Republique, from 1836; that at the Place Saint Sulpice from 1845. Seven others of these Paris flower markets have been open since 1870, so one infers that the traffic is constantly increasing, and so it is. These flower markets are a typical Parisian institution and their owners could in no way be induced to give up their picturesqueness and traditional aspect for an installation more nearly perfect and comfortable.

The Paris flower stalls consist chiefly of a simple frame covered with an awning, or "bache," to protect the merchandise from the elements. Cut flowers of all hues and colors and rows of potted plants half wrapped in curiously folded white paper often cover a hundred yards of sidewalk. In the midst of this fragrant stock,

maelstrom of the tide of affairs, the commissionnaire is able to note the tendency of the market, the rise or fall, and informs his client that he may reduce or augment his shipments in conformity and thus not drug the market, and that he may not be found short in case of an abnormal demand or exaggerated prices, for the flower market is the most fluctuating of all markets, more speculative than wheat with a commodity as perishable as fish out of water and about as unsaleable once it becomes contaminated.

The commissionnaire is useful in another way—particularly to himself. Among the enormous quantities of flowers which he receives he will often separate rare ones and sell them at appropriately high prices to the chic florists or wealthy amateurs, remitting to his client often enough the current market price for ordinary varieties. This thing is not unknown. The expense of the culture and forwarding of the whole shipment is often covered by the proceeds from the sale of a few choice varieties, "les tres beaux Midis," as the expression goes in the trade. The traffic is a very profitable one when all goes well, but a disastrous one indeed if there is a slump. In consequence the common varieties, the "Midi Ordinaires," bought on the Paris markets are usually to be had for a very low price. It is this product chiefly that is found for sale at the street stalls, and often carnations, narcissi or violets may be bought on the streets of Paris at a lower price than they may be had in the markets of Nice near the home of their birth. The flower arrivals on the Paris markets change greatly as to quantity and quality from day to day, varying from a few thousand baskets to hundreds of thousands at

or association of laborers who unload the wagons, which are afterwards given a ticket of "stationnement," where they may be tranquilly left under cover in a neighboring street, where for ten sous they are as carefully guarded as if they were luxurious limousines in a fire-proof garage. The "fort" who removes the flowers from the carts is responsible for them until the actual opening of the market, and watches them carefully, knowing that, in addition to his regular fee his "pourboire" will be ample



FLOWER MARKETS OF PARIS.

Les Halles Flower Section.



FLOWER MARKETS OF PARIS.

A Street Vendor.

half sheltered in the lee of a canvas-covered stall, sits the flower sales girl, who may be a "jeune fille" of twenty summers or again a grandmotherly old matron of seventy. In summer she effects the shade, but in winter she will sit all day in the pale sunlight, which she calls the "cheminée du roi Rene," with her feet on a chauffrette, a tiny charcoal enclosed brasier, and invite passing customers to buy her flowers. Neither rain, wind nor sun can deter her from devotion to her trade. She is not the best of saleswomen, the Paris flower seller, for she always claims that her blooms are fresher and better than those of her neighbor. This we know is bad business, but it seems to work here, and since when one buys flowers in Paris he, or she, thinks it necessary to "shop" and "bargain" one can't blame the seller for using all her wiles and graces. During the beautiful days of spring the Paris flower markets are at their greatest splendor; there is always an embarrassment of choice of early blooms from every part of France; competition is then the strongest, and if prices are not then at their lowest the stock is at its best. The most violent cold snap does not in the least discourage nor cool the ardor of the Parisian flower seller of the gentler sex. Their nomad-like booths are closed in with thick hangings and a charcoal-burning stove raises the temperature sufficiently that the flowers and plants may not suffer. One could hardly tell from a cursory glance that several of the vendeuses of the Paris flower stalls were wealthy individuals, though their large diamond earrings would suggest that they are not poor; though, on the other hand, that indeed is no indication that they own large properties in the suburbs. One of these women who sits out in the open rain or shine 365 days in the year is said to be worth a million francs—and there may be others.

The most popular flower sellers in Paris are the "marchandes de quatre saisons," as the green vegetable sellers are known. These ambulants either rent or own their little wagons and stalls, and every morning go early to the halles to gather in a cheap stock, often a varied one, a combination perhaps of mimosa, cauliflowers and herrings. These roving flower sellers have for their clientele all those whose occupations and infirmities keep them in the house and thus have not the opportunity of going to market themselves. There are as many as five thousand of these itinerant flower sellers who go from house to house with their carts, many of which are pushed by the women themselves, though as often as not the motive power is furnished by an old man or a boy. Roses not too faded, violets a bit frost-nipped, or hyacinths or narcissi a trifle wilted find buyers at ridiculously low prices through the "Marchandes de Quatre Saisons" and the shawl-clad flower "girl," whereas they might otherwise be an entire loss. In this case, as is obvious, it is not the grower who reaps the benefit.

J.

DETROIT, MICH.—Local florists are opposed to the Oakley bill recently introduced in the state legislature to compel the employment of licensed engineers instead of the firemen and night watchmen now generally employed.

ILLINOIS STATE FLORISTS' ASSOCIATION.

Eighth Annual Convention.

The eighth annual convention of the Illinois State Florists' Association was held in the gold room of the Jefferson hotel, Peoria, March 4-5. More than 100 were present and the meetings were all of great interest. President Chas. Loveridge called the first day's session to order at 3:30 p. m., Tuesday. The address of welcome by Mayor Woodruff was warmly applauded. Vice-President Chas. W. Johnson thanked the mayor on behalf of the association for his hearty welcome. It was voted that President Loveridge's address, which followed, be properly preserved to be referred to during the year. The report of Secretary J. F. Ammann and the minutes were read and adopted as was also the report of Treasurer F. L. Washburn. President Loveridge appointed a committee to audit the secretary's and the treasurer's reports.



Charles Loveridge.

President Illinois State Florists' Association.

Secretary Ammann recommended an appropriate badge or button for life members. Fred Lautenschlager moved that a committee be appointed to investigate designs and costs. President Loveridge appointed a committee of three with power to act. Mr. Ammann's suggestion that members more than two years in arrears with dues be made associate members was referred to the executive committee. Mr. Ammann confidently predicted a life membership of sixty before adjournment. A letter of resignation from Thomas E. Franks, Champaign, was received, Mr. Franks giving as the reason for this action the fact that flowers from the University of Illinois Experiment Station were placed on the market for local sale. After a hot discussion of more than one hour a motion was finally carried asking the advisory board to recommend the placing of surplus flowers on the open market, allowing any and all florists to buy them. The election resulted in the unanimous choice of the following officers, all re-elected:

Charles Loveridge, Peoria, president, Chas. W. Johnson, Morgan Park, vice-president.

J. F. Ammann, Edwardsville, secretary.

F. L. Washburn, Bloomington, treasurer.

President Loveridge's invitation to the entire body to visit his greenhouses was accepted with thanks. The meeting then adjourned. The annual banquet was held in the hotel at 7:30 p. m. A flashlight photograph was taken of the 110 guests. After-dinner speeches were made by Eugene Baldwin, editor the Peoria Star, A. C. Kohlbrand, Chicago, W. H. Gullett, Lincoln, and others. August and Adolph Pehlmann and wives of Chicago arrived during the banquet. The exhibition in the gold room of the hotel was pronounced the finest the association ever held.

Thursday's meeting was called at 11 a. m. The reports by H. B. Dorner, Geo. L. Peltier and Fred W. Muncie on floriculture at the University of Illinois were very interesting. Mr. Dorner's report was read by A. H. Nehrling of Champaign. The auditing committee's report, which showed the association to be in good financial condition, was accepted and filed. W. N. Rudd's paper on landscape gardening was read by C. W. Johnson and accepted with a vote of thanks. A motion was carried instructing the executive committee to ask a joint meeting next year with the Indiana State Florists' Association. H. E. Smith invited the association to meet next year at Danville. His invitation was referred to the executive committee. It was voted to give the flowers on exhibition to local hospitals, newspapers and commercial clubs. A rising vote of thanks was given to the judges and a final resolution adopted thanking the city of Peoria and the trade in general for the great success of the meeting. The meeting adjourned at 1 p. m., after which President Loveridge entertained the guests at his greenhouses, where a luncheon was served.

President Loveridge's Address.

Ladies and gentlemen, and members of the Illinois State Florists' Association: Another year has passed away since our last meeting and eight years since we met in Peoria and organized this association, and while we have not grown in numbers as fast as most of us would like, for I believe every florist in the state of Illinois should be a member of this association, yet we have had the eyes of other states watching us in our progress in experimental lines, as this association was instrumental in establishing the first state experimental station for solving some of the many problems the florists have to contend with; and we have now in the course of construction at Urbana a range of greenhouses for that work that when completed will be second to none in this or any other country, something the florists of Illinois may well be proud of. In regard to the work that is being done there you will hear later from the men that have it in charge, H. B. Dorner, F. W. Muncie and G. L. Peltier, who will report on the differ-



C. W. Johns.

Vice-President Illinois State Florists' Association.

Floricultural Work at Illinois.

STAFF REPORT.

The staff of the Division of Floriculture at the University of Illinois begs to make the following report:

CHANGES IN STAFF.

H. W. Anderson, who was appointed to the position of pathologist in the division on July 1, 1911, resigned in April, 1912, to accept a professorship in botany at Wabash College. On July 1, 1912, George L. Peltier was appointed to the position and now has charge of the pathological work. A detailed report on the work of this section will be given by Mr. Peltier. On the same date Fred W. Muncie was appointed physiological chemist to the division and has active charge of the fertility work. A report on the work of this part of the division will be given by him. The staff of the division now numbers five.

EXPERIMENTAL WORK.

The research work in floriculture has been continued, for the past year, along the lines agreed upon by your advisory board. At a meeting of your board, held at the university last spring, it was decided to continue, for another year, the experiments on commercial fertilizers with roses and carnations and on the stem-rot of carnations. The experiments on the growing of roses with chemical fertilizers and the testing of own-root and grafted stock, are a continuation of the work of the past two years. The results, up to date, bid fair to verify the conclusions of the past year. Without doubt, the results of these experiments will be of great value to all florists growing roses. The experiments on carnations are a continuation of the comparison of commercial and natural manures and on overfeeding with nitrogen, potassium and phosphorous. This work also promises very gratifying results. The results on the experiments on commercial fertilizers with carnations, which were completed last year, are now awaiting the verification of this year's work so that they may be published in full. The first year's work on stem rot was a study of the life history of the fungus that

causes the disease. The work of this year has been a further study of the action of the organism and preliminary experiments on its control.

PROJECTED EXPERIMENTS.

While the work of the coming year has not, as yet, been decided upon by your committee, the following lines will be presented for their approval. It is proposed that the work with roses be continued along the lines of soil fertility, on both own-root and grafted plants. The work on carnations, as planned, contemplates further work on the effects of overfeeding and measures to overcome it, on the study of the limiting element in feeding and on the chemical constituents of the plant and their relation to feeding. The study of stem-rot of carnations is to be continued and methods for its prevention and control will be worked out. An entire house will be devoted to pathological work. It is also proposed to carry on some work with chrysanthemums along the line of feeding to determine the kinds and amounts of fertilizer required and when they



J. F. Ammann.

Secretary Illinois State Florists' Association.

should be applied. A study of the effects of overwatering and overfeeding of various pot plants is also proposed. A study of this kind will assist the florist in diagnosing such cases without difficulty.

ADDITION TO EQUIPMENT.

A number of valuable additions have been made to the equipment for research work. An adding machine, a microtome, a camera and other minor pieces of apparatus do much to facilitate the work of the division. A number of valuable books have also been added.

PUBLICATIONS.

Two circulars have been issued by the division. A 22-page circular on the experiments on carnations and roses and a 16-page circular on the instructional work were printed in time for distribution at the Chicago meeting of the Society of American Florists. Later, copies were mailed to all the addresses of Illinois firms listed in THE AMERICAN FLORIST'S Trade Directory. They were also sent to all

members of the S. A. F. Additional copies will be mailed to all florists who have not received them, if they will mail their requests to the Division of Floriculture, Department of Horticulture, Urbana, Ill. More complete circulars will be issued as soon as this year's work is completed and the results can be compiled and verified.

QUERIES.

Many requests have been received during the year from florists and amateurs concerning plant troubles. These have all been given close attention and the growers have received all the help possible. The results of this work have been very gratifying. The reports show that in many cases the help given has been the cause of the saving of thousands of dollars. It is hoped that more florists will avail themselves of the opportunity and allow your workers at the station to be of service to them. All queries and material sent to the Division of Floriculture will receive prompt attention.

STUDENT REGISTRATION.

Eight students are now registered for the four-year course in floriculture. The completion of the new houses will add greatly to the facilities of the division and make it possible to give the students considerable work along practical lines. In addition to the regular floricultural students, over eighty men and women registered in other departments of the university are registered in courses offered in the division.

BUILDINGS.

As stated in a previous report, the revision of the campus plans, necessitates the removal of the greenhouses to a new location on the east side of the campus. The new houses that were provided for in the appropriations of two years ago are being built upon the new site and are now nearing completion. Plants have already been moved into one of the houses. The plans are to move the old range this coming summer. The new range consists of two houses 35x105 feet and a curvilinear palm house 40x80 feet. These with the addition of another house 35x105 feet, to be built this coming summer and the old houses to be



Frank L. Washburn.

Treasurer Illinois State Florists' Association.

moved cover an area of 27,700 square feet. The new houses are all of iron frame construction. The range as now planned provides for future extensions, if the work demands it. The plat set aside for this purpose makes it possible to increase the glass area to 70,000 square feet. The contract has also been let for a new service building 35x95 feet and two stories high. In this will be located the work rooms, storage rooms, laboratories, class room and offices. The land surrounding the buildings will be devoted to gardens and other ornamental plantings.

H. B. DORNER.

CARNATIONS.

The experimental work during 1912-13 includes a combination of the experiment carried on during the previous year and described in our pamphlet published in July, 1912, in regard to the relative efficiency of commercial fertilizers and natural manures for growing carnations. The data from October 1 to December 17, 1912, bear out the conclusions drawn from the results of last year, that the number and quality of flowers produced by either method is practically the same. From October 1 to December 17 of last year the number and size of flowers produced from 264 plants in each treatment are as follows:

No.		WHITE ENCHANTRESS.		Stem Strength			Av. Av. Length	
		Calyx	OK-Split	1	2	3	Size	of Stem
Plants	Treatment	Total						
264	Manure	1660	1516	44	1221	397	6	2.88
264	Com. Fert.	1602	1557	45	1231	363	8	2.85
								11.06

The results as given for the total number indicate a slight preference for natural manures, while those of last year, October 1 to May 1, giving a total yield with natural manures of 3,400 and with commercial fertilizers of 3,473, indicate a slight preference for the latter treatment, so that the two treatments seem to yield as nearly identical results as could be expected. Similar results were obtained with the variety White Perfection, as will be seen from the following table:

No.		WHITE PERFECTION.		Stem Strength			Av. Av. Length	
		Calyx	OK-Split	1	2	3	Size	of Stem
Plants	Treatment	Total						
264	Manure	1896	1651	245	1702	189	4	2.68
264	Com. Fert.	1612	1528	199	1580	147	0	2.66
								10.61
								10.18

The somewhat larger number produced by the treatment with natural manures will be partly offset by the larger number produced by the second treatment in 1911-12, averaging nearly equal results. It seems well here to repeat the amount of fertilizers used and to describe the method of application. When the soil is put into the benches in the latter part of July, 2 pounds of dried blood, 2 pounds of acid phosphate and 2 pounds of potassium sulphate are mixed with the soil for each 100 square feet of bench space and thoroughly worked in with trowels; and after a thorough watering the soil is allowed to stand over night before setting the plants. At three other times during the year, at about November 1, January 1 and February 15, additional applications of 2 pounds of dried blood worked into the top inch of soil with weeders are made, making a total application per 100 square feet of bench space of eight pounds of dried

blood, 2 pounds of acid phosphate and 2 pounds of potassium sulphate.

The results as given indicate no danger of causing splitting by treatment with commercial fertilizers. In the variety White Enchantress 97.1 per cent of the flowers in each case were those with perfect calyces; in the variety White Perfection 87 per cent of the flowers had perfect calyces when grown with natural manures and 94.7 per cent when grown with commercial fertilizers. We may safely conclude from these data that the use of commercial fertilizers will not lead to an abnormal percentage of splits.

In order to determine the effects of commercial fertilizers upon the strength of stems, flowers were gauged as first, second or third, according to their stem length, first indicating the normal condition and third an excessive weakness. With White Enchantress, treatment with natural manures produced flowers 78 per cent of which were classed as first; with commercial fertilizers 76.8 per cent, while in the variety White Perfection the percentages are 89.7 per cent and 98 per cent respectively. Clearly then, the use of commercial fertilizers will not lead to weakness in stems.

Records were kept in 1909-10 and 1911-12 as well as during the present

Sec. Treatment		WHITE PERFECTION.		Stem Strength			Av. Length	
		Total	Calyx	1	2	3	Size	of Stem
F	Excess Dried Blood	264	OK-Split					
G	Excess acid phosphate	256	237	27	236	27	2	2.65
H	Excess potassium sulphate	238	225	31	227	29	0	2.65
I	Normal	219	223	15	221	17	0	2.64
		Av.	184	35	200	17	3	2.67
								9.88

year to determine whether raising flowers with commercial fertilizers injures their keeping quality. Records were taken upon some hundreds of them, in a room at about 50° F., the

water being changed daily but without clipping the stems. Without the burden of too many figures, the results may be summarized as follows: (1) Excessive feeding tends to diminish the keeping qualities of the flowers. The effect is seen most quickly with an excessive application of dried blood, ammonium sulphate or some other nitrogenous fertilizer. (2) No ill effect follows the use of the amounts of commercial fertilizer as indicated above.

In the experiment outlined above, the plants treated with natural manures were fed during the year with 3 light mulches of sheep manure and in addition with 13 applications of liquid manure, 13.5 gallons being used each time for each 100 square feet of bench space. Thus the total number of fertilizer applications made was 16; on the other hand, after the beginning of the season, only three applications of a fertilizer (dried blood) were made. The latter treatment no doubt would

result in a considerable saving of time and labor.

As favorable as the results indicate commercial fertilizers to be for the production of a satisfactory number of flowers of good quality, too much emphasis cannot be laid upon the care with which they must be used, and the danger of overfeeding in case they are applied in uncertain quantities or too often. The Experiment Station feels that it ought not to recommend the use of these materials unless the grower uses a balance for weighing out the fertilizers according to the amounts indicated above, and unless they are not applied oftener than indicated. The danger from overfeeding is peculiar in that it does not manifest itself immediately in case the excessive applications are made in the fall of the year; and because no warning is given in the color or shape of the foliage in advance of the deterioration of the flowers. These points are well illustrated by the following experiments carried out during the present year. Four sections containing 40 plants each were used for this experiment, the first to receive a weekly application of one pound of dried blood, the second and third to receive one pound of acid phosphate and potassium sulphate respectively; while the fourth received the "normal" treatment as outlined in the previous experiment. No signs of overfeeding were noticeable in any of the sections up until about January 1. The plants looked healthy and the flowers were normal. During that period the production was as follows:

A consideration of these figures as they stand would lead to the conclusion that the weekly application of dried blood was superior to the treatment called normal; for 45 additional flowers, more than one per plant, were produced during this time. Eighty-nine and seven-tenths per cent of these, or 237, had perfect calyces, while under the "normal" treatment only 84 per cent had perfect calyces. The size of flower and length of stem were about the same. Soon after the turn of the year, however, signs of overfeeding became noticeable. The petals became crinkled in appearance, and were easily browned if watered overhead. In a fortnight the flowers in the sections thus heavily fed became affected to such a degree that hardly a salable flower could be found. The first sign was on the petals and when this sign was shown, the flowers were ruined.

The injury, for an application of equal weights of dried blood, acid phosphate and potassium sulphate, was greatest on the plants which received the extra applications of potassium sulphate, and on these sections at present, growth has practically stopped and the flowers are ruined. It is possible that the reason underlying this behavior of the plants is that in the fall of the year the sunlight is the limiting factor of plant growth. Then whatever excess of plant food is applied lies unused by the plant in the

soil. When the days become longer and the sunlight more intense, after the new year, this material is absorbed by the plant with very harmful results. No injury has been noticed as yet upon the plants fed large amounts of acid phosphate, possibly due to the fact that acid phosphate is only half soluble, possibly to the nature of the chemical.

The following table listing the content of various fertilizing materials illustrates the great strength of commercial fertilizers compared even with a powerful natural manure such as sheep manure.

COMPOSITION OF FERTILIZERS IN POUNDS PER TON.

Name	Kind	Nitrogen	Phosphorus	Potassium
Horse Manure	Solid	11.2	.3	1.6
	Liquid	30.4	trace	14.0
Cow Manure	Solid	8.8	1.0	.6
	Liquid	21.0	trace	21.0
Sheep Manure	Solid	14.4	3.6	
	Liquid	26.2	.2	
Dried Blood		280		
Sodium Nitrate		310		
Ammonium Sulphate		400		
Acid Phosphate			125	
Potassium Sulphate				850

From the foregoing experiment and from these data, emphasis once more should be placed upon the necessity of using chemicals accurately weighed and applied not oftener than four times per year, if the weights recommended are used. Experiments have demonstrated that on the soil at Urbana, an application of twice these amounts has not produced harmful results. On another soil, ill effects might have followed such an application, while upon some kinds of soil more might safely be applied. The exact amount for each florist to use is a matter to be settled by careful trial upon a small number of flowers, using the amounts given above as a working basis.

Various remedies have been suggested for relieving the plants injured by an excess of fertilizer, among them, addition of the other elements on the theory that a balanced excessive application is not so harmful as one in which one element is present in excess; also the planting of oats or some other quick-growing crop in the benches to relieve the plants of excess of food. These remedies are being tried at the Experiment Station and a report upon their value can be made after this season. It is to be hoped that by following the above suggestions, the florists will avoid the need of any remedy.

The fertilizer experiments at the University up to the present time have been based on the use of combinations of the three elements—nitrogen, phosphorus and potassium, which are most often lacking in our soils and hence are the most essential elements in plant growth from the standpoint of fertility. It is very desirable that careful experiments be made to determine, first, which is the element that is lacking in the soils and so constitutes the limiting factor to plant growth, and second, what is the specific effect upon size, shape, structure and color of forced plants of each of these constituents. The value of the first point is seen in that from it as a basis, only that element lacking need be applied. With the second fact as a basis, fertilization for a specific purpose may be accomplished by applica-

tion of fertilizer producing this specific effect. A study of the data gathered from the work of the past three years indicates that probably the limiting element of plant growth is nitrogen and that this element chiefly should be considered in any scheme of fertilizing. Whether the other elements added have any definite effect upon the plants cannot be said without further study.

ROSES.

The cultivation of roses with chemical fertilizers has been continued during this year. A visit to our greenhouse will demonstrate that good roses

can be grown by this treatment. An extended study of the data cannot be given in this paper, but the station unhesitatingly recommends the use of 16 pounds of dried blood, four pounds of acid phosphate and four pounds of potassium sulphate as a basis if they are applied as directed in our pamphlet.

In addition to the main work as stated above, tentative experiments are being carried out to determine the effects of overfeeding and overwatering upon the following plants: *Primula* (3 species) *cineraria* (2 species), *schizanthus*, *smilax*, *geranium*, *asparagus* (*plumosus* and *sprengeri*), *begonia* (3 varieties), *cyclamen* and *marguerite*. It is believed that these two factors, in addition to restricted drainage and consequent poor aeration, the natural deterioration of a variety, and possibly soil acidity, are responsible for a great many of the so-called physiological diseases. This step is being taken as the first in our purpose ultimately to solve some of them. The receipt by the station of diseased specimens adds to the material which is being collected for the purpose of understanding them, and whatever experience we have in these matters is gladly put to the service of the public in return.

F. W. MUNCIE.

Landscape Gardening for the Florist.

Paper read by W. N. Rudd at the meeting of the Illinois State Florists' Association.

Many of us fail to realize the possibilities of increasing our business and of making it more profitable, by adding landscape gardening to our regular lines. It seems strange that this is so, because if one stops to think, the customers for our bedding plants and perennials are the very people who need such work, and we shall not have the difficulty met with in taking up most new lines; that is, the getting of new customers and building up an entirely new business. Our customers are ready to hand. Their names are on our books as buyers of plants and all there is to be done is to equip ourselves to supply their wants properly, and to let them know we are so equipped. Of course the downtown

store man in the large cities and the strictly wholesale grocer, will probably not find it advisable to take up this work, but those florists who both grow and retail their product, and who are located in the smaller cities and towns, or in the residence districts, will find much and profitable demand for good service of this kind.

There is a great and growing desire among the middle class of home owners, for better and more beautiful outdoor surroundings. They are being taught by precept and example that the round bed of geraniums or cannas planted in the middle of the lawn is often a very unlovely thing, that it dwarfs the place and gives no lasting satisfaction. They feel that there are better and more artistic ways of decorating their grounds. They are tired of the everlasting sameness of the red patch of S. A. Nutt with a border of Salleroi, which is repeated and repeated on each side of each of our residence streets. If we are to keep these customers and to sell them more, instead of less of our goods, we must arrange to give them something better, something more artistic and more interesting, something which they and their neighbors and the passers by will delight in looking at again and again.

Whoever, nowadays, stops on the street and looks at any of these prim, commonplace flowerbeds we are planting by the thousand every spring? And why should they? Flowering plants need a background of green. This means that they must generally be planted in front of taller growing specimens. Of course we can use the taller perennials at times for this purpose, but why do it when there are a wealth of shrubs at hand which are so much better in every way? Shrubs are never unsightly, even in winter, while many of those with ornamental bark or colored berries are beautiful all the desolate winter days and carry us through to the time of green leaves and flowers again. The shrub puts forth its leaves quickly in the spring and arrives at its full beauty in a few days, while we must wait, often half the summer, for our full growth from the other types of tall growing flowers.

We are now to rule No. 1: Plant shrubs for a background and plant your flowers in front of them. It has been an axiom almost from the first real study which was ever given the subject, which we may state here as rule No. 2: Plant around the boundaries and keep the center of the lawn open. If the lawn is large, a small specimen tree or shrub or two may be planted, but they must be nearer to one side—never in the center. The line where the foundation of the house meets the lawn is ugly. So we get rule No. 3: Plant shrubs around the foundation of the house and especially around the porch, both to conceal the ugly space underneath and also to afford a feeling of protection. Rule No. 4: Frequently conditions in the back yard are unsightly, therefore plant a screen of tall shrubs across from the back of the house to the boundary fence to conceal such things. Of course this screen is to be as far back from the street as possible. Rule No. 5: Do not plant in straight lines. Use shrubs of varying sizes and heights and plant so the line is irregular. Rule

No. 6: Mass your shrubs. That is, do not dot them around, but plant all of one kind together. Rule No. 7: Do not plant clipped formal hedges for our climate. It is very difficult to make them do well here. If after years of work a plant dies out, the whole thing is ruined and they take an immense amount of care to keep them in proper condition. Finally, even when in perfect condition, they are formal and ugly and a good honest wire fence covered with Virginia Creeper and other vines has the advantage from every point of view.

We now have the backbone of our work done and the places for planting flowers will suggest themselves. The big, the showy, and the brilliant colored things, we will get well to the back. The cannas and hollyhocks will make a gorgeous show planted in front of the screen at the rear. The little bays in our undulating border will be just the place for geraniums or other plants in long irregular beds. Clumps of the earlier hardy bulbs, as squills, snowdrops and the like, may be planted under the edges of the over hanging shrubbery, to remain permanently. The smaller and more delicate flowers, which must be seen at close range, will naturally be planted near the front. Sweet scented blossoming plants should be near the windows and the porch. Great care must be taken not to plant discordant or clashing colors together, and a red or brightly colored house requires discrimination in selecting the colors to be planted closely to it.

Time permits here only the crudest and briefest hints, but there are numberless books and magazines dealing with the subject very fully—to be sure there is an immense lot of rubbishy nonsense being published also. Many publishers appear to think that a flashy literary style is all important and real knowledge of the subject an entirely secondary matter. If space available permits, some well grown shrubs, or small trees on the florist's grounds will not only be ornamental, but will make excellent selling samples. Unless conditions are unusual it will probably not be advisable to attempt to propagate or grow on shrub stock, as it can be bought very cheaply as wanted from the nurseries. In conclusion, let me earnestly urge every florist in the class mentioned to look into this matter and try it. I am sure that the profit and the pleasure derived will both be great.

Visitors.

W. W. Adams, Chicago.
J. F. Ammann, Edwardsville.
I. N. Bommettsbach, Decatur.
F. E. Bonham, Macomb.
A. C. Brown, Springfield.
N. O. Caswell, Chicago.
— Coles, Lincoln.
T. A. Culp, Pekin.
— Davis, Lincoln.
A. Dietsch, Chicago.
M. Fink, Chicago.
P. J. Foley, Chicago.
C. Gullett and wife, Lincoln.
E. W. Guy, Belleville.
O. F. Heimbacher, Lincoln.
O. Heintz, Jacksonville.
A. T. Hey, Maywood.
G. W. Jacobs, Canton.
C. W. Johnson, Morgan Park.
Harry Johnson, Bloomington.
W. J. Keimel, Elmhurst.
E. H. Klein, Edwardsville.
A. C. Kohlbrand, Chicago.
E. F. Korowski, Chicago.
Geo. A. Kuhl and wife, Pekin.
Mrs. Laughlin, Decatur.
F. Lautenschlager, Chicago.
E. H. Maine, Richmond, Ind.
A. Miller, Chicago.

F. W. Muncie, Champaign.
A. H. Nehrling, Urbana.
Robert Newcomb, Chicago.
Jas. Norton, Chicago.
P. A. Olson, Joliet.
W. L. Palinsky, Chicago.
G. L. Peltier, Champaign.
A. Peterson, Hoopestown.
I. L. Pillsbury, Galesburg.
F. W. Plummer, Kewanee.
Adolph Poehlmann and wife, Chicago.
August Poehlmann and wife, Chicago.
A. T. Pyfer, Chicago.
Lester Roads, Bloomington.
A. C. Rott, Joliet.
J. S. Salmons, Kokomo, Ind.
N. C. Schanz, Pekin.
John Schrieber, Chicago.
M. Schrieber, Chicago.
H. E. Smith and wife, Danville.
John Steinmetz, Chicago.
R. A. Summeren, La Salle.
G. Swenson, Elmhurst.
Miss Grace Swunders, Springfield.
F. E. Thornton, Streator.
John Vans, Richmond, Ind.
A. L. Vaughan, Chicago.
C. L. Washburn and wife, Chicago.
F. L. Washburn, Bloomington.
Miss Washburn, Bloomington.
Geo. Washburn, Bloomington.
R. S. Woodyard, Chicago.
John Zech, Chicago.
I. E. Young, Jacksonville.

Easter Plants at Philadelphia.

They do things on a large scale in Philadelphia. Plants are grown here for the Easter trade in greater variety and larger quantities than in any other city in the land. The Robert Craig Co., with their 200,000 feet of glass, more than half of which is given over to the forcing of plants for this great spring holiday, never had such an assortment as is offered this season. To begin with, 10,000 lilies, mostly giganteum, fill house after house. All are given plenty of room and are nicely staked and arranged. They present a beautiful sight. The early date appears to have made little difference, as all the stock is almost right as to time. Two large houses of rhododendrons are exceptionally well budded. Thousands of Spirea Gladstone with their flamed spikes of bloom make a great show. It is the largest stock of these plants ever offered here. The greatest feature is the rose. Rambler roses have always been a specialty since their introduction and this season's offerings show greater variety and a more varied selection in shapes and forms of growth than ever before. Pyramids, globes, umbrellas, fans, baskets and other trained forms are seen filled with buds and all so far advanced that there is no doubt as to their readiness without forcing. Tausendschon is grown in quantity as are Dorothy Perkins and Lady Gay. Baby Tausendschon is a novelty, yet seen in a large block. It is an ideal basket-plant. Splendid plants of the old favorite Crimson Rambler are loaded with buds. Hydrangeas, more than seven thousand of them, many of the new French hybrids, splendidly budded plants, fill several houses and make a grand showing. Genistas by the houseful, with their yellow blossoms, add a needed color effect and are a very popular Easter plant. Marguerites, gardenias, lily of the valley, hybrid roses, and azaleas are also features in the blooming stock. Added to which is house after house of all the popular ferns, crotons, dracenas and other decorative plants.

W. K. Harris has his usual fine collection. Azaleas are a leading feature. Splendidly budded plants, especially in the larger sizes in bush and pyramid form, in white, pink and red, fill a number of houses. Rambler roses,

very well flowered, fine showy plants, are seen in quantity. Ganistas, spirea and duetzia, the latter very well done, add to the variety. Metrasiderous are a novelty here, but are very well flowered. Bougainvilleas in large plants are done as well as usual in this, the home of this very decorative plant. The lily is also forced and several houses of well budded plants are seen. Hydrangeas are also a feature. Shamrock in 2½ inch pots fills one large house and part of another—70,000 pots in all, most of which is grown to order for a department store to be given away to the customers on St. Patrick's day.

Godfrey Aschman presents a large assortment of Easter plants, fine Azaleas, lilies, spireas, begonias, cinerarias and bulbous plants in pots and pans. Mr. Aschman grows for the multitude. All his plants are in medium sizes, the kind that sell quickly. Araucarias, rubber plants, kentia palms, Scotti, elegantissima, and other forms of the Boston ferns, help to make up a stock that is sufficient for any flower shop in the country. Packing is an art here, the greatest care being taken to see that plants shall not suffer in transit.

H. I. Faust of Merion offers a splendid stock of lilies. He makes a specialty of this Easter flower and rarely has a failure. The stock this season is very even and is well budded.

J. W. Colflesh's Sons have lilies, daisies, cinerarias, azaleas, and a fine lot of genistas. Everything is neatly arranged and shows good culture.

George Anderson is strong on lilies, but did not try to have his hydrangeas ready for Easter, owing to the early date.

At George Carpenter's are seen very choice lilies and a house of medium hydrangeas.

Jacob Becker offers exceptionally well flowered azaleas and choice Easter lilies.

K.

Connecticut Horticultural Society.

February 14 was "carnation night" on our calendar, and brought out a superb display of blooms. The members' usual exhibition was augmented by fine collections from A. N. Pierson, Inc., of Cromwell; George W. Fraser, assistant horticulturist of Storrs Agricultural College; Scott Brothers, of Elmsford, N. Y.; the Cottage Gardens Company, of Queens, N. Y. The judges were C. H. Sierman and J. Alfred Weber, of Hartford; and George B. Baker, of New Britain. After much deliberation they announced awards as follows: Cottage Gardens Company, for Matchless variety, first class certificate; the Whiting Greenhouses, West Hartford (Carl Peterson, manager), first class certificate; Scott Brothers, for British Triumph, William Eccles and Lady Northcliffe (82, 85 and 79 points, respectively), first class and cultural certificates; A. N. Pierson, Inc., for Benora, etc., first class certificate; Alfred Cebelius, Hartford, certificate of merit; George W. Fraser, for seedlings, certificate of merit; and J. Alfred Weber, for collection of blooming cineraria plants, certificate of merit.

James T. Scott, of Scott Brothers, was present and gave some valuable information regarding the merits and demerits of the leading varieties of

market carnations. He showed what extraordinary changes are taking place in this respect, by the introduction of new kinds and the elimination of old ones. He answered many questions for the benefit of inquirers. Geo. W. Fraser also addressed the society, as did R. T. Beers of Cromwell, representing A. N. Pierson. Many valuable facts were elicited by the impromptu addresses, and by the discussions that ensued from them, chiefly concerning modern commercial carnation culture. The presence of many out-of-town visitors was a pleasant feature of the evening.

President John S. Huss has the sympathy of many friends, both here and abroad, in the recent decease of his venerable mother in Switzerland, who recently passed away in her ninety-third year. Mr. Huss has been the recipient of many letters of condolence. He has had the joy of visiting his mother a number of times in the last few years at his old home in Switzerland.

Our society is temporarily deploring the withholding of the annual state appropriation, through a new and apparently technical interpretation of the statute providing the fund. Several new bills have consequently been presented to the present legislature, to cure the defect in the phraseology of the present statute. We hope for the enactment of the best one of these bills, retroactive in character, and hence covering our share of the state fund for last season.

GEORGE W. SMITH, Sec'y.

Greenhouse Construction and Equipment.

Paper read by Prof. W. J. Wright at the annual convention of the Vegetable Growers' Association of America, Rochester, N. Y., Sept. 4-6.

It has been conceded by everyone who has had any reason to consider it, that the vegetable forcing industry of this country has been going forward by leaps and bounds during the last decade. I doubt, however, if any of us, unless we have had some occasion to consult the figures, actually comprehend the amount of glass used for forcing purposes.

According to data collected at the last census, and which I have permission to present at this meeting, there was in 1909 an area of 114,655,276 square feet covered by glass and used for forcing purposes. Of this amount 105,165,730 square feet was under permanent glass structures classified as greenhouses. (Notice that this is area under glass and not area of glass.) Reduced to acres this means that there is under greenhouses in the United States alone an area equivalent to twenty-four hundred acres. To put it another way: if this vast area was in the form of a house 20 feet wide it would reach a distance of more than 1,000 miles or farther than the air line distance from this city (Rochester, N. Y.) to Jacksonville, Florida. At the time of the preceding census there was an area of approximately 80,000,000 square feet under glass which might have been classified as greenhouses. To continue our illustrations, if this had been in the form of a house 20 feet wide it would have reached a distance of about 750 miles, or a little farther than from Jacksonville to Washington, D. C.

We have, then, in the last decade increased the area under greenhouses by the equivalent of a greenhouse 20 feet wide and extending from Roches-

ter to Washington, D. C. As a matter of fact, the actual amount of greenhouse construction during this time has been much greater, for it is but reasonable to expect that at least 20 per cent of the houses enumerated in 1900 have since been replaced by new ones. If we assume this to be true the amount of greenhouse construction during the last ten years has been equal to 96,000,000 square feet of surface covered, at a cost of probably not less than \$70,000,000. It is apparent, therefore, that the subject of greenhouse construction is worthy of some discussion.

A fair idea of the amount of greenhouse construction in this country during the last decade may be obtained by reference to a table compiled from data furnished by the Bureau of the Census.

TABLE I.
Area under glass in 1909 and 1899 in the United States and 10 principal states

	Total Glass Square feet 1909	Greenhouses Square feet 1909	Total Glass Square feet 1899	Greenhouses Square feet 1899
Total U. S.	114,655,276	105,165,730	96,230,420	80,544,862
Illinois	15,950,853	14,380,927	8,744,020	7,318,744
New York	15,066,587	13,876,857	13,625,440	11,412,862
Pennsylvania	13,846,672	12,887,672	11,819,610	9,893,013
New Jersey	8,840,511	7,984,752	11,190,250	9,356,282
Ohio	7,582,562	7,091,976	7,970,190	6,471,049
Massachusetts	7,382,009	6,817,585	8,710,280	7,290,504
California	5,037,132	4,422,423	1,572,480	1,316,165
Michigan	4,122,099	3,922,772	2,593,230	2,710,232
Missouri	2,812,221	2,545,138	3,126,400	2,616,768
Iowa	2,183,182	1,870,845	1,436,260	1,202,149

It will be observed from a study of this table that the relative rank of the states in amount of glass has changed materially in the past ten years and also that the amount of glass in some states has apparently decreased. It should also be emphasized that these figures are totals used for all purposes and do not represent the amount used for vegetable forcing alone. No attempt was made at the last census to classify glass into that used for vegetable forcing or for other purposes.

In order to discuss this subject from the standpoint of the vegetable grower, I have secured data from 100 or more well-known, practical vegetable growers, both large and small, living in all but two of the states mentioned above. This data covers the important points which I hope to discuss in this paper and it is fair to assume that the average experience of these growers represents conditions applicable to the average vegetable grower.

COST OF CONSTRUCTION.

One of the first questions asked was the cost of range complete, not including the cost of land. The average for houses covering 10,000 square feet or more was a little less than 39 cents for each square foot of ground covered. The average for ranges covering less than 10,000 square feet was 55 cents for each square foot of ground covered.

TYPE OF CONSTRUCTION.

Ninety-two per cent of the growers from whom data was secured preferred even span construction to uneven span construction; seventy per cent preferred home erected houses to contract erected houses on account of less cost; and seventy-six per cent preferred 16x24-in. glass. No data was asked for as to the size of houses, but several stated the size of houses they preferred. The average width appears to be about 36 feet.

KIND OF HEAT.

Eighty-six per cent of those having 20,000 square feet or more under glass

preferred steam heat. The chief reasons stated being "better control," "cheaper maintenance," and "less shade from pipes." Six per cent preferred a combination of hot water and steam, using the steam as a help in extreme weather and for use in soil sterilization. The remaining eight per cent preferred hot water, stating as their reasons "steadier heat," "plants grow better," "pipes do not rust out during the summer as with steam," and "cheaper to operate when but little heat is required."

Of those having less than 20,000 square feet, seventy-four per cent preferred hot water, giving in addition to the reasons named above "less labor to fire, especially at night," and "needs no night fireman." Of those using hot water, twenty-one per cent were using some form of mercury

pressure system or "generator" and fourteen per cent more believed them desirable. The reasons given were "needs less piping" and "circulation better."

COAL.

The average amount of soft coal a season for each 1,000 square feet of area covered (all kinds of heat) was 11.6 tons and the average price was \$2.33 per ton, delivered.

WATER.

Sixty per cent of these growers depended entirely on city water. Thirty per cent depended entirely on their own private system and ten per cent used both city water and private supply. The average cost per 1,000 gallons for city water was 18 cents. The average supply including the cost of equipment, depreciation, and maintenance, was 21 cents. The average cost of equipment for home supply for each 1,000 square feet of area served was \$177.50.

Seventy-eight per cent used an overhead system of watering. Of these, eighty per cent found it an unqualified success and twenty per cent found it necessary to supplement it with hand watering. Only two were using sub-irrigation to any extent, but both preferred it to overhead irrigation during the short, dull days of winter. The average estimate of the maximum amount of water required for 1,000 square feet of surface each day, during May and June was 280 gallons. In other words, in planning for a water system, it is necessary to provide for a supply of 280 gallons of water a day for every 1,000 square feet of area in crops and, because the watering is done during a period of from three to four hours, this water must be supplied within this time, rather than within the twenty-four hours of the day. The average pressure preferred for overhead watering was 47 pounds a square inch.

Having in mind some of the points mentioned above, I will call your attention to a form of semi-iron construction which is light, yet firm, will

stand for twenty years or more, and which can easily be built at home with the assistance of a mechanic and such tools as it will be found necessary to keep about a greenhouse. The material for such a house may be secured of almost any one of the many firms handling greenhouse builders' supplies. This house is 30 feet wide, 6 feet high to the eaves, and 16 feet 5 inches high to the ridge. The foundation is of concrete, 8 inches thick, and extends 2½ feet below the surface, and 2 feet above. The posts and purlins are of wrought pipe and the posts are either imbedded in the concrete or rest on concrete piers and are tied together by split malleable iron castings and pipe cross ties.

There are two methods of bracing, the one requiring two rows of purlin supports on each side and the other but one row on each side. There is but little difference in the cost, but it is often desirable to do away with one row of posts, especially where horse tillage is practiced. The number of purlins depends upon the length and size of the sash bars and the size of glass used. With ordinary size sash bars and 16x24-inch glass, the maximum distance for safety between purlins is 6 feet 9 inches. In this case the sash bars are about 17 feet long and it is therefore necessary to have two purlins. If they were over 21 feet long they would require three purlins. There is also on the right a form of metal eave plate now quite popular and a small glazing sill in place of the heavy glazing sill formerly used.

PITCH OF ROOF.

One of the first questions to decide in planning a greenhouse is the pitch or slope of the roof. On this will depend the lengths of the sash bars and the amount of glass required for a house of given width. In deciding the pitch it must be remembered that a greenhouse roof does more than simply shed rain or snow. It traps the light and heat rays of the sun. When these rays strike the glass at right angles practically none are reflected. When they strike the glass at an angle of 15 degrees about 30 per cent are reflected. In the early winter when the sun is at its lowest, it is at noon in this latitude only about 25 degrees above the horizon. In order that the rays strike the glass at right angles it would be necessary for the pitch of the roof to be as great as 65 degrees, which is impracticable in an even span house. The following table gives approximately the proportion of heat and light rays which are reflected from the roofs of various angles during the winter months.

TABLE II.

Showing per cent of light reflected by roofs of different pitch.

Pitch.	Per cent of rays reflected.
20 degrees.....	16.8
25 degrees.....	11.2
30 degrees.....	8.4
35 degrees.....	5.7
40 degrees.....	3.1
65 degrees.....	Practically none

As a general rule, even span houses are built with a pitch of either 26 degrees, 32 degrees, or 35 degrees. When built with a pitch less than 26 degrees, they are more likely to leak and the snow does not clear well, so that there is danger of their being broken down because of the excessive weight.

When a pitch of more than 35 degrees is desired the roof would be too high to be practical if built even span. This pitch is secured by making the short steep span toward the south and a long sloping span toward the north.

The material at liberal current prices required for a house of this design, 30 feet wide and 90 feet long, without benches, will cost not far from \$1,400. To this must be added the cost of erection, which will vary with the cost and efficiency of labor, but should not exceed \$300 to \$350. This will make the total cost not far from \$1,750, or a little less than 65 cents a square foot of area covered. It can easily be seen why larger houses may be built more cheaply. In the first place, a greater discount may be secured on materials bought in larger quantities. Second, large ranges are often built in the ridge and furrow system, thus saving great expense in walls. Third, large heating plants may be installed much more cheaply in proportion to areas served.

HEATING.

The calculations for greenhouse heating are based on certain simple fundamental facts which may be stated briefly as follows: A square foot of glass will give off, under ordinary greenhouse conditions in winter weather, approximately 1 B. T. U. (British Thermal Unit) of heat for each degree difference in temperature between the temperature of the air inside the greenhouse and that outside. In hot water heating, the heating coils will give off 2 B. T. U.'s a square foot for each degree difference in temperature between that of the coils and that of the surrounding air. Suppose, for example, that a house contains 1,000 square feet of glass and that it is desired to keep it at a temperature of 60 degrees and that the lowest temperature that may be expected is 10 degrees below zero. The number of B. T. U.'s given off by such a house each hour would be 60 degrees—(—10 degrees) x 1 x 1,000, or 70,000 B. T. U.'s. In hot water heating the average temperature of the heating pipes may be assumed to be 160 degrees and if the temperature to be maintained in the house is 60 degrees the difference will be 100 degrees. Since each square foot of pipe will radiate 2 B. T. U.'s each hour for each degree difference in temperature, under these conditions 1 square foot of radiating surface will give off about 200 B. T. U.'s. Dividing the 70,000 B. T. U.'s given off by the glass surface by 200 will give us 350 or the number of square feet of radiation necessary. These principles may be embodied in

the following formula:
$$\frac{(T-t) \times G}{(160-T)2} = R.$$

In this formula R = the number of square feet of radiation, T the temperature to be maintained inside the house, t the lowest outside temperature to be expected, and G the number of square feet of glass and equivalent glass.

Glass will give off about six times as much heat as a good, substantial, well-built wall. To find the amount of heat radiated by any house, therefore, find the number of square feet of exposed glass and add to it 1-6 of the exposed wall surface. In the house I have illustrated in figure 1 the total glass surface amounts to 4,205 square feet and the exposed wall

surface is 480 square feet, which divided by six gives an equivalent of 80 square feet of glass or a total of 4,285 square feet of glass and equivalent glass. If we substitute these values in our formula it becomes as follows:
$$60 - (-10) \times 4285$$

$$= 1450 \text{ square feet.}$$

(160—60)2 which is the number of square feet of radiation necessary to heat this house to 60 degrees when the weather outside is 10 degrees below zero. To find the number of linear feet of pipe necessary to supply this radiation, it is necessary only to find the amount of radiating surface in one linear foot of the size of pipe it is desired to use. For example, one linear foot of 1½-inch pipe furnishes about .5 of a square foot of radiating surface. Dividing 1,450 by .5 gives us 2,900 linear feet of 1½-inch pipes necessary to heat the house, and since the house is 90 feet long, it would be necessary to use 32 lengths of 1½-inch pipe. Since, however, these pipes must be fed by flow pipes which carry the hot water, and since these flow pipes radiate heat, the number of coils may be somewhat reduced. But to allow for a margin of safety it would probably be well to use about thirty 1½-inch hot water heating pipes. Pipes this size are large enough for coils 150 feet or less in length.

TABLE III.

Showing amount of radiating surface in a linear foot of wrought pipe of various sizes.

Size of pipe.	Amount of surface per lineal foot.
1 -inch.....	.344
1¼ -inch.....	.434
1½ -inch.....	.497
2 -inch.....	.621
2½ -inch.....	.752
3 -inch.....	.916
3½ -inch.....	1.044

STEAM.

Steam pipes are hotter than hot water pipes as ordinarily used, and therefore houses heated with steam require less radiating surface than those heated with hot water. Steam is usually carried at about 2 pounds pressure and at that pressure has a temperature of about 218 degrees. In condensing to water this steam gives up its latent heat (approximately 1,000 B. T. U.'s a pound). One square foot of radiating surface will condense a little more than ¼ of a pound of steam each hour, assuming that the conditions are the same as above, namely, that the temperature in the house is to be maintained at 60 degrees with an outside temperature of —10 degrees. In other words, one square foot of steam radiating surface will give off about 260 B. T. U.'s per hour. Placing this in the formula used
$$60 - (-10) \times 4285$$

above we have
$$= 1153$$

260 square feet of steam radiation required, or 2,306 linear feet of 1½-inch pipe, or 25 lengths of 1½-inch pipe extending across the length of the house, which would be equal to about 30 lengths of 1¼-inch pipe, which is the size generally used in steam heating for coils 150 feet or less in length. In practice much less steam radiation is usually provided, with the understanding that a higher pressure and consequently a higher temperature will be maintained in severe weather.

STEAM VERSUS HOT WATER.

While our inquiries showed that eighty-six per cent of the larger growers preferred steam for heating, it is true that many of the more modern large ranges are being equipped with hot water. This is done for the reason that crops are supposed to grow better under hot water than under steam heat. It is probably true that plants do not do as well in the super-heated air near a hot steam pipe as they do near an old-fashioned 3½-inch hot water pipe at 150 degrees. On the other hand, the modern tendency is to place all or part of the pipes overhead and far enough away from the plants so that the heat is evenly distributed. It is also true that in many of these hot water systems which are being installed a "pressure" system is being used which makes possible the raising of the temperature of the water to 240 degrees, which is equal to 10 pounds of steam. This is a higher pressure and consequently a higher temperature than is usually carried by the ordinary steam heating plant. During the spring and fall the hot water has some advantage because it can be kept at a low temperature, while steam must always be at 212 degrees or more.

GENERATOR OR PRESSURE SYSTEM.

The so-called generators or pressure systems depend for their action upon a column of mercury which must be forced up out of the way before the heated water can find its way to the expansion tank. They usually exert about 10 pounds pressure. These generators are automatic in their action and are claimed by the manufacturers to produce a more rapid flow of water in the heating pipes. The same effect may be secured by elevating the expansion tank or by having a closed expansion tank fitted with a safety valve set at a certain pressure. In long houses it is necessary to supplement gravity circulation by pumping. This may be also done under pressure.

WROUGHT OR CAST BOILERS.

The cast iron boiler has a size limit above which it is impracticable to go. Moreover, there is evidence that with its thick water ways it is less economical of fuel than are the thinner shelled wrought iron boilers. On the other hand, cast iron boilers do not rust as badly as wrought iron ones when not in use and have no flues to be burned out by the sulphurous gases and to cause annoyance and expense in replacing. But they do sometimes crack and they have a disgusting way of doing it at the most inopportune moment. When fuel is cheap and abundant, and especially in a small range where the heating system is likely to be neglected during the summer, cast iron boilers usually give the best satisfaction. Where coal is expensive, and especially if it is of good grade and free from sulphur, wrought iron boilers are probably best. No matter what kind of heat or kind of boiler is used, it is always best to use two small boilers, both of which may be connected with the main system, than one large one. One of the small boilers will take care of the house during the spring and fall more economically than a large one and in case one goes wrong during winter weather the other may be "forced" for a few days and save the crop, when if one large boiler

was depended on the crop would be ruined.

HOME OR FACTORY ERECTION.

Greenhouse builders make small profits in erecting commercial houses compared with those made in erecting houses and conservatories for parks, institutions, and private estates. In fact, some firms build commercial houses only to fill in between other jobs. As a usual thing, however, the vegetable grower by using his own help at odd times and with the assistance of a skilled mechanic can easily put up a house from material now to be obtained from dealers in greenhouse supplies at a substantial saving over prices charged by erecting firms. It should be borne in mind, however, that greenhouses cost money and even at the present low price of glass and pipe, which is now advancing, a fully equipped, substantial house of medium size can hardly be built for less than sixty to seventy cents a square foot of surface covered.

European Horticulture.

FROM THE FRENCH AND BELGIAN PRESS.

New Ferns.—The year 1912 has been particularly fruitful in novelties in the fern family, many interesting plants having been shown in England. One of the most remarkable is *Lastrea patens* Mayl, novelty of H. B. May & Son, of Edmonton. Result of a cross between *L. patens* and *L. lepida*, the plant is much more elegant than its parents and exceeds them considerably in size. It received honors at two expositions. *Polypodium Mandaianum*, a large and beautiful fern shown by W. A. Manda, Orange, N. J., belongs to the same section as *P. aureum*, but has large arching, deep green, finely cut fronds. Among other new ferns are: *Polypodium Vidgeni*, of H. B. May & Son; *Pteris Parkeri*, large and beautiful form of *P. cretica*; *Nephrolepis exaltata* Rochfordi, pale green variety of the group with feathery fronds; *N. exaltata* Wilmottae, resembling *N. Marshalli*, but even more finely divided and plume-like; *N. Millsi*, very distinct, much less dense than the others, and with stiffer stems; pinules small, finely dented; *Adiantum cuneatum micropinnulum*, variety with extremely small pinules, of a pretty red color in the young state; *Asplenium divaricatum elegans*, variety with fronds divided mostly in long linear segments; petioles very dark, almost black; *Scolopendrium vulgare crispum nobile*, very beautiful hardy fern; large fronds 24 inches long and 6 inches wide, curled and wavy.—M. Garnier in *Revue Horticole*.

Pruning of Orchard Trees.—All orchard trees need a certain training in their youth to induce regularity of shape. This should be accomplished by removing here and there such of the secondary branches as might too much thicken the head, or cause it to spread too much; also by cutting the ends of the young branches that none may dominate the others. In growing them with low heads, it is better to give the young trees a pyramidal form, much broadened at the base. In pruning neglected older trees, remove first all dead wood, then the small interior branches which are sterile for lack of light and air, then irregular branches; most of all, such limbs as touch each other and cause injury by rubbing and mutilating the bark, especially in apples. All wounds of any size should be covered with a mastic or dissolved tar to prevent decay, after which the tree should be treated with a disinfectant, to destroy fungus and larvae in crevices of the bark. Cultivate around the foot of the

tree, and spread manure in a circle equal to the diameter of the head. This treatment should greatly increase vigor, bearing and quality of fruit.—V. Enfer in *Revue Horticole*.

Gypsophila repens or *Prostata*.—Though this is little known, it should not be forgotten as a most charming little perennial. It is a bushy little plant, growing about 6 inches high; flowers white or pale pink and produced in succession all summer. Two varieties, *G. repens monstrosa*, the largest-flowering sort, pure white, and *G. repens rosea*, pink, are especially desirable. For any sunny border, slope, wall or rockery, all sorts are adapted, and for small bouquets and table decoration the *monstrosa* is highly recommended. It is easily propagated by division in March and April and perfectly hardy.—Jules Rudolph in *Le Jardin*.

New *Gladiolus Gandavensis* "Schwaben."—Originated by — Pfitzer, this new yellow gladiolus surpasses everything yet seen in its color. Its stiff strong stems carry up to 20 flowers, of which six to eight are open at a time. The buds are of a pure canary yellow color, the open flower a light sulphur, the throat deep yellow, with two crimson blotches, which show very little. Strong bulbs carry two to three such stalks, which often branch at the tip, giving a long period of bloom. This variety is exceptional among yellows, in that it is a vigorous grower and slightly throughout the season.

Tricentenary of French Landscape Architect.—The tricentenary of the French landscape architect Le Notre will be celebrated by an exposition at the Bagatelle, in Paris, in May. An interesting exhibition of artistic garden accessories, fountains, vases, seats, well curbs, sun dials, in all sorts of materials, is a feature that will command attention. Imitations will be excluded, and the entire competition under the direction of the society of garden lovers is expected to be a step toward making accessible at moderate prices really artistic garden furnishings.—*Le Jardin*.

Another Yellow Peony, *La Lorraine*.—An entirely double variety has been obtained and is offered for sale this year. It is a hybrid of *P. lutea* and a double *P. montan*; it has strong woody stems, good foliage; flowers large, double, with rounded wavy petals; color light sulphur yellow tinted rosy, becoming lighter as it fades. It is offered by the Lemoines at the price of forty dollars each for strong young pot-grown plants.—*Le Jardin*.

Nicotiana Sanderae Hybrida.—This is so pretty with its abundance of flowers which run the whole gamut from white to deep red. It has the disadvantage of closing in the day time when planted out of doors. Sown in September, however, in frames, and flowered in a temperate house these plants may be enjoyed in winter in all their beauty, and are very decorative.—*Revue de l'Hort. Belge*.

Large-flowering *Nemesias*.—The large-flowering *nemesias* in all their beautiful shades and markings of yellow, brown, red, lilac, rose, and their constantly improved habit and size are prime favorites in England. Cultivated like any annual and watered freely during hot weather, they give a magnificent show and great variety of color.—*Le Jardin*.

HEMET, CALIF.—The Howard Rose Co. has been organized here and incorporated to deal in nursery stock, seeds and flowers. The incorporators and directors are Charles Howard, Earnest Linquist and Gertrude Howard. The capital is \$20,000.

National Gardeners and Florists'

BOWLING TOURNAMENT.

A meeting of the bowling committee of the National Association of Gardeners in charge of the National Gardeners and Florists' Bowling Tournament was held at the Murray Hill Hotel, New York city, Tuesday afternoon, February 25. The following members were present: John Dodds, Wynecote, Pa.; William Robertson, Jenkintown, Pa.; James Stuart, Mamaroneck, N. Y.; John Everett, Glen Cove, N. Y.; A. Bauer, Deal, N. J. President William H. Waite, Yonkers, N. Y., of the National Association of Gardeners and Secretary M. C. Ebel of Madison, N. J., were also present.

All arrangements were completed to hold the bowling tournament at Thumm's bowling alleys, Broadway and Thirty-first street, New York, Wednesday, April 9. One entire floor, consisting of twelve alleys, has been engaged and additional alleys reserved on the next floor if they are required. The entire day will be given over to the tournament. As has already been reported, the bowling will be open to members of the Society of American Florists and members of the National Association of Gardeners. Teams of three men, members of any local florists' or gardeners' society or club, and members either of the N. A. G. or S. A. F. will be eligible in the team tournament. Some of the members of the committee reported that they have had advice from several southern and western cities that local club teams are practicing to enter, and it is the hope of the association that every local society, or club, will be represented by a team.

President Waite, of the N. A. G., offers a piece of silver, valued at \$50, as a sweepstake prize, to be competed for by the three members of the S. A. F. and three members of the N. A. G. making the highest scores of the tournament.

Ex-President Logan offers a silver cup for the greatest number of strikes made in the tournament in three games, the sweepstake contest excluded.

Secretary Ebel offers a silver cup for the highest score made in the tournament, the sweepstake contest excluded.

Treasurer James Stuart offers three prizes of the value of \$30 for the winning team of three men members from a local gardening or florists' club, and members of either the N. A. G. or S. A. F.

A silver cup is offered for the highest number of spares in the tournament in three games, the sweepstake contest excluded.

A long list of prizes is offered for the individual tournament to which the committee expects to add considerable before the event.

Everything indicates that the tournament, which will be held during the week of the International Flower Show in New York, will be an interesting affair. It will probably bring together a greater number of the bowlers among the gardeners and florists than were ever before gathered together in a like contest. Further information, if desired, can be obtained by addressing M. C. Ebel, secretary of the N. A. G., Madison, N. J.

Cleveland.

WEATHER HURTS BUSINESS.

We are having a spell of real winter weather at this writing, after about a week of rain and slush, which had a bad effect on the flower business, funeral work being about the only outlet for cut flowers in any quantity, although style show week used large quantities of southern smilax for decorating the downtown store windows. There is an abundance of cut flowers in all grades, and local wholesale houses are pretty well stocked.

NOTES.

About ninety firemen at greenhouses in and around this city successfully passed the examinations for a license the past two weeks. Many of these who passed the last examinations failed at the previous examination when written answers were demanded. At the last examination everything was oral, both questions and answers. It also proves that when the florists get together and appoint an intelligent committee to work for the interest of all the growers, much can be accomplished, and the next important thing to do would be to get together and devise some means whereby the taxes on greenhouses and growing stock can be reduced, as many of the growers claim the taxes on their greenhouses are outrageously high. It is a sad fact, however, that many who benefit by the acts of these committees, give them no support, either financially or otherwise, but are content to set back, let the other fellow do the work, and spend his money, and then reap the benefits for themselves.

The Ohio Horticultural Society has the premium list for the show to be held in June at Gray's Armory ready for distribution. All florists and growers who are interested may have a copy by writing John A. Body, secretary, 218 City Hall.

Judd H. Tilton died at his home at 2230 East Sixty-eighth street Saturday morning, March 1, at the age of 34 years. He was one of the firm of Tilton & Son, owners of a seed store on Woodland avenue.

A new flower store called the "Rosary" was opened at 8021 Euclid avenue, opposite St. Agnes' Church, on Tuesday, March 4. J. McDonough is manager.

Albert Hart is the proud father of a baby boy which arrived this week. Both mother and baby are getting along nicely. Hearty congratulations.

Carl Gerdman has leased the greenhouses at Berea formerly run by Gus Schneider of Springfield. He intends to grow a miscellaneous stock.

The Cleveland Florists' Exchange handled a full carload of smilax, which was used in the different retail stores at their spring openings.

C. F. B.

Westchester and Fairfield Hort. Society.

The first annual supper of the Westchester and Fairfield Horticultural Society was held in Germania hall, New Rochelle, N. Y., February 18. As was expected keen but friendly rivalry existed among those taking part in the bowling, which took place in the afternoon. Great excitement prevailed in the games, "trade versus private," honors being about even at the finish. Competitive games were also arranged among the members, the championship prize going to E. McKenzie. In the clash that took place for county supremacy Westchester came out on top, the scores being: Westchester, 2,486, Fairfield, 2,347.

About 7:30 p. m. 80 members and invited guests took their seats at the tables in the spacious hall, to partake

of the good things provided. A fine feature of the supper was the very artistic manner in which the table decorations were carried out, finely flowered plants of *Cattleya Trianae* being used extensively, these being kindly lent by the Geo. E. Baldwin Co., orchid growers, Mamaroneck, N. Y. Boutonnieres of lilies of the valley were provided by ex-President J. Stuart, and miniature "Stars and Stripes" were the favors kindly donated by Chas. McTaggart.

Among the invited guests representing the horticultural trade were H. A. Bunyard, W. E. Marshall, Thomas B. Collie, P. Hamilton Goodsell, W. E. Maynard, Andrew Wilson, A. Rickards, Chas. McTaggart, Andrew Kennedy, all of New York; Robert Renison, Louis F. Milliot of Yonkers, N. Y.; Wm. Scott of Elmsford, N. Y.; Edward Neubrand of Tarrytown, N. Y.; M. C. Ebel, Madison, N. J.; Thomas Wade, New Rochelle, N. Y. President Robt. Williamson, after extending a hearty welcome to members and guests, introduced as toastmaster for the evening John M. Brown of Stamford. After a few brief remarks on the great strides made by the society since its inauguration he told of the good work being done towards encouraging a better horticultural spirit, among the public of this section. He was also glad to hear that the society intended to hold its fall show in Stamford, and assured them that the support they would receive, will fully justify the step taken by the society in that direction.

Responding to the request of the toastmaster short addresses were made by the different representatives of the horticultural trade and President M. C. Ebel spoke for the International Flower Show, R. Renison for the Yonkers Horticultural Society, H. A. Bunyard for the National Sweet Pea Society. Speeches were also made of a congratulatory and humorous nature by P. H. Goodsell, F. E. Conine, Chas. McTaggart, W. E. Maynard, Joseph H. Sperry, Edward Neubrand, A. Rickards, W. E. Marshall, Geo. E. Baldwin, Wm. Scott, President Robt. Williamson, ex-President J. Stuart, Secretary J. B. McArdle, which were received with rounds of applause by all present. Proceedings were enlivened considerably during the evening with songs by H. Wild, O. A. Hunwick, J. M. Brown and A. Rickards. Before closing a most successful and pleasant event, cheers were called for for President R. Williamson, ex-President J. Stuart, Secretary J. B. McArdle and the toastmaster, and hands were joined in singing "Auld Lang Syne."

OWEN A. HUNWICK, Sec'y.

San Francisco.

DEMAND STEADY.

Bright favorable weather and the absence of rain have materially assisted in maintaining the even tone of business. The demand is quiet but steady. There is no marked surplus or scarcity, the increasing shipments to the interior having a steadying effect on the local market. Counter sales in the shops are light, but funeral work is plentiful and keeps the florists more or less busy. Fruit blossoms, principally almond, are the main feature at this writing and with a liberal showing of acacia, hyacinth, narcissus and other spring bulbs lend a charming air of spring not indicated by the calendar. That the trade is quick to take up a novelty having merit is shown by the ready sale of a small shipment received of sprays of *Cydonia japonica*. This beautiful shrub has been overlooked in the past and is a

welcome and valuable addition to our early spring blossoms. Prices have declined with a few exceptions during the past week. American Beauty roses are good, a little scarce in the better grades. Liberty, Killarney and Kaiserin roses are the best in their respective colors. There is practically no yellow offered, a few Wards bringing \$4 a hundred, the short stems cutting the price. Cecil Bruner is very scarce. Cattleyas are only fair. Phalaenopsis amabilis is excellent, but P. schilleriana is very poor. Lilies are quoted at only \$2.50.

NOTES.

The California State Floral Society, composed largely of amateur flower cultivators and admirers of flowers and plants, will hold a spring show at the Fairmont hotel sometime in March under the active management of Miss Charlotte A. Williams. An artist in floral arrangement, Miss Williams' experience as a professional decorator and a successful exhibitor at the large shows warrants the show to be a success. The trade should give the affair an active and substantial support.

The downtown stores are displaying in their windows arrangements of azaleas, rhododendrons and cyclamen. The latter are very good, the whites particularly so, many of the plants being up to the exhibition mark. Birch boxes and rustic baskets filled with tulips or hyacinths are much in favor.

Ed. Schwerin of the Visitation Valley Nurseries is going much more into the growing of flowering plants. This season he has devoted much space to the growing of azaleas, genistas and bulbous stock in pots.

Anticipating a good Easter trade, many of the shopkeepers are making the rounds of the plant growers' ranges, selecting and reserving stock in advance.

The MacRorie & McLaren Co. is making a specialty of rhododendrons; one fine lot consists of 1,000 Pink Pearl.

Wichita, Kans.

VALENTINE DAY GOOD.

Not many words are required to record the history of the trade in this vicinity since the middle of January. January business gave a little larger total than the same month for last year with milder weather and a consequently lessened coal bill. McKinley day showed little extra demand. As a special flower day it seems to have run out. The Valentine day trade was considerably better. Violets, sweet peas, American Beauty roses, red roses and carnations cleaned up nicely. There was a good sale of nice blooming plants. Also of made-up plant arrangements in baskets. The experience of this year points to another good flower day if the florists will advertise judiciously and avoid boosting prices. Washington's Birthday gave little extra business, although a few scattering social events took place. Generally speaking the weather has been moderate and has helped the transient sales, although some real winter weather for a few days at a time has accounted for some dull days.

NOTES.

About a foot of snow on unfrozen ground at this date, February 24, is causing the farmers and incidentally the tradespeople, to feel discouraged with crop prospects. Orchardists state that peach prospects are poor, but that other fruits are safe so far, and that only a calamitous spring freeze will spoil things now.

W. H. Culp & Co. are cutting some very fine carnations, also some good violets, both Wales and Herrick, with Herrick in the lead for quality. Ow-

ing to advances in the price of fuel oil the Culp greenhouses have returned to coal for fuel for the rest of the season.

The lettuce growers of this vicinity are complaining of a poor market, and of no market at all part of the time. It is reported that considerable stock was pulled up and dumped to make room for the next planting.

F. Kuechenmeister has been getting a heavy crop of carnations and sweet peas. It is rumored that Mr. Kuechenmeister plans the building of a new range of glass on his suburban property near Urbandale.

Clifford Pruner, representing Poehlmann Bros. Co., Chicago, was a visitor Friday and Saturday. He reports good business in the line of seasonable Easter stock.

The florists are lining up for Easter with prospects of most stock being on time, although giganteum lilies are likely to be rather short of stem.

Chas. P. Mueller is in with a heavy cut of roses which have come in handy for a good run of funeral work the past week.

The Bixby greenhouses do a large business in the line of vegetable plants.

W. H. C.

Minneapolis.

BUSINESS GOOD.

Business during the past week has been good. Funeral work was plentiful. Other than a scarcity of roses the market is normal. Roses are bringing from \$4 to \$12 a dozen; carnations, \$2.50 to \$3.00 a hundred.

CLUB MEETING.

The regular monthly meeting of the Florists' Club was held March 4 at the L. S. Donaldson & Co. greenhouses, President Desmond presiding. Forty members were present. Vice-President Theodore Wirth of the Society of American Florists outlined the work for the coming convention. The dance committee reported that the annual dance had paid for itself and the club's guarantee was returned. Much spirited discussion was engendered about cooperative newspaper advertising for Mother's day. This matter was left in the hands of the publicity committee.

NOTES.

Morrell & Nichols, landscape architects of Minneapolis, have submitted tentative plans for a beautification scheme to the city of Edmonton. It is for 50 years ahead and will mean the ultimate expenditure of \$20,000,000. The plan, which has been copyrighted by the municipality, covers the proposed extension of the city into the rural districts, and the addition of a large residential district.

John Monson, proprietor of the Minneapolis Floral Co., is serving for three weeks on the jury in the district court. Service of this sort during cold weather and just before Easter is far from agreeable to any grower.

L. F. Nordine, representing the Andrews Heating Co., is making an extended trip through Chicago territory studying greenhouse heating problems.

Mrs. R. Will, the venerable mother of Will Bros., is reported to be seriously ill at her home in this city.

R. A. Latham is enjoying a week's vacation in the country. S. A. J.

Libertyville, Ill.

A visit to the establishment of the Meredith Flower & Vegetable Co. will readily illustrate the advantage of business methods in conjunction with a practical knowledge of the growing end of the business. Only two years ago this company was incorporated and capitalized for \$35,000 and under the able management of President J. E. Meredith and Secretary C. W. Stout the business has grown to such proportions

that papers are now being filed to increase the amount of incorporation to \$100,000, and owing to the growing demand it has been necessary to enlarge the glass area from 82,000 feet to 100,000 feet. The present houses are under the direct management of R. K. Schultz, formerly of Bassett & Washburn's, Hinsdale. Mr. Schultz has a good crop of the leading commercial carnations, the pink and white Enchantress being especially fine. Here also we found a high grade of roses, including Richmond, Killarney and White Killarney. Sweet peas are well grown in the leading shades, the flowers having long stiff stems. The greenhouses adjoin the Chicago, Milwaukee & St. Paul tracks, where transportation facilities are excellent. Although this is known as a firm of vegetable growers, the work thus far has been confined to decorative plant stock and cut flowers but the growing of vegetables under glass will be taken up as soon as the conditions warrant this course.

Shuman & Kohout, who make a specialty of growing roses, are showing very good American Beauty, Killarney, Richmond, White Killarney and My Maryland. They are making preparations to build two greenhouses to adjoin their present plant.

Philadelphia Notes

A wedding of general interest took place on Washington's birthday when Miss Malyon Faulkner was married to Robert Q. Shoch. Miss Faulkner is a sister of George Faulkner and Mrs. H. H. Battles. "Bobbie" Shoch, as he is familiarly known in the trade, has been in the business from his youth up. He has been grower, salesman, spent several years in a commission house, and is now one of the valued workers of the M. Rice Co. The happy couple have the best wishes of the trade for a long and happy life together.

Paul Berkowitz says that artificial flowers such as crepe roses and chrysanthemums can be and are being used by many retail florists to good advantage and with much profit. These and the dried maidenhair fern in connection with them are used to embellish magnolia wreaths which are largely used for grave decoration. They are also indispensable in large decorations, as at a distance they cannot be distinguished from the real flowers they represent.

Freeport, Ill.

John Bauscher celebrated the fiftieth anniversary of his birth March 1. Some idea of Mr. Bauscher's popularity may be had from the numerous and beautiful tokens of esteem he received, included in which were over 300 congratulatory letters, telegrams and postcards. Aside from his prominence in the flower business, Mr. Bauscher enjoys the distinction of being a county supervisor, a member of nearly fifty clubs, associations, fraternal orders, etc., including the Anchor Club, of which he is the founder.

The Late Thomas Gilmore.

Thomas Gilmore, who for the past 25 years has been head gardener on the estate of August Belmont, the well-known banker and capitalist, at Hempstead, Long Island, N. Y., died there on February 21, aged 76 years. He was highly esteemed by Mr. Belmont, who being at Cape Cod, Mass., immediately wired to Hempstead, on learning of Mr. Gilmore's death, to postpone funeral arrangements until his return. Mr. Gilmore was a Scotchman, a tall, gray-bearded and striking figure of military carriage and appearance. He was highly esteemed by all who knew him. A. F. F.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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Ohio Agricultural Society

We are in receipt of the premium list for the summer show of the Ohio Horticultural Society, to be held at Grays Armory, Cleveland, June 12-14. The classes include roses, peonies, herbaceous perennials and flowering and decorative plants. Copies of the premium list may be had on application to John N. Stockwell, secretary, 218 City Hall, Cleveland.

Society of American Florists.

MEETING OF OFFICERS.

The officers and board of directors of the Society of American Florists met in executive session at the Radisson hotel, Minneapolis, Minn., February 25-26. The meeting was called to order by President Farquhar promptly at 10 a. m. the first day, and by adhering strictly and faithfully to its work the board was able to complete its duty by the evening of the second day. All members of the board were present, with the exception of Secretary John Young, who was detained in New York through illness, Geo. Asmus of Chicago acting as secretary pro tem. Every member seemed to be well pleased with the facilities offered in the convention hall, the grounds, hotel accommodations and other local conditions and advantages.

At 7 p. m. of the second day the Twin City florists tendered their welcome visitors a banquet at the Radisson hotel, which was a very enjoyable affair. Short talks full of useful suggestions, fine humor and good fellowship kept all together until nearly midnight, when it became necessary for members of the board to leave to make midnight train connections for the East. All participants felt sure of a successful convention, and everybody is going to work to bring that result about.

The following were present at the banquet: Officers of the S. A. F.—President John K. M. L. Farquhar, Vice-President Theodore Wirth, Treasurer William Kasting. Also Geo. Asmus, acting for Secretary John Young. Directors—E. Allan Pierce, Harry A. Bunyard, C. H. Totty, John A. Evans, August Poehlmann, Thomas Roland, Richard Vincent, Jr. Twin City florists—Wm. N. Steel, H. Nicholson, C. H. Ruedlinger, C. A. Bossen, Louis Boeglin, S. D. Dysinger, O. J. Olson, E. F. Holm, L. L. May, Hugh Will, A. S. Rice, Henry Will, O. C. Swanson, G. A. Will, C. F. Rice, Fred Busch, A. Blinkenberry, J. A. Ridgway, T. Commandros, Louis Danck, L. C. Boughner, L. F. Nordsen, Mack Martin, John Revik, Thomas Hall, Walter Pier, Hans Rosacker, S. A. Jamieson, O. H. Carlson, W. D. Desmond, R. A. Latham, J. C. Taylor, A. Lauritsen, C. E. Schaffer, Max Kaiser, LeRoy Cady, A. F. Longren, Wm. H. Bofferding.

Third International Flower Show.

GRAND CENTRAL PALACE, NEW YORK.

With the opening of the International Flower show only one month away, the management and the various committees are, naturally, most active in their work of preparation for the big event. Wm. Duckham, Madison, N. J., has been appointed manager of the competitive section of the show, and his appointment meets with the hearty approval of the trade. He is a man of wide acquaintance in all branches of the florist industry, as well as in private estate circles, and as manager of this most important section of the exhibition he is very acceptable to both commercial and private interests. He has had considerable experience in staging exhibits, his work in this direction during the past fifteen years at the shows of the Morris Co. (N. J.) Gardeners and Florists' Society being particularly commendable.

Some changes have been made in the dates of staging exhibits in certain sections of the show. Exhibits in Division E, which covers retail florists' rose displays, will be staged on Saturday, April 5, instead of Monday, April 7. Division G, covering collections of roses and open to private gardeners and amateurs only, will also be staged on April 5, instead of April 7. Division B, covering cut roses, will be staged on April 7, instead of April 5. These divisions form part of the section allotted to the American Rose Society. A supplementary schedule has been published and sent out, in which these changes are noted, as well as many new prize offers.

The judging of all the exhibits staged on the opening day will be completed prior to the formal opening of the show. Seventy judges will pass on the exhibits during the afternoon, the judging to commence promptly at 3 o'clock, and by 6 o'clock, when the doors open, cards will be found on all the exhibits. The corps of judges will include representative men from all sections of this country, and twelve or more from England and Holland.

An enormous attendance is expected on the opening night, and it can be relied upon that the exhibition will be entirely in order and in readiness for the public. Those in the trade who intend making exhibits in the trade exhibition, a feature of the show, should lose no time in arranging for space. Secretary John Young can still provide some excellent locations and will be pleased to furnish any information regarding accommodation on application to him at 54 West Twenty-eighth street, New York.

J. H. PEPPER,
Chairman Publicity Committee.

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements should be carefully preserved as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue, as otherwise they may miss some of this high-grade work.

Chicago Spring Show

Preparations for the annual spring show of the Horticultural Society of Chicago, to be held at the Art Institute April 1-5, are nearly completed with every indication that this will be one of the most attractive spring displays ever made in this country. The plans include many novel features, one being a piscatorial exhibit of considerable magnitude and rare interest to lovers of aquaria plants, etc. The final premium list has been mailed to prospective exhibitors, but additional copies may be had on application to Secretary R. J. Haight, Monon building, Chicago.

Important to Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

Meetings Next Week.

Baltimore, Md., March 10, 8 p. m.—Gardeners and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Chicago, March 12.—Gardeners and Florists' Union No. 10615, 230 North Clark street.

Cincinnati, O., March 10, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., March 10, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Hartford, Conn., March 14, 8 p. m.—Connecticut Horticultural Society, County building.

Lake Geneva, Wis., March 15, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, Horticultural hall.

Moline, Ill., March 13.—Tri-City Florists' Club, home of Wm. Kneess.

New Orleans, La., March 10, 2 p. m.—Gardeners' Mutual Protective Association, 114 Exchange alley.

New York, March 10, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

New York, March 12, 4:30 p. m.—Horticultural Society of New York, American Museum of Natural History.

Norwich, Conn., March 10.—New London County Horticultural Society, Buckingham Memorial.

Omaha, Neb., March 13, 8 p. m.—Omaha Florists' Club, City hall.

Rochester, N. Y., March 10, 8 p. m.—Rochester Florists' Association, 97 Main street east.

Seranton, Pa., March 14, 7:30 p. m.—Seranton Florists' Club.

Springfield, O., March 10.—Springfield Florists' Club.

St. Louis, Mo., March 13, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.

Toledo, O., March 11.—Toledo Florists' Club.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By experienced Seedsman. Good counter man. For further particulars, address Key 791, care American Florist Co.

Situation Wanted—Position as traveling salesman for seeds, bulbs, plants or florists' supplies. Address Key 789, care American Florist.

Situation Wanted—As orchid grower or gardener—private preferred—by Englishman, age 29, married, 15 years good practical experience in the work of all departments of all places. Excellent references. Address Key 795, care American Florist.

Situation Wanted—Position by energetic young man in a private establishment; 25 years old. Life experience in private and commercial establishments growing roses, carnations, mums' pot plants and vegetables. Best of references. Address Key 787, care American Florist.

Situation Wanted—As Foreman: can take full charge, 14 years practical experience in growing roses, carnations, mums, and general stock for retail trade. Can furnish the best of references. Southern States preferred. Married, age 31. State wages. Address Key 793, care American Florist.

Situation Wanted—As Head Gardener and Florist in private place; English, 35 years old, married, one child, boy of 7. At present engaged, but desire a change. Life experience in all branches including store plants, grapes, peaches, melons, strawberries under glass, etc., vegetables, training fruit trees and general routine of a well-kept garden. 5 years in this country. Best references. Address Key 794, care American Florist.

Situation Wanted—As head gardener or superintendent. Good grower of cut flowers, potted plants, indoors and out doors; vegetables and fruits. Good experience in lawn and park work; understand management of private place park, cemetery, or institution. Am 30 years of age, married, no children. Have been in the gardening and florist business for 15 years. Can furnish best references to party requiring such a man. Address Key 799, care American Florist.

Help Wanted—Boys from 16 to 20 years as apprentices in greenhouse. POEHLMANN BROS. CO., Morton Grove, Ill.

Help Wanted—A bookkeeper who has had experience in bookkeeping in a florist's store. Address A. F. F., care American Florist, 124 East 24th Street, New York.

Help Wanted—Florist and gardener, competent to take charge of greenhouse, garden and grounds at State Institution. Address SUPERINTENDENT, State Public School, Owatonna, Minn.

Help Wanted—Single man, who understands poultry and stock. Must be willing worker and neat. No man with bad habits wanted.

Apply to N. W. HARRIS-ESTATE, Lake Geneva, Wis.

For Sale—New Greenhouse with 11 acres of land located in a rich farming country and in county seat. Inquire of FRANK A. WERBACH, Cambridge, Ill.

For Sale—Half interest in a good paying Florist business, must be sold by March 10. Other business cause of selling. Write immediately for particulars. Address Key 765, care American Florist.

For Sale—Retail florist store at 4229 Broadway, New York; good business attached; improving location; reason for selling eminently satisfactory; terms quite reasonable. Address LE MOULT, 202 Bowery, New York.

For Rent or Sale Greenhouses, 28,000 feet of glass, hot water and steam heat; also 3 acres of land and barn if desired. Ten minutes walk from R. R. station and street car. 14 minutes north of Chicago on C. & N. W. Address JOHN FELKE, SR., 716 Ridge Ave., Wilmette, Ill.

For Sale—Two acres with 25,000 square feet of glass; up-to-date improvements, cement benches; fine dwelling house and barn; nice orchard. Everything in first-class condition. 10 minutes from R. R. and C. L. BEN VOLLMAN, 430 Ridge Ave., Wilmette, Ill.

For Sale—A good paying Florist Business in a Michigan city of 14,000 will be sold now or June 15th at a bargain; small house and store connected to 4,000 feet of glass right in business center of city. Will stand closest investigation. Come and investigate. First-class trade. Owner will retire. Established 25 years and in good repair. Address JACOB SCHNEIDER, Florist, Manistee, Mich.

For Sale—At a sacrifice, for cash; about 2000 feet of glass, stocked with carnations, chrysanthemums, bedding stock and small flowers. A fine proposition to one that thoroughly understands the business. Large retail trade and all the whole-sale you can handle. Four acres of land; on car line on the main street of city of 20,000. For particulars address R. S. ELWOOD, Receiver, Albuquerque, N. M.

Want a Change?—Over 8000 feet of glass; devoted to lettuce, together with 120 acres of land in hay and market garden. Near a Colorado town of 12,000 population. The only one in the business; established trade of over 30 years. \$6000 takes this; part cash, terms. Address Key 789, care American Florist.

STORE MANAGER WANTED, by April 1.

A competent, reliable and energetic man with pleasing address, who thoroughly understands the retail business. Must be a good maker up and decorator. Married man preferred. Only a man whose experience has been gained in up to date stores will be eligible. A first-class permanent position with opportunities for advancement for the right man. Applicant will state age, extent of experience, where employed in the past, present position and wages expected. B. F. BARR., Keystone Nurseries, Lancaster, Pa.

Assistant Gardener Wanted

for public institution. Young single man as 2nd assistant gardener. Must be sober, honest and industrious; at least 2 years experience necessary; general greenhouse work; \$30 per month with board and room. 30 days' leave of absence with pay during year. Hours, 7 a. m. to 4:30 p. m.; duty every other Sunday. No firing, repairing, etc.

Address Key 797, care American Florist.

Florists Wanted: The South Park Commissioners

of Chicago will hold examination for Florist March 10th, 1913. Applications must be filed in advance, and blanks will be mailed upon request. Florists will be paid \$70 per month to start, and will be required to care for plants, shrubs, etc., either in greenhouse or outside.

Situation Wanted

Good Carnation Grower capable of taking charge. For further particulars,

Address, Key 796, care American Florist.

PLANT GROWER WANTED

Advertiser wants competent grower of general line of pot plant stock for store trade. This place is located in the south and good wages will be paid to the right man. State age and experience.

Address, Key 798, care American Florist.

WANTED

Good all-round greenhouse man, middle-aged and married preferred; must be sober and reliable; 4500 feet of glass; grow carnations, roses, bulb stock, bedding plants, etc.; good wages and permanent position; town of 2000, with all advantages of city at lower living cost. Address

Key 785, care American Florist.

WANTED

A gardener—married and with a small family. Place near Chicago. No grass to cut or roadways to care for. Small greenhouse, vegetable garden and flower beds. House hot water heated, fuel and electric lighted furnished free. Answer, stating age and nationality and wages expected.

Address, Key 792, care American Florist.

Send Catalogues of flowering Plants, Palms, etc., to:

ALBERT HAISCH,
Memphis, - Tennessee

IF your Easter Stock is right, advertise it now. There is much inquiry as to who can fill the orders this early season and the early advertisement gets there.

Welch Bros. Co., Leading Wholesale Florists

Everything in the Line of Cut Flowers in their Season

OUR SPECIALTY:—American Beauty, Killarney, Richmond, Maryland and all the Superior Roses; Lily of the Valley, Carnations, Orchids. Best Produced.

CUT FLOWER BOXES

In Lots of 500
Printed Free

Per 100
18x5x3 \$1.45
21x8x5 1.65
21x5x3 1.75
24x5x3 1.95
28x5x3 2.75
30x5x3 2.65
24x8x5 2.85
28x8x5 3.20
30x8x5 4.06
36x8x5 4.95
30x12x6 5.70
36x14x6 7.10

DOUBLE VIOLET BOXES

Per 100
8x5x4 \$1.56
9x6x5 1.95
10x7x6 2.39
12x6x7 2.75

Ruscus — Purple Green, Red, White, 50 cts. Per Pound.

Tinted Colors, 75c Per Pound

Immortelles

Bronze
Green and Purple
Magnolia Leaves
\$1.50 per box of 1000

OUR METALLIC and WAX DESIGNS are of the best quality.

AMERICAN OAK SPRAYS.

Italian Beach Cape Flowers
and a complete line of Artificial Flowers in our Supply Dept.

Boxwood

18c per pound, \$7.50 per case.

Ferns

New Crop. Daggers and Fancy.
Best Quality, \$1.50 per 1000.

Bronze Galax

Green Galax

\$7.50 Per Case of 10,000

Leucothoe Sprays and Ivy Leaves

We are the Largest Shippers of

Cut Flowers

in New England.

We handle the very best of goods.

Green and Violet Tin Foil

Best Quality 20c per lb
Plain Tinfoil 9c per lb
Wax and Tissue Paper
For all lines of Florist use.

We Carry a full Line of Ribbons and Chiffons. Plain Chiffon, 4 in. 3 1/2 per yd. 6 in. 4c per yd. Silk Slips 4 in. 5c per yd. 6 in. 6 1/2 c per yd.

Block and Script Letters

Gold and Purple
Stick Letters For the Use on Ribbons

IMPORTED CYCAS LEAVES

Best Quality

Our Leaves Are of the Best Imported Quality.

Prepared by the Best Manufacturers of Europe.

We Have the Lowest Prices.

Per 100
8x12 \$2.00
13x16 3.00
16x20 3.50
21x24 4.00
24x28 5.00
28x32 6.00
32x36 7.00
36x40 8.00

We make our Wire Designs in our Store and can fill all orders at once.

We carry a complete line of Corrugated Boxes. Write for our price list on the same.

Welch Bros. Co., Wholesale Commission Florists

Manufacturers and Importers of Florist Supplies

Hardy Cut Evergreens

226 Devonshire Street, BOSTON, MASS.

TELEPHONES:
Main 6267-6268 and 5419

The Genuine CREGO Aster

DIRECT FROM THE ORIGINATOR

With its enormous blossoms, long stems and vigorous, healthy plants, this Aster is becoming more valuable to the florist from year to year, and its remarkable success is due to the fact that it has had the benefit of fourteen years of the most rigid and painstaking selection, every effort having been directed toward developing its commercial qualities—toward making it a money-maker for every florist who handles it. **Growing no other seed of any kind, I am able to give this the closest possible attention.**

One of the largest growers at Irondequoit, the great Aster center of New York state, says: "Our best Crego blooms usually sell at about \$1.00 a dozen, retail, about twice as much as can be got here for any other variety." Both wholesale and retail, when properly handled, the Crego Aster has always maintained its position at the top of the market.

BUY YOUR SEED DIRECT FROM THE ORIGINATOR.

I am offering the Crego Aster in four colors: white, shell pink, rose pink and violet, all fully up to Crego grade, with immense fluffy blooms 4 to 6 inches in diameter and of splendid color.

NOTE THE PRICES:—1-ounce.....50c; 1/4-ounce.....\$1.00; ounce.....\$2.00. Send cash with your order.

G. S. CREGO.

1036 Vancouver Avenue, PORTLAND, ORE.

Boston.

MARKET STILL POOR.

There is no improvement in the market here. Bulbous stock is being hit hard. If the grower gets the price of the bulbs in many cases he is lucky. His other expenses are lost. Sweet peas, like the cannon at the Charge of the Light Brigade, are everywhere, and of good, bad and indifferent quality. Asparagus sprengeri and plumosus are scarce and are about the only bright spots on the horizon at present. From the aristocratic orchid to the plebeian violet, there is abundance. All are looking forward to Easter, to give a clearance to the accumulation, and an incentive to spring business.

NOTES.

We noticed some particularly fine

cattleyas at Welch Bros. In quantity and quality they exceeded anything we have seen for some time. P. Welch has been confined to his home with the grippe for the past two weeks.

March came in like the proverbial lamb, with rain, mist and quietness, and the lion will probably have his innings before the month is out.

Visitor: P. Fotheringham, representing F. R. Pierson Co., Tarrytown, N. Y.

M.A.C.

Morris County Gardeners and Florists.

The annual carnation night of the Morris County Gardeners and Florists' Society will be held in the meeting room, Madison, N. J., on the evening of March 12. This night has

been a fixed feature of our society for the past 10 years and we will have it better than ever this year. Our members are going to put up the standard varieties and we are appealing to the introducers to send in the candidates of 1913. They are a grand lot all through and it would seem a shame if we could not see them, flower and stem, set upon our tables. The public will be admitted. A good show will arouse much interest. Everybody loves a carnation and a good variety costs no more to grow than a poor one, so let us see them. Please let all consignments come in care of C. H. Totty, Madison, N. J., and a dozen of us will see that they get all the care and proper staging that we can give them.

EDWARD REGAN, Sec'y.

PERCY JONES

H. VAN GELDER, Pres.

L. M. JONES, Secy.



ESTABLISHED 1903.

SHOWING SECTION OF CUT FLOWER DEPARTMENT

INCORPORATED 1911

**Importers and
Jobbers of
Florists' Supplies.**

**Ribbons and
Chiffons
Our Specialty.**

56 E. Randolph St.,

OUR CUSTOMERS:—

We thank you for the appreciation you have shown of our efforts to take care of your orders in the right way. You have given to us the most up-to-date establishment of its kind in Chicago. To you we owe our success and it will be our greatest pleasure to show our gratitude by serving you even more conscientiously in the future, if that is possible, than we have in the past.

Yours for still greater profits.

H. VAN GELDER.

**Wholesalers of
Cut Flowers
and Greens.**

**We Sell
Everything Used
by Florists.**

CHICAGO, ILL.

H. VAN GELDER, Pres.

L. M. JONES, Secy.

PERCY JONES
INC.

WHOLESALE COMMISSION FLORISTS

Importers and Jobbers of
Florist Supplies

56 East Randolph Street
CHICAGO

Ribbons and Chiffons
Our Specialty

SUPPLIES

Order what you want from us. If any item is not entirely to your satisfaction we will be glad to have you return same when you receive it and we will pay express charges and ask no questions. Merely say you cannot use it.

RIBBON
(10 Yard Bolts, Any Color.)

		No. 333	No. 666	"Van Brand"
		Plain	Satin	Our Best
		Taffeta	Taffeta	Taffeta
No. 5.....	\$0.25		\$0.30	\$0.40
No. 7.....	.35		.40	.50
No. 9.....	.40		.45	.65
No. 12.....	.45		.55	.80
No. 16.....	.50		.60	.90
No. 22.....	.60		.75	1.05
No. 40.....	.75		.85	1.25
No. 60.....	.85		.95	1.40
No. 80.....	.95		1.10	1.60
No. 100.....	1.05		1.20	1.80
No. 120.....	1.15		1.30	1.95
No. 150.....	1.35		1.45	2.10
No. 120—American Beauty Ribbon, Best Quality, 10-Yard Bolt, \$1.60.				

Basket Ribbon—Chiffon Crepon Sprinkleproof—
No. 8, per 10 yard bolt.....\$.85
Silk Taffeta Yellow Ribbon—
No. 80, 10 yard bolt.....\$.65

CYCAS LEAVES

	Per Doz.	Per 100
12 to 14 inch.....	\$0.35	\$2.25
14 to 16 inch.....	.40	3.25
16 to 20 inch.....	.50	3.75
20 to 24 inch.....	.60	4.50
24 to 28 inch.....	.70	5.50
28 to 32 inch.....	.80	6.00
32 to 36 inch.....	.90	7.00
36 to 40 inch.....	1.00	7.25
40 to 44 inch.....	1.10	8.00
44 to 48 inch.....	1.20	8.75

Assortment of 100 Leaves, 10 each, for \$6.00.

We sell everything used by Florists and Guarantee everything we sell to give satisfaction.

CHIFFON

4 inch plain edge.....	2c	a yard
6 inch plain edge.....	3c	a yard
10 inch 3 striped edge.....	5c	a yard
4 inch white striped Sprinkleproof.....	2½c	a yard
6 inch white striped Sprinkleproof.....	3½c	a yard
6 inch 3 striped edge white Sprinkleproof.....	3½c	a yard
4 inch dotted (Pink and White).....	3½c	a yard
6 inch dotted (Pink and White).....	4½c	a yard
6 inch Valley (Pink and White).....	5c	a yard
10 inch Valley (Pink and White).....	7c	a yard
6 inch White Spirit Netting.....	4c	a yard
6 inch Colored Spirit Netting.....	3½c	a yard
12 inch Spirit Netting, best quality, any color.....	7½c	a yard
6 inch five striped edge Sprinkleproof (eleven colors) very best quality.....	6c	a yard

Card Cords, all colors, per gross.....	\$1.00
Corsage Cords (all colors), write for sample—	
Per dozen	.25
Per gross	2.25
No. 5 Corsage Ribbon (any color), per 10 yd. bolt.....	.35
Fancy Corsage Pins, oval shape heads, 4½ in. (any color), per gross	.95
Best Corsage Shields (any color, regular price \$2.50 per dozen)	1.90
Plain White Cards, per 1,000.....	.65
Best Hardwood Toothpicks (100 boxes to case) per case	2.25
Clock faces, 4 inch, 25c each; per dozen.....	2.50
Clock faces, 7 inch, 35c each; per dozen.....	3.00
Air plants (best on market), per 100.....	7.00
Air plants, other grade, per 100.....	5.00
Plain Tin Foil, per lb.....	.09
Colored Tin Foil, per lb.....	.20
American Beauty Tissue (10 reams to bundle), per bundle.	4.75
Silkalene (8 spools to lb.), per lb.....	.80
Magnolia Leaves (all colors, none better), per carton..	1.35
Prepared Oak Sprays (all colors), per lb.....	.40

Not the Oldest, Nor the Largest, Just the Best.

This is Only Page 2, See Page 3.

H. VAN Gelder, Pres.

L. M. Jones, Secy

PERCY JONES

INC.

WHOLESALE COMMISSION FLORISTS

Importers and Jobbers of
Florist Supplies

56 East Randolph Street
CHICAGO

Ribbons and Chiffons
Our Specialty

SUPPLIES

DOVES—

First grade\$ 9.00 per doz.
Very best grade 11.00 per doz.

SILVERED RUSCUS—

All shades\$.60 per lb.
All shades 5.50 per 10 lbs.

IMMORTELLIES—

All colors\$.35 per bunch.
All colors 3.75 per doz.

CAPE FLOWERS—

White\$.75 per lb.
Colored 1.25 per lb.
Waterproof Crepe Paper.....\$ 2.00 per doz.
Waterproof Crepe Paper..... 14.00 per 100

MATTES.

Porto Rican Matts\$ 1.50 per doz.
Porto Rican Matts 12.00 per 100
Fibre Silk Stripping, all colors—
1 inch width, 50 yards spool.....\$.90
Bon Ton Fibre Ribbon—
250 yards spool.....\$.90
500 yards spool..... 1.25
Baby Ribbon—
All Shades, 50 yard spool.....\$ 3.00 per doz. spools
Fine White Wax Paper—
480 Sheets to ream.....\$ 1.40
Green Dye for St. Patrick's Day.
Florists' Wire, cut and in stones.
Let us quote you.

CUT FLOWERS

Easter Price List:

Cut Easter Lilies.....\$ 1.50 to \$ 2.00 per doz.
Cut Easter Lilies..... 12.00 to 15.00 per 100
Cut Easter Lilies..... 100.00 per 1000

American Beauties

Specials\$6.00 per doz.
36 inch 5.00 per doz.
30 inch 4.00 per doz.
24 inch 3.00 per doz.
20 inch 2.00 per doz.
15 inch 1.50 per doz.
Short Stem 1.00 per doz.

Richmond, White and Pink Killarney, My Maryland

Select\$12.00 to \$15.00 per 100
Fancy 10.00 per 100
Medium 8.00 per 100
Good Short 4.00 to 6.00 per 100
Carnations, fancy \$ 5.00 per 100
Carnations, firsts 4.00 per 100
Carnations, common 3.00 per 100
Orchids, Cattleyas\$ 4.00 to 6.00 per doz.

Callas, per doz., \$2..... 12.00 to 15.00 per 100
Jonquils 3.00 per 100
Daffodils 3.00 per 100
Tulips 3.00 to 4.00 per 100
Spanish Iris 6.00 to 8.00 per 100
Valley 3.00 to 4.00 per 100
Violets, double 75 per 100
Violets, single 75 to 1.00 per 100
Sweet Peas 75 per 100
Sweet Peas, Fancy 1.00 per 100
Adiantum 75 per 100
Smilax\$1.50 to \$2.00 per doz.
Sprengeri, Plumosus Sprays 2.00 to 4.00 per 100
Plumosus Strings..... .60 each
Ferns 2.00 per 1000
Galax 1.00 per 1000
Boxwood, per bunch 25c; per case of 50 lbs.... 7.50
Extra long Green & Bronze Leucothoe..... .60 per 100
Extra long Green & Bronze Leucothoe..... 4.50 per 1000
Short Green Leucothoe..... .40 per 100
Short Green Leucothoe..... 2.50 per 1000

We are the largest wholesalers of Bulb Stock in the West

Not the Oldest, Nor the Largest, Just the Best.

This is Only Page 3, See Page 4.

H. VAN GELDER, Pres.

L. M. JONES, Secy.

PERCY JONES

INC.

WHOLESALE COMMISSION FLORISTS**56 East Randolph Street
CHICAGO****Importers and Jobbers of
Florist Supplies****Ribbons and Chiffons
Our Specialty**

To all in the trade who are
interested in greater profits:

Why not let us put your name on our
mailing list? It will save you money.

All supplies sold with the understanding if
any item is not entirely satisfactory you may
return same and we will be glad to pay ex-
press charges.

Buy from a Mail-Order House and save
traveling men's expenses.

If you are in business for PROFITS, send
your orders to us, the fastest growing House
in Chicago. We need your business to keep
growing.

**You cannot hire any help, or get a part-
ner whom you can depend upon more, or
who will work as hard for you, as**

PERCY JONES.

We sell everything used by Florists.

 This is only Page 4, Write for More]Pages.

A Large Supply of EASTER LILIES

— ALSO A —
BIG CROP OF ROSES **NOW -ON-**

Our New Carnation Range Is Now in Full Crop with a Big Cut of Fancy Carnations

Remember, we will also have a tremendous supply of **Fancy Tulips**, **Jonquils**, and **Dutch Hyacinths**. You should place your order here.

Buy Direct of the Grower

EASTER PRICE LIST:

American Beauties

	Per doz.
Extra long	\$5 00
36-inch	4 00
20 to 24-inch.....	3 00
15-inch	2 00
8 to 10 inch	1 00

Rhea Reid and Wards

	Per 100
Extra long select	\$15 00
Good length.....	\$10 00 to 12 00
Medium length.....	8 00
Short	5 00 to 6 00

Fancy Bulb Stock

	Per 100
Dutch Hyacinths	\$5 00 to \$6 00
Lily of the Valley	3 00 to 4 00
Fancy Double Tulips.....	3 00 to 4 00
Fancy Single Tulips	2 00 to 3 00
Jonquils (Golden Spur)	2 00 to 3 00

White and Pink Killarney and Richmond

	Per 100
Extra long select	\$10 00 to \$12 00
Good length	8 00
Medium length.....	6 00
Short	4 00 to 5 00

Carnations

	Per 100
Extra long fancy O. P. Bassett	\$4 00 to \$5 00
Fancy white and pink	4 00
Medium white and pink	3 00
Weak and splits.....	2 00

Extra Fine Easter Lilies

Extra long, per doz.....	\$1 50 to \$2 00
Extra long, per 100.....	12 00 to 15 00
Short lilies, per 100.....	10 00

Miscellaneous

Asparagus Sprays, per 100.....	\$3 00 to \$4 00
Smilax Strings, per doz.....	2 50
Adiantum, per 100.....	1 00
Galax, Green and Bronze, per 1000.....	1 00
Ferns, per 1000.....	2 50

BASSETT & WASHBURN

Store and Office: 131 N. Wabash Ave.

CHICAGO

Greenhouses: HINSDALE, ILL.

— EASTER PLANTS —

An exceptionally fine line and the biggest supply we have ever had to offer.
The big day is drawing near, so get busy and send in your orders now.

EASTER LILIES

Of these we have a very large lot. We expect to get from 10,000 to 12,000 plants for Easter. Price \$15.00 per 100 buds and blooms.



Baby Ramblers—Orleans, Jessie, Our lot, 9000, is in splendid condition and the values this year will be better than ever. Price, 40c, 50c, and 75c each.

Dorothy Perkins, Tausendschoen—fine large plants, \$1.00, \$1.50 and \$2.00 each.

Spirea—This has always been a specialty with us. **Gladstone,** 40c and 50c each. **Pink Varieties—**50c and 75c each.

Azaleas—all colors. Very fine stock, \$1.00, \$1.25 and \$1.50 each.

Kalmias—A very pretty plant. Try a few for an assortment, \$1.00 and \$1.25 each.

Primula Obconica—25c each.

Genistas—A very showy plant. Stock in fine condition. 25c, 50c, 75c, \$1.00, \$1.50, \$2.00 and \$3.00.

Lily of the Valley in pots 50c, 75c and \$1.00 each.

Cyclamen—35c, 50c, 75c and \$1.00 ea.

Rhododendrons—Splendid assortment of color, \$1.00, \$1.25, \$1.50 and \$2.00 each.

Funkia Variegated—Showy variegated foliage. It sells well. 50c and 75c each.

Kentia Belmoreana—35c, 50c, 75c, \$1.00, \$1.50, \$2.00, \$2.50, \$3.00 and \$4.00 each. Specimen made-up plants, \$7.50 and \$10.00 each.

Phoenix Roeblenii—\$2.00 each.

Phoenix Canariensis—\$2.00, \$3.00 and \$4.00 each.

Rubbers—50c and \$1.25 each.

Araucaria—60c and \$1.00 each.

Boxwood—Bushy plants, 60c and 75c each. Also a large lot of pyramids, globes, etc., \$4.00, \$6.00, \$8.00 and \$10.00 per pair.

Aspidistras—\$1.25 and \$1.50 each.

Pandanus Veitchii—\$1.00 each.

Crotons—25c, 35c and 50c each.

Large Supply of Cut Flowers, Roses, Carnations, Lilies, Violets, Valley and All Other Seasonable Stock.

HOLTON & HUNKEL COMPANY

462 Milwaukee Street

MILWAUKEE, WIS.

Everything in Supplies

ALL THE BEST ARTICLES AT RIGHT PRICES. SATISFACTION GUARANTEED

Wire Designs

We make everything imaginable and would be pleased to mail you free our handsome catalog, showing our complete line. Long years of experience have given us an idea of what the everyday florist needs and this is all fully explained in our new catalog. Write for it today.



Ruscus, Magnolia Leaves, Doves,

Corrugated Shipping Boxes, Cut Flower Folding Boxes, Ribbons, Chiffons, and everything else in supplies. Write for Prices.

Joseph Ziska

151-153 N. Wabash Ave.

CHICAGO

1904

1913

A.L. VAUGHAN & CO.

(NOT INC.)

Wholesale Commission Florists

161 N. Wabash Ave., CHICAGO, ILL.

A CANVASS of conditions with our Growers show an unusually large supply of exceptionally choice stock, which will be at its best for the Easter trade, but owing to the unprecedented earliness of the date on which Easter will fall, we ask our customers to give us their orders for LILIES at as early a date as possible, so that we can make proper reservations for them. Give us your orders NOW, and relieve yourself of further responsibility.

Special Price on Fancy Ferns

From Now on Until March 22nd.

\$1.50 per 1000. They are the Best.



Get Our Quotations on Lilies and Other Stock in 1000 Lots



Easter Price List

Subject to change without notice.

ROSES.

Beauties—	Per doz.
Long stems	\$6.00
30 to 36-inch stems.....	5.00
20 to 24-inch stems.....	\$3.00 to 4.00
15 to 18-inch stems.....	2.00 to 2.50
12-inch stems.....	1.50
Per 100	
Killarney, special	\$12.00
“ fancy	\$8.00 to 10.00
“ good	5.00 to 6.00
White Killarney, special.....	12.00
“ “ fancy	8.00 to 10.00
“ “ good	5.00 to 6.00
Richmond, special	12.00
“ fancy	8.00 to 10.00
“ good	5.00 to 6.00
Ward, special	12.00
“ fancy	8.00 to 10.00
“ good	5.00 to 6.00
Sunburst, special	12.00
“ fancy	8.00 to 10.00
“ good	5.00 to 6.00
Maryland	\$5.00 to \$12.00
Roses, our selection.....	4.00

ORCHIDS.

Cattleyas per doz., \$4.00 to \$6.00

GREENS.

Asp. Plumosus.....per string,	\$0.50
Asp. Plumosus Sprays.....bunch,	\$0.35 to .50
Sprengeri per bunch,	.35 to .50
Adiantum per 100,	1.00
Smilax, choice.....per doz.,	1.50 to 2.00
Fancy Ferns per 1,000,	1.50
Galax Leaves per 1,000,	1.00
Boxwood 50-lb. case,	7.50

CARNATIONS.

Carnations	Per 100
“ special fancy.....	\$3.00 to \$4.00
“ splits	5.00
“	2.00

EASTER LILIES.

Select	Per 100
Shorter	\$12.50 to \$15.00
.....	10.00

MISCELLANEOUS.

Callas	Per 100
Valley	\$12.00 to \$15.00
Sweet Peas	3.00 to 4.00
Tulips	.75 to 1.50
Daffodils	3.00 to 4.00
Jonquils	3.00 to 4.00
Violets	.50 to 1.00

H. Bayersdorfer & Co.

The Florists' Supply House of America

EASTER NOVELTIES

Two-Tone London Baskets, the best Easter Novelty. The two-tone effects improve the appearance of plants and cut flowers wonderfully. Let us send you a sample lot.

Our Selection: **Porto Rican Mats**—all flower colors. **Fancy Crepe Paper**—two shades in Each roll. **Purple and Pink Ruscus.** **Special Crepe Paper**—pot covers to fit, 4 to 6 inch pots, \$1.00 per hundred.

High Hats and Pipes for your Shamrocks on St. Patrick's Day
Green Dye for Carnations

H. Bayersdorfer & Co.

1129 Arch Street, PHILADELPHIA

WILD SMILAX

In Quantity, **\$4²⁵** Per Case

Mexican Ivy

60c. per 100

Magnolia Leaves

\$1.20 per Hamper

Also MAGNOLIA SPRAYS, PINE BOUGHS, Other DECORATIVE MATERIALS and GENERAL SUPPLIES

Henry Wittbold

56 E. Randolph St. - - Chicago, Ill.

H. E. FROMENT

Wholesale Florist

57 West 28th St., NEW YORK

All The Choicest CUT FLOWERS For

Easter and Spring 1913

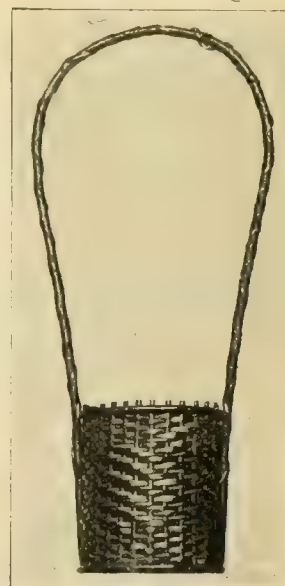
Headquarters for Finest Stock in Roses.

RAEDLEIN'S BASKETS

← ARE BEST →

Our Easter supply of cut flower and plant baskets contains all the desired styles in all the desired shades and is the finest line that has ever been offered to the American trade. You cannot afford to give your order to anyone else because our goods are the best obtainable and our prices are right. We are manufacturers and sell at factory prices only.

Send for \$5.00, \$10.00, \$15.00,
\$20.00 or \$25.00 assortment
to-day and **SAVE MONEY ON**
YOUR EASTER ORDER.



Raedlein Basket Co.

713-717 Milwaukee Avenue, CHICAGO, ILL.



This Entire Plant

(The Largest Range of Glass in America)

Will Be In Full Crop For Easter

We filled all Xmas orders in full and will do the same at Easter, but it is advisable to place your order early. However, we want it distinctly understood that all late orders will also be taken care of.

Big Supply of Richmond

Killarney, White Killarney, American Beauty, My Maryland, Melody, Ward and Sunrise Roses. All the Leading Carnations.

Easter Price List

AMERICAN BEAUTIES—		Per doz.	
Extra long stems.....		\$6.00	
48-inch stems.....		5.00	
36-inch stems.....		4.00	
30-inch stems.....		3.00	
24-inch stems.....		2.50	
20-inch stems.....		2.00	
18-inch stems.....		1.50	
12-inch stems.....		1.00	
Short.....		.75	
Richmond.....			
Killarney.....	Extra select.....	\$12.00	
White Killarney.....	Select.....	\$8.00 to 10.00	
My Maryland.....	Medium.....	5.00 to 6.00	
Wards.....			
Sunrise.....		\$6.00 to \$10.00	
Roses, our selection.....		4.00	
Carnations.....		3.00 to 4.00	
" Fancy.....		5.00	
Harrisii.....		12.50 to 15.00	
Valley.....		3.00 to 4.00	
Violets.....		.75 to 1.00	
Sweet peas.....		.75 to 1.50	
Tulips.....		3.00 to 4.00	
Jonquils.....		3.00 to 4.00	
Adiantum.....		1.00	
Asparagus, per bunch.....		.50 to .75	
Ferns, per 1,000.....		2.50	

2,000,000 Feet of Modern Glass

PETER REINBERG

30 E. Randolph St.,

L. D. PHONE
CENTRAL 2846

Chicago

EASTER LILIES

Enormous Supply of Cut Blooms of the finest quality at \$10, \$12.50 and \$15 per 100. Also a big supply of Beauties, Roses, Carnations, Gardenias, Violets, Sweet Peas, Tulips, Jonquils, Lily of the Valley, Daffodils, and Greens of all kinds

EASTER PRICE LIST

American Beauties		Per doz.	Roses		Per 100			Per 100
Extra long stems.....		\$6.00	Richmond.....			Violets, single or double	75c to	1.00
36-inch stems.....		5.00	Killarney.....			Sweet Peas.....	75c to	\$1.50
30-inch stems.....	\$3.00 to	4.00	White Killarney	Extra Select..	\$10.00	Tulips.....	3.00 to	4.00
24-inch stems.....		2.50	My Maryland.....	Select..	\$6.00 to 8.00	Jonquils.....		3.00
20-inch stems.....		2.00	Hilda.....	Medium	\$4.00 to 5.00	Daffodils.....		3.00
15-inch stems.....		1.50	Bride.....	Short.....	3.00	Adiantum.....		1.00
12-inch stems..		1.00	Bridesmaid.....			Asparagus, bunch,	50c.	
Lilies		Per 100	Sunburst.....	Select.....	12.00	" Sprengeri, bunch,	25c to 50c.	
Extra special stock..		\$15.00	Mrs. Aaron Ward	Medium.....	8.00	Bronze Galax, \$1.00	per 1000.	
Fancy.....		12.50		Short.....	5.00	Ferns, \$2.00 per 1000.		
Good.....		10.00	Carnations		Per 100	Boxwood, per bunch,	25c.	
Gardenias, per doz., \$3.00			Fancy.....		\$4.00	Pussy Willows, per bunch,	50c.	
to \$5.00			Good.....		3.00	Stocks, per bunch,	50c to 75c.	
			Common.....		2.00			
			Valley.....		\$3.00 to 4.00			

JOHN KRUCHTEN

162 N. Wabash Ave.,

Phone Central 6269

CHICAGO

TIME SAVING OFFER

Special "FERN" Sale. This sale is being run to show all that we have both quality and quantity

To save time in Easter week, we want all the Florists' to lay in their Easter Fern supply on **March 11, 12, 13 or 14.**

During these four days we will fill all Fern orders our selected

A No. 1 Stock at \$1.50 per 1000

Don't forget to lay in your Easter supply.

We want to prove that Our Ferns are the best in the world.

KENNICOTT BROS. CO.

EVERYTHING IN CUT FLOWERS AND GREENS

163 North Wabash Avenue,

CHICAGO, ILLINOIS

Poehlmann Bros. Company,

72-74 E. Randolph St.,

CHICAGO, ILL.

SUPPLY DEPARTMENT

FOR PROMPT DELIVERY

TRY US.



Easter Plant Baskets, from 50c to \$1.25 each in brown, green, also **Natural Willow**.

Porto Rican Mats, all colors, lowest prices.

1-inch **Fibre Ribbon**, special price, 50-yard bolts, \$1.00 each.

Waterproof Crepe Paper, full length Rolls, \$1.75 per dozen.

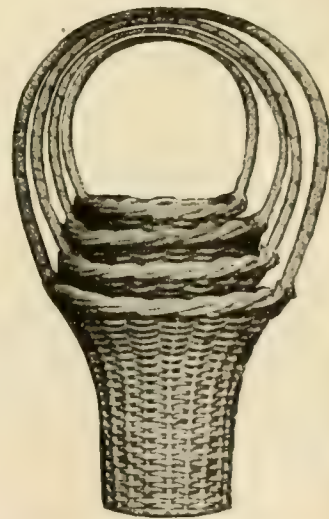
Special Sale of Plain **Chiffon**, this week, best quality, 4-inch, 12 pieces, 2c per yard. 6-inch, 3c per yard, 12 piece lots, assorted colors.

Sprinkleproof Chiffon, 4-inch, 3½c;

6-inch, 4½c; 10-inch, 7½c per yd.

8-inch **Fancy Chiffon**, the best pattern, 11c per yard, all colors.

Green and yellow **Carnation Fluid**, per quart \$1.00, the kind that is sure to give satisfaction.



Florist Knives, best German steel, bone handles, steel bound.

Try one \$1.00 each; regular \$1.25 knife.

Poehlmann's Improved Sprinkler, by parcel post, \$1.00.

Mention the American Florist when writing

MR. FLORIST:

your investment, as my line of these goods is exceptionally low-priced, quality and durability considered.

How about **Natural Prepared Palms, Sagos, Arecas**, etc., for decorative purposes at weddings, church affairs, balls, receptions, entertainments? You can get good returns on your investment, as my line of these goods is exceptionally low-priced, quality and durability considered. You save yourself the trouble connected with the handling and maintaining of the natural ones and can give more time to your general business. Have you ever tried the sale of **Funeral Designs** composed of waxed paper flowers and leaves, which are so low-priced as to insure a handsome profit in handling them; or the **Metal Wreaths and Designs**, which are more in demand than ever before with the country trade? They are absolutely true to nature in makeup and absolutely durable.

I have just completed my special General Catalogue, devoted exclusively to this line, and will be pleased to send you copy. Ask for No. C.A.

23 South
Wabash Ave.

Carl Netschert

CHICAGO

After May 1, 1913—12 to 22 No. Michigan Avenue 4th floor

Mention the American Florist when writing



A CHANCE FOR YOU

TO MAKE MONEY

YES, there will be, if you give us your Easter order, because the high quality stock that we are offering at the prices quoted below will allow you to dispose of your goods with a fair margin of profit at very reasonable prices. We take the utmost care in filling all shipping orders and personally see to it that all flowers are packed carefully, so that they will reach their destination in good condition. We are strong on everything in cut flowers and green goods, and would like to have your Easter order now.

Easter Price List

American Beauties		Per doz.	Roses		Per 100			Per 100
Extra long stems ..		\$6.00	Richmond			Sweet Peas		75c to \$1.50
36-inch stems		5.00	Killarney			Tulips		3.00 to 4.00
30-inch stems		\$3.00 to 4.00	White Killarney..	Special	\$12.00	Jonquils		3.00
24-inch stems		2.50	My Maryland	Ex. Select...	\$10.00	Daffodils		3.00
20-inch stems		2.00	Hilda	Select	\$6.00 to 8.00	Adiantum		75c to 1.00
15-inch stems		1.50	Bride	Med.	5.00	Asparagus, bunch, 25c to 50c.		
12-inch stems		1.00	Bridesmaid	Short	4.00	" Sprengerl, bunch, 25c to 50c		
Lilies		Per 100	Carnations		Per 100	Bronze Galax, \$1.00 per 1,000.		
Extra special stock.		\$15.00	Fancy		\$4.00 to \$5.00	Ferns, \$2.50 per 1,000.		
Fancy		12.50	Good		3.00	Boxwood, per bunch, 25c.		
Good		10.00	Common		2.00	Pussy Willows, per bunch, 50c.		
Gardenias		Per doz.	Valley		\$3.00 to 4.00	Stocks, per bunch, 50c to 75c.		
		3.00 to 5.00	Violets, single or double		75c to 1.00			

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street L. D. Phone, Randolph 6578 CHICAGO, ILL.

EASTER GREETINGS

FOR

FROM

H. J. Ing

WINNETKA ILL. FLORIST

FLORIST'S TAGS

FOR EVERY DAY IN THE YEAR

EXCLUSIVE DESIGNS FOR FLORISTS.

An artistic tag attached to your packages will attract favorable attention to your business.

AMERICAN TAG COMPANY'S TAGS are universally recognized as unsurpassed in standard of excellence.

FOR ANYTHING IN THE TAG LINE WRITE-DEPT. 39

AMERICAN TAG COMPANY

6133 State Street; CHICAGO, ILL.

ROSES

EXTRA FANCY KILLARNEY, WHITE KILLARNEY RICHMOND, BRIDE, MARYLAND AND MRS. ARON WARDS.

— ALSO —

Carnations of Quality.

A Large Supply for Easter in All the Leading Varieties,
Especially Exceptionally Fine Red, White and Pink.

HOERBER BROS.

Wholesale Growers of Cut Flowers

162 N. Wabash Ave.,

Long Distance Phones:
Randolph 2768.
Automatic 41770.

Chicago.

Large
Supply



Fancy
Stock

Easter Lilies

Large quantities of flowers of exceptionally fine quality, and at prices that are right.
Plenty of Lilies and all other Seasonable Stock; so let your orders come.

Roses

All the Leading Varieties
with American Beauty, Killarney and White
Killarney showing up exceptionally well.

Those Milwaukee

Carnations

Extra Fancy Blooms
of the finest grade, with excellent keeping
qualities, just right for shipping orders.

A Trial Order Will Convince You. Let Us Have It Now.

GUST. RUSCH & CO.

448 Milwaukee St.,

MILWAUKEE, WIS.

HEAVY SUPPLY FOR EASTER

Anything and Everything in Seasonable Cut Flowers

Beauties, Roses, Carnations, Easter Lilies, Violets, Sweet Peas, Tulips, Jonquils, Daffodils, Mignonette and other High Grade Quality Stock.

Also a large supply of our famous **Blue Ribbon Valley**, which is recognized by city buyers to be the **best Valley** on the Chicago market **Order some and be convinced.**

OUR MOTTO

HONEST DEALINGS

GOOD VALUES

We aim to **please** in every respect and out-of-town customers will be **benefited** by sending us their orders; by so doing you will find we can **save you money.**

We **grow our own stock**, thereby assuring you of getting **absolutely fresh stock**, besides **saving you the commission man's profit.**

Quality
Speaks
Louder
than
Prices.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

Easter
Orders
Now
Being
Booked.

Chicago

TRADE BETTER.

Trade has improved considerably within the past week and it is the general opinion of nearly all the wholesalers that business was better on March 1 than it has been on any other day since the first of the year. Both the local and shipping trade were good and it was a pleasure to note that all the good stock on that day was fairly well cleaned up before the stores closed at night. Long stemmed American Beauty roses are and have been scarce for some time and even the better grades of medium and short are none too plentiful. To give the reader a little idea of how scarce good American Beauties really are it might not do any harm to mention that a florist from out-of-town endeavored to purchase 2,500 on February 27 but only succeeded in obtaining about one-fourth of that amount after a thorough canvass of the entire local market. Many dealers have been unable to fill all their regular orders in full and those few who have been fortunate in having any kind of a crop easily got from \$5.00 to \$6.00 per dozen for the extra fancy flowers. Roses in general, especially Killarney and White Killarney, are more plentiful and it is very noticeable that the short stemmed flowers are not as scarce as they have been. Mrs. Aaron Ward, Melody and Sunburst are more plentiful and clean up well, but Richmond are still somewhat scarce. Carnations continue to arrive in large shipments, and although there are large quantities sold, yet it is difficult at times to dispose of the stock as fast as it comes in, and some very low quotations on large lots are reported. The best stock easily brings \$2.00 and \$3.00 per 100 but the large supply of splits of course materially

keeps the prices down. An advance in price on white carnations may be expected at any time, for St. Patrick's day is drawing near and there is usually a good demand for this flower on that day. Lilies and callas are more plentiful but the supply will not be as large for Easter as it was last year when these flowers were very plentiful. Lily of the valley is more plentiful than it has been and the quality is also much better. Bulbous stock is very plentiful yet, although the supply has shortened considerably during the past week. Violets are not moving very fast and can still be had in large lots at bargain prices. Sweet peas are in good supply and have advanced a little in price, but some of the stock is of such high quality that it is cheap at the prices obtained. Greens of all kinds are plentiful and some dealers are offering ferns at greatly reduced prices now. The plantmen are sending in some very fine specimens, the retailers having beautiful azaleas, primulas and bulbous stock. The supply houses are very busy with orders for Easter, which are reported very large. Judging from the many inquiries that are being received for stock and the large amount of business that is being done in the supply line, the Easter trade ought to be very good this year.

NOTES.

Poehlmann Bros. Co. is cutting a fine grade of stock of all kinds, with roses the principal offering. This firm will have a large supply of lilies for their Easter trade, both cut blooms and plants, and is already booking orders for them. The supply department is busy, and is prepared for the Easter business with a full line of goods.

Zech & Mann are strong on bulbous stock with lilies the principal offering. Mr. Zech called on his growers

this week and while he will have a good supply of lilies for his trade he does not look for any surplus at Easter in this line.

Kennicott Bros. Co. will have a special sale on ferns for four days next week and the proprietors expect to move a large quantity during that time. Bulbous stock of all kinds is now seen in large supply at this store.

Hoerber Bros. are in heavier crop with roses and will strike Easter right again this year. Killarney and White Killarney especially are in large supply and a few Mrs. Aaron Wards are included in the shipments.

J. F. Kidwell, of the Chicago Flower Growers' Association, says that the Wellworth Farm Greenhouses will grow roses exclusively next year, including American Beauties, which is a new venture for this firm.

At John Kruchten's store a fancy grade of lily of the valley and carnations are now the leaders. Gardenias, this firm's specialty, are always disposed of quickly at good prices.

Erne & Klinckel have a fine line of all seasonable stock, principally roses and carnations. Bulbous stock is having a good call here, especially tulips and daffodils.

The A. L. Randall Co. is rapidly getting things in shape at its store and everything will soon be in tiptop condition to handle the large Easter trade.

The next regular meeting of the Florists' Club will be held at the Union Restaurant, West Randolph street, on Thursday, March 6.

Paul M. Palez, with Vestal's, Little Rock, Ark., was here for a few days this week. The alderman is feeling fine and certainly looks the part.

Chas. W. McKellar says Cattleya Schroderae is arriving now and is having a good sale.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

EASTER LILY PLANTS EASTER

We ship them successfully to all parts of the country. In Earthen or Paper Pots, as wanted. Unless otherwise stated when ordering earthen pots will be used. All shipments made F. O. B. Morton Grove or Chicago. **Early shipments recommended**, so that as much as possible buds can be shipped that will open right for Easter and avoid bruising in shipping. No order for less than twelve plants accepted. **Our plants are fine, clean foliage, tall and medium lengths.**

PRICE LIST:

EASTER LILY PLANTS, 4 or more blooms to plant, per bloom, 12½c		
" " " 3 or less " " " 15 c		
EASTER LILIES Cut.	Firsts, per doz.,	\$2.00; per 100, \$15.00; per 1000, \$125.00.
" " "	Seconds, per doz.,	\$1.50; per 100, \$12.00; per 1000, \$100.00.
" " "	Short Grade, per doz.,	\$1.25; per 100, \$10.00; per 1000, \$80.00.
" " "	Five hundred at thousand rate.	

HYDRANGEA, 5 to 10 inch plants, 4 to 15 blooms, each 50c to \$1.50.

FOR EASTER Our Supply of Roses and Carnations will be Phenominal.

We are featuring ROSES, CARNATIONS, VALLEY, EASTER LILIES, VIOLETS, SWEET PEAS and BULBOUS STOCK.

- - OUR SPECIAL EASTER OFFERING - -

ROSES, GOOD SHORT, - - - - - \$40.00 per thousand
CARNATIONS, Good Assortment, "Our Selection" - 30.00 " "

Easter Price List in Effect March 18th, 1913

All our quotations are subject to market fluctuations, changes without notice, and our confirmation.

AMERICAN BEAUTIES		Per Doz.	LADY HILLINGDON.		Per 100	CARNATIONS—		Per 100
Specials		\$6.00	Specials		\$15.00	Firsts		\$5.00
36-inch		5.00	Long		12.00	Seconds		4.00
30-inch		4.00	Medium		8.00 to 10.00	Thirds		3.00
24-inch		3.00	Short		4.00 to 6.00	ORCHIDS, Cattleyas		
20-inch		2.00	RICHMOND.		Per 100	\$4.00 to \$6.00		
15-inch		1.50	Specials		\$15.00	JONQUILS		
12-inch		1.00	Long		12.00	DAFFODILS		
Short stem		Per 100. 6.00	Medium		8.00 to 10.00	TULIPS, double		
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.			Short		4.00 to 6.00	TULIPS, single		
Specials		\$15.00	KILLARNEY.			VALLEY		
Long		12.00	Specials		\$15.00	VIOLETS, Double, New York		
Medium		8.00 to 10.00	Long		12.00	VIOLETS, Single Princess of Wales		
Short		6.00	Medium		8.00 to 10.00	VIOLETS, Fragrant Home Grown		
MRS. AARON WARD.			Short		4.00 to 6.00	VIOLETS, Single, California		
Specials		\$15.00	KILLARNEY QUEEN			MIGNONETTE, large spikes		
Long		12.00	Specials		\$15.00	SWEET PEAS		
Medium		8.00 to 10.00	Long		12.00	SWEET PEAS, fancy		
Short		6.00	Medium		8.00 to 10.00	ADIANTUM CROWEANUM		
MELODY, specials			Short		6.00	SMILAX		
Long		12.00	WHITE KILLARNEY.			SPRENGERI		
Medium		8.00 to 10.00	Specials		\$15.00	PLUMOSUS SPRAYS		
Short		4.00 to 6.00	Long		12.00	PLUMOSUS STRINGS		
			Medium		8.00 to 10.00	FERNS		
			Short		4.00 to 6.00	GALAX		
						LEUCOTHOE		
						BOXWOOD, bunch, 25c; 50-lb. case,		



We are using corrugated boxes in shipping as much as possible. This should mean a saving on **Express Charges.**

CUT FL

OF HIGH GRA

FOR E

Large Supplies of American Beauties,

My Maryland and

WE HAVE ALL THE
STANDARD AND BEST NEW

CARNA

Buy from Us and get the best stock in

American Beauties

Per Dozen		Per Dozen	
60-inch stems	\$6.00	24-inch stems	\$2.50
48-inch stems	5.00	20-inch stems	2.00
36-inch stems	4.00	15-inch stems	1.50
30-inch stems	3.00	Short stems	1.00

Killarney

		Per 100
Extra special, 36-inch stems		\$10.00
Selects,	30 "	8.00
Fancy,	24 "	7.00
Medium,	20 "	6.00
Good.		5.00
Short stems,		4.00

Richmond

		Per 100
Extra specials, 36-inch stems		\$12.00
Selects,	30 "	10.00
Fancy,	24 "	8.00
Medium,	20 "	7.00
Good		6.00
Short stems		5.00

White Killarney

		Per 100
Extra specials, 36-inch stems		\$10.00
Selects,	30 "	8.00
Fancy,	24 "	7.00
Medium,	20 "	6.00
Good		5.00
Short stems		4.00

WIETOR B

TELEPHONE
RANDOLPH 2081

162 North Wabash

LOWERS

DE QUALITY

ASTER

Richmond, Killarney, White Killarney,
Sunburst Roses.

TIONS = AND CAN SUPPLY THE
BEST GRADE IN QUANTITY
this market at the most reasonable prices.

My Maryland

Fancy, 24-inch stems
Good, 15 " "
Short

Per 100
\$12.00
8.00
6.00

Sunburst

Fancy, 24-inch stems
Good, 18 " "
Short

\$12.00
8.00
6.00

Roses, our selection - - - 4.00

Carnations

Extra Special Red, Enchantress Pink and
White \$5.00 per 100.

Carnations

Good Red, Enchantress, Pink and White,
\$4.00 per 100.

Our Carnations were never better—finest in
Chicago Market.

Ferns, per 1000, \$2.50.

Smilax, per doz. \$1.50 to \$2.00.

Adiantum, per 100, \$1.00 to \$1.50.

Galax, per 1000, \$1.00.

Sprengeri, per bunch, 50 cents.

Asparagus Sprays, per bunch, 50 cents.

Lilies, \$12.50 to \$15.00 per 100.

ROTHERS,

Avenue, CHICAGO.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone 176 N. Michigan Ave.
Randolph 5449

Chicago

A BIG CROP OF White Carnations

— FOR —

St. Patrick's Day

And a Large Supply of

Choice Easter Stock

PUSSY WILLOWS, 35c to 50c per bunch

Easter Price List.

Subject to change
without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 8.00	\$ 6.00	\$ 5.00	\$4.00	.....
Killarney.....per 100	12.00	10.00	8.00	6.00	5.00
White Killarney.....	12.00	10.00	8.00	6.00	5.00
My Maryland.....	12.00	10.00	8.00	6.00	5.00
Richmonds.....	12.00	10.00	8.00	6.00	5.00
Mrs. Aaron Ward.....	12.00	10.00	8.00	6.00	5.00
Sunburst.....	12.00	10.00	8.00	6.00	5.00
Carnations.....	5.00	4.00	3.00	2.00	.....
Callas.....	15.00	12.50	.....	.....	.....
Lily of the Valley.....	4.00	3.00	.....	.....	.....
Violets, Extra fine single.....	1.50	1.00	.....	.....	.....
Double.....	1.50	1.00	.....	.....	.....
Sweet Peas.....	1.50	1.00	.....	.....	.....
Jonquils.....	4.00	3.00	.....	.....	.....
Tulips.....	4.00	3.00	2.00	.....	.....
Easter Lilies.....	15.00	12.50	10.00	.....	.....
Daisies.....	1.50	1.00	.....	.....	.....
Asparagus Plumosus Sprays..per 100	4.00	3.00	2.00	.....	.....
Asparagus Sprengeri Sprays..	3.00	2.00	.....	.....	.....
Mexican Ivy.....	.60	.....	.....	.....	.....
Smilax.....	16.00	12.50	.....	.....	.....
Galax, Green and Bronze.....per 100C	1.00	.....	.....	.....	.....
Ferns.....	2.00	.....	.....	.....	.....
Boxwood.....bunch	.25	.....	.....	.....	.....
Adiantum.....per 100	1.00	.75	.....	.....	.....

Peter Reinberg is coming in crop with Richmond roses and the stock that is now received at the store is of its usual good quality. Killarney and White Killarney are more plentiful here and fine Mrs. Aaron Ward are also among the offerings. Tim Matchen says that Mr. Reinberg is recovering from a successful operation, but is still confined at the Ravenswood hospital.

J. W. Davis and wife, of Davenport, Ia., were in the city a few hours on March 1, having just returned from a delightful outing at Palm Beach, Miami and other Florida cities. Mr. Davis met J. C. Vaughan, the well-known seedsman of this city, at the popular Florida resort and it is needless to add that it was just like running across a fellow from home.

Wietor Bros. will be on deck as usual with a full line of roses and carnations for Easter and are at present showing fine Killarney, White Killarney, Richmond and My Maryland roses. This firm's carnations are now arriving in fine condition and are sold quickly at good prices.

At J. A. Budlong's store lily of the valley is seen in larger supply and the receipt of roses are also much larger. The shipping trade is showing a marked increase here and the demand for American Beauty roses is so brisk that it is impossible to fill all orders.

Bassett & Washburn report a great improvement in their shipping trade this week and nearly always succeed in disposing of their stock before the closing time. This firm, as usual, will have a fine crop of lilies for its Easter trade.

A. L. Vaughan & Co.'s leader is a fine grade of American Beauty roses, but the supply of stock in general is steadily increasing. Business was very good at this store on March 1, when

Green and Blue Carnations and Roses

WE HAVE a very powerful coloring which will dye many white flowers a beautiful Emerald Green or Navy Blue in a few hours by absorption, or instantly by immersion. This dye is combined with a powerful and harmless chemical agent which helps to preserve and color the flowers. We have the coloring Red, Blue, Yellow, American Beauty, Orange, Purple, Brown, Light and Dark Green. Directions with each package, which will make 2 quarts of coloring. Don't be fooled with cheaper dyes, but get the real article, cheap.

PRICES

1 pkg. 75 cents; 6 pkgs. \$4.00; 12 pkgs. \$7.50; SPECIAL—1 quart pkg. 50 cents

Sent postpaid on receipt of price. Big discount to Jobbers.

ADDRESS **The Phila. Chemical Co.,** 5513 W. Thompson St., PHILADELPHIA, PA.

C. S. FORD, Mgr., P. O. Box 4515 West Park

For Sale by { **A. HERRMANN** Gen. Agent, 404-412 East 34th St., New York City.
W. F. KASTING CO., Buffalo, N. Y.
ED. REID, Philadelphia; **Holton and Hunkel Co.,** Milwaukee, Wis.
PITTSBURG CUT FLOWER CO., Ltd., Pittsburg, Pa. And others.

N. B.—Cut out this adv. and keep for future reference

the shipping trade was exceptionally brisk.

J. B. Deamud is featuring a fine grade of bulbous stock of all kinds in addition to a large supply of all other seasonable flowers and greens. Wild smilax is always handled in quantity at this store.

Henry Wittbold had the decorations for Marshall Field & Co.'s store opening this week, which is always quite an event as far as the beautifying of their establishment is concerned.

Wm. Timme, who has been employed at A. L. Vaughan & Co.'s store for the past several months, is now

busily engaged with greenhouse work at his father's establishment.

Joseph Ziska has such a big demand for wire designs that 10 men can barely turn out enough work to keep up with the orders.

"We never had such a big call for Easter baskets before" is the report at the Raedlein Basket Co.'s store this week.

Weiland & Risch are cutting from a good crop of roses and carnations and are featuring a fine grade of lilies.

E. C. Amling Co.'s present shipments of sweet peas are unusually fine and in great demand.

GOLDFISH

**"Something
Alive in the
Window"**

Catches
the public eye.

Order your
supply now.
**\$3.00 per 100
and up.**

Write for catalog

AUBURNDALE GOLDFISH CO.
920 W. Randolph Street, CHICAGO

SEND TEN CENTS

FOR A SAMPLE OF THE

Ever-Ready Flower-Pot Cover.



Strong cardboard foundation. Best waterproof crepe paper, silk fibre ribbon-ties at top and bottom. Firmly held with improved metal fastenings. Furnished in four colors and made in many sizes. An Ever Ready Flower Pot Cover around the old clay pot will increase the value of the plant considerably and add to your profits. Send 10c for a sample today.

Manufactured by the

EVER-READY FLOWER-POT COVER CO.

WM. H. GREVER, Manager

146 Hughes Avenue BUFFALO, N. Y.

New Club Cars Between

Chicago and Detroit

New club cars have been installed by the

Wabash

on its electric-lighted vestibuled night trains Nos. 5 and 12 between Chicago and Detroit leaving both cities respectively at 11:00 P. M. Midnight luncheon and breakfast are served a la carte in these cars.

T. C. Joy, of the Joy Floral Co., Nashville, Tenn., called on the growers here this week, showing his fine sport of Killarney. The flowers of this sport are the same pink shade as the original but the plant is much more vigorous and the blooms are of greatly increased size. Mr. Joy is much pleased with the opinions expressed regarding it by expert rose growers, in this vicinity.

Percy Jones reports trade very good, especially in the supply department, where special bargains are now attracting the attention of his buyers. H. Van Gelder is now busily engaged mailing a list of these bargains to the trade.

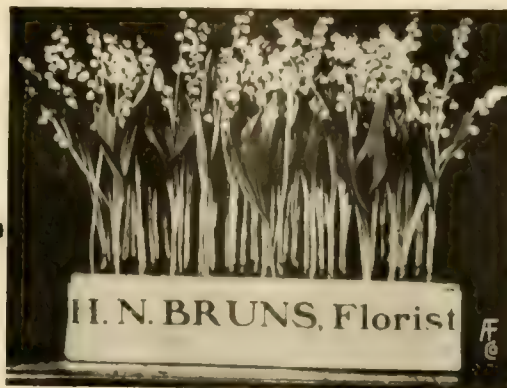
Thos. Knight, of the Knight & Struck Co., New York, left March 2 for Lake Geneva and will work eastward to Boston to be in time for the show there.

The illness of Ed. Goldenstein, of Vaughan's Seed Store, has developed into scarlet fever. The patient is progressing favorably.

Robert & Radke, of Maywood, have a fine lot of *Primula Malacoides* just right for the Easter business.

Secretary R. J. Haight of the Horticultural Society has returned from California.

W. N. Rudd is doing jury service in Judge Landis' court.



FOR EASTER

AND

ALL THE YEAR ROUND

BRUNS'

Lily of the Valley

Celebrated Chicago Market Brand

THE FINEST FORCING VALLEY IN AMERICA

\$18.00 per 1000; \$9.50 per 500; \$5.00 per 250.

Florists' Money Maker

\$16.00 per 1000; \$7.50 per 500; \$4.50 per 250.

Our Easter Specialties include Pans and Boxes in full bloom, the latter running 50 to the box.

H. N. BRUNS

3040 West Madison Street

CHICAGO

The Chicago Carnation Co. is shipping a large number of carnation cuttings to various parts of the country. On February 25, 47 large orders were filled and on the following day 15,000 cuttings were sent out. On the third day, February 27, some 17,000 cuttings were delivered.

John Poehlmann, Jr., who is a student at the Culver Military Academy, and his comrades, participated in the inaugural parade at Washington, D. C., this week. From the various newspaper reports it seems as if the Culver boys were one of the biggest attractions.

Mrs. Hubbard of Topeka, Kansas, expects to return home as soon as her son who was brought here for an operation for appendicitis recovers. At this writing he was recovering rapidly and it is expected that he will be able to return home soon.

At the Horticultural Society executive committee meeting March 4 plans for the flower show at the Art Institute, April 1-5, were advanced materially. The outlook now is for the finest exhibition ever held in this building.

At Kyle & Foerster's store trade is very good considering and the stock cleans up at an early hour. This firm has a number of good carnation growers on its list and has no trouble to dispose of their stock.

Carl Netschert will be located at his new and commodious quarters, 12-22 North Michigan avenue, after May 1. He is mailing a handsome illustrated catalogue of his spring offerings to the trade.

C. Freund of the A. A. Arnold Paper Box Co. reports a far heavier demand for florists' boxes this Easter than ever before, indicating a very brisk season.

Ed. E. McMoran & Co., manufacturers of the Peerless blower, report a heavy demand for this great improvement over the old style bellows.

S. A. Jamieson, the Geo. M. Gardland Co.'s representative in the northwest, has returned to Minneapolis after transacting business here.

Governor Dunne has appointed James H. Burdett, former secretary of the horticultural society, chairman of the civil service commission.

Duncan A. Robertson of the Adams-Robertson Co. reports a steady demand for cut flowers with a steady supply of decorative work.

Fred. Lautenschlager sold enough Kroeschell boilers on a recent trip to Milwaukee, Wis., to successfully heat 80,000 feet of glass.

C. Young, with C. Young & Sons Co., of St. Louis, Mo., was in the city buying stock this week for a large store decoration.

Quite a number of florists of this city attended the meeting of the Illinois State Florists' Association at Peoria, March 4-5.

H. V. Hunkel, of the Holton & Hunkel Co., Wis., visited Frank Oechslin's establishment on March 2.

Peter Pearson, 5732 Gunnison street, who has successfully grown begonias and cannas, reports a very good crop this year.

Miss K. Harris, with the Memphis Floral Shop of Memphis, Tenn., is the guest of Poehlmann Bros. Co. this week.

D. E. Freres' shipments of Killarney roses from the Adam Zender Greenhouses now are the largest of the season.

Mrs. H. Thielman is thinking very seriously of disposing of her present establishment and going to California. It is rumored that Miss E. Prickett and Wm. Sauerland of Des Plaines will be married in the near future.

O. Johnson recently bought out one of his partner's interests in the Batavia Greenhouse Co.

A. F. Kohr, the flower pot man, is working night shifts, trying to catch up with his orders.

PULLMAN EQUIPMENT

Pullman Equipment is essentially similar on all main lines of travel, but one finds the newest little refinements of service upon those lines which match it with their up to date Chair Car and Coach Equipment. Pullman builds the best cars, and the Chicago Great Western runs the best cars Pullman builds.

THE GREAT WESTERN LIMITED

the spotless steel train of solid Pullman Equipment leaves Chicago Grand Central Depot at 6.30 p. m., arrives St. Paul 7.30 a. m., Minneapolis 8.05 a. m. After theatre train leaves Chicago 11.00 p. m., arrives St. Paul 1.35 p. m., Minneapolis 2.10 p. m.

Chicago Great Western

A. L. Craig, G. P. A.

1139 People's Gas Building,
Chicago.

The A. Dietsch Co. is furnishing the material for several new ranges in Maywood.

Robt. Northam, with George Reinberg, is still serving on the jury.

Visitors: S. A. Jamieson, Minneapolis, Minn.; A. L. Spiro, representing Jacobs & Spiro, New York; H. V. Hunkel, Milwaukee, Wis.; Paul M. Palez, with Vestal's, Little Rock, Ark.; I. L. Pillsbury, Galesburg; Samuel Seligman and Sidney Wertheimer, representing Wertheimer Bros., New York; C. Young, St. Louis, Mo.; Miss K. Harris, Memphis, Tenn.; M. Alexander, with Lion and Co., New York; Mrs. Hubbard, Topeka, Kansas.

INDIANAPOLIS, IND.—Bids have been received and taken under advisement by the board of park commissioners for a new greenhouse at Garfield park from the following firms: Lord & Burnham Co., New York; Foley Mfg. Co., Chicago; Hitchings & Co., New York.

Cal Design Book

50 pages. Special, \$4.00

Dave Rosenberg

FLORAL SUPPLIES

1306 Laguna St. San Francisco, Cal.

Mention the American Florist when writing

LOS ANGELES, CALIF.—The Park Hill Floral Co., a wholesale firm with a propagating plant near Hemet, has purchased property at Juanita street and Florida avenue, where it has erected an office and ornamental display house for local distribution.

DEMING, N. M.—K. Saibara, who has nursery interests at Webster, Tex., and in Alabama and Mississippi, is developing a large nursery here.

Big Supply of Roses FOR EASTER

Also Lilies, Carnations, Bulbous Stock, Violets and all other seasonable flowers and greens. We handle nothing but the best stock grown by the best growers in this vicinity, so send your Easter order to us. Do it now.

ZECH & MANN

Wholesale Florists

162 N. Wabash Avenue : : : : CHICAGO, ILL.

St. Louis.

STOCK SUFFERS FROM BAD WEATHER.

Weather conditions influenced greatly the market during the past week. Violets and sweet peas suffered; sweet peas, especially, are coming in short stemmed and these, to be moved, must be sold at very low prices. Bulbous stock is a glut and this is augmented by the arrival of southern jonquils. Carnations and roses are increasing. There are large quantities of greens in the market; calla and Harrisii lilies are seen everywhere. The outlook for Easter lilies is that there will be a full supply.

NOTES.

Dr. George T. Moore, general director of Shaw's Garden, was notified by the trustees of their acceptance of his plan for the laying out of the new greenhouses. Work will be rushed so they can soon be completed and thrown open to the public. The trustees also announced the appointment of Dr. Jesse Moore Greenman as curator of the herbarium and offered a prize of \$500.00 in money for a new plant.

Ostertag Bros. had a very big job on hand last week. They had the decorations at the Coliseum for the automobile show. Thousands of yards of laurel, grey moss, artificial flower beds and trees filled the hall. At the Ostertag store preparations for Easter are seen. Last week the firm received a large shipment of palms badly frozen.

C. A. Kuehn has been sick, at home, during the past week. We hope his absence from the store will be of short duration. He is getting a splendid variety of flowers. His lily of the valley are some of the best seen in the market and he has also a fine assortment of fancy grown sweet peas.

The Wm. C. Smith Wholesale Floral Co. is doing an immense business and carries a fine stock. Their stock of roses is very fancy and commands top prices. The inclement weather during the past week kept them very busy unloading their immense supply of violets and sweet peas.

The Windler Wholesale Floral Co., although the youngest in the wholesale district, is daily increasing their trade. Frank Windler and Al Gumz, are the proprietors.

H. A. Hall and wife, of Joplin, visited St. Louis Friday en route to Wash-

Wire or Phone Your Orders to the Largest
Retail Supply House in the West

OSTERTAG BROS. FLOWERS

Exquisite Fragrance Ours,
The House of Flowers.

Washington & Jefferson Aves.
ST. LOUIS, MO.

O. R. ECKHARDT & CO.

Wholesalers of Cut Flowers
and Florists' Supplies

St. Paul, Minn.

ington, D. C., to attend the inauguration of President Wilson. Mr. Hall has a plant of 50,000 feet at Joplin and is a very successful grower.

The Schoenle Floral Co. has opened its new store. Mrs. Schoenle, widow of the late Charles Schoenle, will be the manager. Her long experience and artistic knowledge will assure success.

The St. Louis Floral Co., 2607 Lawton Ave., H. H. Harris, president, is doing a nice trade. Mr. Harris is colored and has quite a trade among his race.

M. M. Ayers' store is always worth looking at, being artistically decorated with a fine assortment of cut flowers.

The Metropolitan Floral Co. has a very pretty and well decorated window.

H. G. Berning's store is always well supplied with all varieties of cut flowers. His supply of roses and carnations is always of fine quality.

Julius Schaffer has entirely remodeled and painted his store and it now presents a very attractive appearance.

George Waldbart had his windows well filled with blooming plants.



NATURAL GREEN American Preserved Oak Sprays

are the Supreme Foliage Decoration for EASTER and Spring.

Florists all over the country are using our American Preserved Oak Sprays in their decorations for the Show Window, Banquet Hall, Church and Home.

ORDER a small quantity—enough to decorate your own windows—from your jobber NOW. Prepared in NATURAL GREEN, Red and Brown.

Ask your jobber for **GNATT'S MAGNOLIA LEAVES**. They are **Preserved** and **Dyed** in the following colors: PURPLE, GREEN, BRONZE and RED.

RUSCUS—In all the different shades. **CYCAS LEAVES**.

ORDER FROM YOUR JOBBER If he cannot supply you write for Free Samples and full particulars to

OSCAR LEISTNER, 17 N. Franklin St., Chicago.

Distributing Agent for OVE GNATT, Hammoud, Ind. Preparer of Natural Foliage.

Francis Gorly left recently for Hot Springs to take a week's vacation. The firm of Grimm & Gorly will shortly move into their new store, which will be elegantly fitted up and will command more sale space. They have the decorations for Nugent's spring opening.

George H. Angermueller has a fine supply of lilies, roses and carnations. He makes a specialty of fine orchids and an endless supply of florists' supplies.

The Diemer Floral Co. has added special improvements to their store. A special designer is now added on natural and artificial work. W. F.

Milwaukee.

STOCK MORE PLENTIFUL.

The market has eased up considerably with plenty of carnations, which move fairly well. Roses are coming in more plentifully and at a more moderate price, but bulb stock, which is coming in in large quantities, is selling quickly but at such low prices that the grower realizes little from the sales. Fine sweet peas are making their appearances and find a ready sale. Lilies, both Harrisii and callas, are a scarcity and those that do come in are of a poor quality. Greens have been scarce for the past week, but at the present are coming more plentifully.

NOTES.

The Holton & Hunkel Co. reports business good, having plenty of stock to fill all orders. This firm has a fine line of plants for Easter and is making a strong bid for trade in the northwest. H. V. Hunkel made a business trip to Chicago on March 2.

The C. C. Pollworth Co. says business has been good for the past week with large amounts of stock which moved well. This firm has an exceptionally fine crop of lilies coming on for Easter.

Aug. Kellner has received his material from the John C. Moninger Co., Chicago, for his new range, which will be erected in the near future. Mr. Kellner will grow stock for the local market.

Currie Bros. Co. are busy in their seed department preparing for their spring business. This firm reports business good in the flower line.

Gust Rusch & Co. report business good for the past week. This firm is receiving some exceptionally fine butterfly sweet peas.

BOWLING SCORES.

A. Hare...118 134 160	W. Hall's...144 136 153
F. Holton...139 196 180	G. Pohl...177 168 159
G. Kellner...179 146 151	H. Schim'l...112 142 136
R. Pruess...106 162 132	W. Schim'l...149 150 139
G. Rusch...100 162	H. Heine...98 117 132

G. R.

Flowers for Palm Sunday and Easter

QUANTITIES OF SUPERIOR QUALITY

EASTER LILIES

And Everything in Cut Flowers.

Also GREEN DYE for ST. PATRICK'S DAY
75 Cents per Quart

Give Us a Trial Order.

H. G. BERNING,
1402-04 Pine St., ST. LOUIS. MO.

Mention the American Florist when writing

We Will Have for Easter 50,000

Easter Lilies

Large Healthy Perfect Blooms

\$12.50 per 100

Also a full assortment of **Roses, Carnations, Valleys, Sweet Peas, Violets, Tulips, Hyacinths, Narcissus, Swainsonas, Snapdragons, Lilacs, Rhododendrons, Ferns, etc.**

The Miami Floral Company

DAYTON, OHIO

Long Distance Phones - Bell 1102 - Home 4473

Mention the American Florist when writing

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids, Violets and Other Seasonable Stock.

Long Distance Phone
Central 3598.

WIETOR BROS.

Wholesale **CUT FLOWERS**
Growers of

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Cincinnati.

BUSINESS INCREASING.

Last week started rather quietly. It followed in the footsteps of the market of previous weeks. As the week passed business improved until at the close nearly everything was going splendidly. The opening of this week was even better than the close of last, for the wholesalers managed to maintain a very substantial advance in prices in some lines. The supply of roses is large and they clean up nicely. The supply of American Beauty roses is adequate. Carnations seem to be going off and on Monday the wholesalers boosted the price and with the large demand for this bloom they were able to maintain it throughout the day. According to indications the price will probably be at this figure for some time. Bulbous stock is selling better than it did since the opening of the season. The calla and gigantum lilies are both still more than adequate for needs. The good sweet peas continue to sell well. This is true of home grown single violets also. The call for lily of the valley is only ordinary.

NOTES.

T. Ben George has opened a store on Eastern avenue near Tusculum. The neighborhood is well settled with people of comfortable means and Mr. George should do a good business in the new location.

S. W. Murphy lost part of one of his houses the other night. About ten feet of the house was destroyed by fire.

C. E. Critchell has been receiving some elegant snapdragons from Buck & Co. of Washington C. H.

Walter Butler opens a retail store this week on Madison avenue near Woodburn in Walnut Hills.

The regular meeting of the Florists' Society will be held Monday, March 10, at the clubrooms.

Wm. J. Rodgers, manager of the Miami Floral Co., Dayton, was in the city on Monday.

The primulas at J. A. Peterson & Son's plant are some of the finest they have ever had.

Visitors: Emar Jensen, of Buck & Co., Washington C. H.; Ellis Woodworth of the Sefton Mfg. Co., Chicago; Oscar Leistner, Chicago; A. Kakuda, with the Yokohama Nursery Co., New York.

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers
at Lowest Market Prices.

30 E. Randolph St., CHICAGO

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, March 5.		Per doz.
Roses, Beauty, specials.....		\$0 00
" " 36-in.....		5 00
" " 30-in.....		4 00
" " 28-in.....		3 00
" " 15-20-in.....	1 50@	2 00
" " 12-in.....		1 00
" " Short.....	\$6 00@	10 00
" Killarney.....	4 00@	12 00
" White Killarney.....	4 00@	12 00
" Richmond.....	4 00@	12 00
" Prince de Bulgarie.....	4 00@	15 00
" Radiance.....	4 00@	12 00
" My Maryland.....	4 00@	12 00
" Melody.....	4 00@	12 00
" Mrs. Jardine.....	4 00@	12 00
" Lady Hillingdon.....	4 00@	12 00
" Sunburst.....	4 00@	15 00
Carnations.....	1 00@	3 00
Daffodils.....		3 00
Cattleyas.....per doz.,	4 00@	6 00
Gardenias.....	2 00@	4 00
Jonquils.....		10 00
Lilium Harrisii.....		10 00
Orchids Dendrobium, per doz.,	5 00	
Romans.....	2 00@	3 00
Tulips.....	3 00@	4 00
Violets.....	50@	1 00
Valley.....	3 00@	4 00
Sweet Peas.....	75@	1 50
Adiantum Croweanum.....		1 00
Boxwood.....per lb.,	25	
Ferns.....per 1000,	2 00@	2 50
Galax.....	1 25	
Leucothoe.....		75
Mexican Ivy.....per 1000,	5 00@	6 00
Plumous Strings.....each,	50@	60
Smilax.....per doz.,	1 50@	2 00
Sprengeri, Plumous Sprays.....	3 00@	4 00

ROSES

White and Pink Killarney and Richmond
Roses. Red, White and Pink Carnations. Callas, Sweet Peas, and Greens of all kinds.

W. E. Trimble Greenhouse Co.
Princeton, Ill.

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond, Killarney and White Killarney roses. All orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Chicago Carnation Co.

Wholesale Florists,

30 E. Randolph St., Chicago
L. D. Phone, Central 3373.

Mention the American Florist when writing

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing



C.C. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

For the SOUTHWESTERN MARKET

LILIES FOR
EASTER

Anything in Cut Flowers and Supplies.

GREEN DYE

WINDLER WHOLESALE FLORAL CO., for St. Patrick's

1310 PINE STREET, ST. LOUIS, MO.

Philadelphia.

AMERICAN BEAUTIES VERY SCARCE.

The feature of the past week has been the inactivity of the flower business. There is an abundance of stock, and considering the light demand prices hold very well. American Beauty roses may be called an exception, as they are still scarce. One quite important grower after trying for a week to get together a dozen with twenty-four-inch stems was obliged to give it up. All other varieties are in good supply, with Killarneys particularly coming in too fast. The white, however, on account of the demand for funeral work, sell up closely and are good stock. Carnations are fine and move fairly well. Violets hang fire as well as Easter and calla lilies, which are abundant. Snapdragon will be an important factor from now on, as it is becoming much more plentiful and is of excellent quality. Excellent gardenias are offered daily. The supply of cattleyas is quite equal to the demand.

NOTES.

Leo Niessen says that the best results are obtained with green dye for coloring flowers, when it is dissolved in boiling hot water. One package of the powdered dye dissolved in a quart of hot water makes a stock solution and is of sufficient strength to color several quarts of water ready for use.

Roses, carnations and violets in quantity lots are the feature of the Leo Niessen store. Every encouragement is given to buyers to boost their trade by making large displays at small cost. Mr. Niessen says that those who go about it the right way are making good.

The M. Rice Co.'s factory is again working at night. B. Eschner says they have never made as many baskets in their history as they have since last August, there being only three weeks' letup in their night work since that time.

The out-of-town florists are the salvation of the market at this time, say the commission men, large shipments being made every day, which would indicate that trade must be more regular in the smaller communities.

Sweet peas, daffodils and tulips are leaders at Berger Brothers'. An excellent Easter business is expected, as good orders are already coming in for lilies, carnations and violets.

Edw. Reid's leader the past week has been an excellent assortment of sweet peas. Carnations are also a feature.

Wholesale Flower Markets

PHILADELPHIA, March 5.	Per 100
Roses, Beauty, extra.....	50 00@60 00
first.....	20 00@35 00
Brides and Maids.....	4 00@12 00
Killarney.....	4 00@15 00
White Killarney.....	4 00@15 00
Liberty.....	6 00@15 00
Carnations.....	3 00@ 5 00
Cattleyas.....	35 00@50 00
Daffodils.....	2 50@ 3 00
Freesias.....	3 00@ 6 00
Gardenias..... per doz., 1 00@ 2 00	
Lilium Harrisii.....	8 00@12 00
Lily of the Valley.....	3 00@ 5 00
Calla Lilies.....	10 00@12 00
Marguerites.....	1 50@ 3 00
Snapdragons.....	10 00@20 00
Sweet Peas.....	75@ 1 50
Violets, single.....	75@ 1 00
double.....	75@ 1 00
Adiantum.....	75@ 1 00
Asparagus..... per bunch, 50	
Tulips.....	2 00@ 4 00

PITTSBURG, March 5	Per 100
Roses, Beauty, special.....	50 00
extra.....	30 00
No. 1.....	15 00
Killarney.....	3 00@10 00
My Maryland.....	3 00@10 00
Richmond.....	3 00@10 00
Carnations.....	3 00
Calla Lilies.....	12 00
Freesias.....	3 00
Gardenias.....	3 00
Daisies.....	2 00
Cattleyas.....	50 00
Violets.....	50@ 75
Sweet Peas.....	75@ 1 00
Lilium Longiflorum.....	12 00
Lilium Rubrum.....	8 00
Lily of the Valley.....	4 00
Daffodils.....	3 00
Tulips.....	3 00
Paper White.....	3 00
Romans.....	2 00
Poeticus Narcissus.....	1 00
Sweet Alyssum.....	20c
Baby Primroses.....	50
Oncidiums.....	4 00
Adiantum.....	1 25
Lilac..... per bunch, \$1 00	
Asparagus Sprengeri, per bunch, 35@40	
Sprays..... per bunch, 35@40	

MILWAUKEE, March 5.	Per 100
Roses, Beauty, per doz., 2 00@5 00	
White and Pink Killarney, 5 00@12 00	
Richmond.....	5 00@12 00
Carnations.....	1 50@ 3 00
Callas..... per doz., 1 50	
Lilium Gigantum, per doz., 1 50@ 2 00	
Lily of the Valley.....	3 00
Sweet Peas.....	1 00@ 1 50
Tulips.....	2 00@ 3 00
Trumpet.....	3 00@ 4 00
Paper White.....	2 00@ 3 00
Violets, Wisconsin grown.....	75@ 1 00
Asparagus..... per string, 50	
Sprengeri, per bunch, 35	
Ferns, common.....	2 00
Galax..... per 1000, \$ 1 50	

St. Patrick's Carnation Fluid.

For Coloring Carnations Green.

Per Qt., \$1.00 Per Pint, 50c

GEO. H. ANGERMUELLER

Wholesale Florist

1324 Pine St., St. Louis, Mo.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

Per 1000
Dagger Ferns, \$1.50
Fancy Ferns, 2.00

THE LEO NIESSEN CO.,

You cannot find a better grade of ferns anywhere. Regardless of the price you are paying, we invite you to make comparison with others. Why pay more than the price we are quoting?

Wholesale Florists,
 N. W. Cor. 12th and Race Sts.,

Philadelphia, Pa.

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
 Lickrun, Cincinnati, Ohio

Easter Plants

Guaranteed to give satisfaction

Liliums (per bud and flower) \$18.00 per 100
Hyacinths (4-in. all colors) 10.00 " 100
Tulips (4-inch pans) 1.50 " doz
Spiraea Glaberrima (7-in. pts) 4.00 " "
Primula Obconica (large flowering, 4-inch) 1.50 " "
Primula Obconica (large flowering, 5-inch pans) 3.00 " "
Deutzia Gracilis (7-in. pots) 7.50 " "
Hermosa Roses, in bloom 3.00 " "
Lilacs, 2 to 3 feet, 12 to 15 flowers 1.50 each
Azaleas, 50c, 75c, \$1.00, \$1.25, \$2.50 "

and a fine line of all varieties of ferns.

McCALLUM CO.

PITTSBURGH, PA.

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

Pennock Brothers' window decoration the past week was made with the Baby Tausendschon rose and its stronger growing namesake. A lattice of bamboo rods formed a background. The effect was beautiful and attractive. The Baby Tausendschon rose is the coming basket sort. It is a grand variety, a true baby rambler, keeping dwarf and carrying a wealth of beautiful buds and blossoms of a light shade of pink that is simply irresistible.

Henry Penn of Boston, who, with his family, has been spending some time at Atlantic City, was in the city looking up basket stock for his Easter trade.

Mrs. H. H. Battles and Miss Grace Battles are spending the Lenten season in southern California.

Robert Craig, who has been confined to the house with a bad cold, is about again.

K.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, March 5.
 Roses, Beauty, special..... per doz., \$6.00
 " " fancy..... " 5.00
 " " extra..... " 3.00
 " " No. 1..... " 2.00
 " " No. 2..... " 50¢ 75¢
 " " Maid and Bride..... 5.00 6.00
 " " Pink Killarney..... 5.00 12.00
 " " White Killarney..... 5.00 12.00
 " " Richmond..... 5.00 12.00
 " " My Maryland..... 5.00 12.00
 " " Aaron Ward..... 5.00 10.00
 Carnations..... 2.00 3.00
 Lilyum Longiflorum..... 10.00 12.00
 Lily of the Valley..... 3.00 4.00
 Pink Japan Lily..... 2.00 5.00
 Narcissus..... 2.00 3.00
 Jonquils..... 2.00 3.00
 Violets..... 50¢ 60¢
 Mignonne..... 3.00 6.00
 Daisies..... 1.00 1.50
 Adiantum Croweanum..... 75¢ 1.50
 Asparagus, per bunch..... 35¢ 50¢
 Asparagus, Sprenger..... 35¢ 50¢
 Ferns..... per 1000, \$2.50
 Galax..... per 1000, \$1.50
 Smilax..... 15.00

BOSTON, March 5.
 Roses, Beauty, best..... 35.00 50.00
 " " medium..... 18.00 25.00
 " " culls..... 4.00
 " " White and Pink Killarney..... 2.00 6.00
 " " Extra..... 6.00 10.00
 " " Taft..... 4.00 10.00
 " " Cardinal..... 2.00 10.00
 " " Ward and Hillingdon..... 2.00 8.00
 " " Killarney and Richmond..... 2.00 8.00
 " " My Maryland..... 2.00 8.00
 Carnations, select..... 2.00 3.00
 Callas..... 8.00 12.00
 Cattleyas..... 25.00 40.00
 Gardenias..... 12.00 25.00
 Lilyum Longiflorum..... 8.00 10.00
 Lily of the Valley..... 2.00 4.00
 Sweet Peas..... 50¢ 75¢
 Smilax..... 12.00 16.00
 Violets, single..... 35¢ 75¢
 " double..... 25¢ 50¢

CINCINNATI, March 5.
 Roses, Beauty..... per doz., \$1.00 4.00
 " " Bride, Bridesmaid..... 3.00 8.00
 " " Killarney..... 3.00 8.00
 " " My Maryland..... 3.00 8.00
 " " Perle..... 3.00 8.00
 " " Richmond..... 3.00 8.00
 " " Taft..... 3.00 8.00
 Carnations..... 3.00 4.00
 Callas..... 12.50 15.00
 Lilyum Gigantum..... 12.50 15.00
 Lily of the Valley..... 3.00 4.00
 Orchids..... per doz., 4.00 6.00
 Narcissus..... 2.00 3.00
 Tulips..... 2.00 4.00
 Jonquils..... 2.00 3.00
 Dutch Hyacinths..... 3.00 4.00
 Roman Hyacinths..... 2.00 3.00
 Violets..... 50¢ 1.00
 " double..... 50¢ 75¢
 Freesias..... 2.00 3.00
 Sweet Peas..... 2.00 1.00
 Adiantum..... 75¢ 1.00
 Asparagus Plumosus..... per bunch, 25¢
 Asparagus Sprenger..... per bunch, 25¢



Give Us a
 Trial
 We Can
 Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists.
BUFFALO, N. Y.
 Florists' Supplies and Wire Designs.

—THE—
J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO

Wholesale Commission Florists

Consignments Solicited

Complete Stock of Florists' Greens and Supplies

St. Louis, March 5.
 Roses, Beauty, long..... per doz., 4.00
 Roses, Beauty, medium..... 8.00 15.00
 Roses, Beauty, short stems..... 3.00 6.00
 " " Killarney..... 5.00 10.00
 " " My Maryland..... 5.00 10.00
 " " White Killarney..... 5.00 10.00
 Carnations..... 2.00 3.00
 Easter Lilies..... 10.00 12.50
 Lilyum Rubrum..... 8.00
 Valley..... 4.00
 Violets..... 40¢ 60¢
 Asparagus Sprenger..... 2.00 3.00
 Asparagus Plumosus, per bu., 35¢ 60¢
 Ferns, New, Fancy..... 1.75
 Galax..... per 1000, 1.25

PHILADELPHIA

NEW YORK

WASHINGTON

OFFICIAL
S. A. F.**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.

**Shipping Labels**

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red
Price per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St., Chicago**New York.****GOOD ROSES SCARCE.**

The situation in the wholesale cut flower district seems rather cloudy. On March 1 it was hard to secure good special American Beauty roses for \$1.00 each. In Killarneys and other tea roses, there was also a scarcity of special stock. Of the inferior grades there were thousands and they were hard to move. Practically every other stock was in surplus. We have no desire to exaggerate, but in carnations, narcissi, tulips, sweet peas and violets there seems to be more stock in sight than can be used. In orchids and gardenias there was an abundant supply. Much fine plant stock is now on the market and it would appear that there will be a good supply for the Easter trade.

Monday, March 3.—The market is quiet with a surplus of nearly all stocks. The notable exceptions are American Beauty roses, specials being very scarce and selling for \$1 each. A fierce gale raged throughout the city March 2, doing considerable damage. Great crowds are leaving for Washington, D. C., to attend the inauguration. Florists who have gone are: Edward J. Dorval of Woodside, Peter Beauerlin and his son-in-law, Daniel J. Dailey of Elmhurst.

NOTES.

General Manager Joseph Millang of the New York Cut Flower Co., has returned from his European trip, improved in health and looking well. He was well pleased with what he saw of the flower trade in London and Paris. Some of the "boys" in the trade were so glad to see him back that they presented him with a "poetical" address. To be absolutely correct the poetry was not quite equal to some of that written by Longfellow and Whittier, but it expressed the good feeling of the "boys."

It is said that C. C. Trepel, who already has the concession for the sale of cut flowers in the department stores of Gimbel Bros., Bloomingdale Bros. and Frederick Losier's, Brooklyn, has secured a similar concession from the Simpson, Crawford Co., another large department store at 307 Sixth avenue.

The display at the plant store of William Kessler, 113 West Twenty-eighth street, is now particularly fine. With an ample conservatory in the rear, and by tasteful arrangement of most excellent stock, he has produced effects that are very pleasing and attractive.

Among the interesting visitors early in the past week, was Harry Quint of Boston, Mass. He recently opened a retail store at 164 Tremont street, Boston. His leading designer is Al. Bock, formerly with Geo. M. Stumpp of this city.

Percy B. Rigby of the S. S. Pennock-Meehan Co. has been confined to his home for several days with an attack of grippe. During his absence from the store William Moore, his assistant, has been kept very busy.

It is hard to believe that business can be dull with dealers in green. At the store of the Kervan Co., 119 West Twenty-eighth street, it is a daily occurrence to see great cases of various green goods being unloaded.

Notable among many fine flowers now seen in the retail stores are the

orchids at Thomas Young, Jr.'s. Mr. Young has made a great success with both orchids and gardenias at his Bound Brook, N. J., range.

Already there are heralds of St. Patrick's day in the stores. In the wholesale store of H. E. Froment we recently noted a conspicuous placard inviting customers to place their orders for green violets.

At the Broadway store of J. H. Small & Sons on March 1 we noticed a remarkably fine display of acacias in pots which had been grown at their Washington, D. C., greenhouses.

Edward M. Murray has been acting as buyer for J. H. Small & Sons since the confinement of W. K. Trumppore in the French Hospital. Mr. Trumppore is said to be slowly improving.

Walter J. Barnwell, vice-president of the Macniff Horticultural Co., 56 Vesey street, has taken hold of the seed department with vigor and is selling lots of stock.

Though there is much complaint in the wholesale district about dull times, M. C. Ford is cheerful. The high grade of stock he handles will sell if anything sells.

The old veterans in the wholesale business say that the past week brought about the dulllest business they have ever seen.

Friends who recently visited John Young, secretary of the S. A. F. in Roosevelt Hospital, say that he is doing well.

George Siebrecht, 109 West Twenty-eighth street, is now handling particularly fine long stemmed single violets.

Among the visitors on March 1 were E. M. McLellan, San Francisco, Calif., and Frank Spencer, Utica, N. Y.

A. F. F.

Pittsburg.**LILIES AND ROSES SCARCE.**

With spring-like weather here again, we feel sure that stock will be coming in much stronger than in the past few weeks. Carnations and sweet peas are here by the thousands, and the inferior grades of the latter do not get much of a chance at this time. The quality of carnations is still excellent, and we must say that this has been the very best season for these flowers we have had for a long time. Roses are still very scarce and lilies are also. The gardenia market is rather poor at present, many going to waste. Lilacs also are poor, and prices have gone down. Daisies in white and yellow are fine, and find ready sale on the wholesale markets. Some good myosotis has made its appearance and is cleaned up at sight. Bulb stock of all kinds is here in quantity and very poor prices prevail on this kind of stock. Violets have been moving very poorly, and the street fakirs can be seen nearly every night with them. They also thrive on lily of the valley, for which there is not much demand. Greens of all kinds continue to be scarce, and we wish the growers would send us more.

NOTES.

Ross Adgate has returned from his home in Niles, O., and reports his father as being very much improved. Ross will now resume his road duties for the McCallum Co.

The death of a prominent citizen of Braddock kept Drews & Buehler, that town's florists, very busy Mon-

HORACE E. FROMENT**WHOLESALE COMMISSION**

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St., NEW YORK.

CUT FLOWERS**WHOLESALE PLANTSMEN AND FLORISTS**

Phone 2336 Madison. Shipments Everywhere.

Prompt and satisfactory. Consignments solicited.

day. They report many orders for large designs.

The McCallum Co. has leased the third floor of the adjoining building on Seventh street and will use it as a warehouse for their growing supply business.

Jos. Thomas has sent in an advance sample of a dozen of his Primula obconica in 6-inch pots. The quality is exceptionally fine.

Stuart L. McLean of Youngstown, O., has left the firm of his father and is now in business for himself.

H. D. Rohrer is consigning some very fine carnations to the McCallum Co. which find ready sale.

The new rose Killarney Queen has made its appearance and is growing popular.

The Pittsburgh Cut Flower Co. is running strong on Cattleya Trianea.

J.

Nashville, Tenn.**BUSINESS GOOD.**

Business continues very good in spite of the fact that it is the Lenten season and there is a liberal demand for flowers every day. The flower supply is excellent and of fine quality. Carnations are very good and roses too are in fine condition. There seems to be an endless variety of potted plants, beautiful azaleas, cinerarias and all kinds of bulbous stock. The Von Sion narcissi are especially beautiful and much sought after. There will be an abundant supply of everything needed for the Easter trade.

M. C. D.

Chicago Bowling.**C. C. F. A. LEAGUE.****Team Standings.**

	Won.	Lost.		Won.	Lost.
Roses	32	27	Orchids	28	29
Violets	20	28	Carnations	25	32

Individual and team scores for games played February 19:

Orchids.				Violets.			
Krauss	130	152	166	Cole	120	129	132
Graff	150	177	161	Jacobs	149	153	184
Econ p lus.	169	152	145	Wolf	123	170	225
Brostrom	149	182	168	Schultz	183	134	147
J. Zech	172	168	168	Huebner	131	167	164
Goerisch	133	171	166				
Totals	770	831	808	Totals	706	753	852
Roses.				Carnations.			
Schleiden	137	137	119	Lorman	144	180	165
Ryers	186	132	175	Lieberman	169	125	164
Price	167	211	200	Armstrong	155	142	139
Fischer	157	190	201	Ayres	155	142	182
				A. Zech	144	201	149
Totals	780	841	801	Totals	767	790	809

M. C. FORD, WHOLESALE FLORIST

American Beauty Roses, All Varieties of
Killarney Roses, Carnations, Double
Violets, All Choice Blooms : : : :

121 West 28th Street :: NEW YORK



Make your entry of

SIX ROSES

at the next
International Flower

SHOW

to be held in New York
April 5-12

and win the

Fifty Dollar Silver Cup

offered by

MOORE, HENTZ & NASH

For Conditions, see the
Schedule of Prizes

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

VIOLETS \$1 per 100

FOR

Double Violets

Direct from the largest grower

Telephone-Telegraph Connection

EASTER

J. VONDER LINDEN, Rhinebeck, N. Y.

LARGE DOUBLE VIOLETS

F. R. SNYDER, Violet Grower.

EXTRA FINE PICK FOR EASTER.
WRITE FOR PRICES.

RHINEBECK, N. Y.

Wholesale Flower Markets

NEW YORK, March 5.		Per 100
Roses, Beauty, special	75 00	@100 00
" extra and fancy	40 00	@50 00
" No. 1 and No. 2	2 00	@15 00
" Bride, Bridesmaid special	5 00	@8 00
" extra and fancy	3 00	@4 00
" No. 1 and No. 2	1 00	@3 00
" Killarney, My Maryland	8 00	@10 00
" special	4 00	@6 00
" No. 1 and No. 2	2 00	@4 00
" Queen, special	10 00	@12 00
" Red, special	10 00	@12 00
" Hillingdon, Aaron Ward	10 00	@12 00
" Richmond	8 00	@12 00
" Sunburst, special	6 00	@15 00
" Taft, special	12 00	@15 00
" Mrs. Geo. Shawyer, special	15 00	@20 00
Carnations	1 00	@3 00
Jonquils	1 00	@2 00
Cattleyas	20 00	@35 00
Gardenias	10 00	@30 00
Tulips	1 00	@2 00
Lilies, Longiflorum and Harrisii	6 00	@8 00
L. Rubrum	10 00	@10 00
Lily of the Valley	1 00	@2 00
Narcissus, Paper White	1 00	@1 50
Sweet Peas, per doz. bunches	50	@1 00
Violets	15	@30
Adiantum Croweanum	15	@50
Asparagus Plumosus, doz. bchs.	1 50	@3 00
Smilax, per doz. strings	1 00	@1 25
Lilac, per bunch	25	@75
Freesias, per doz. bun.	1 50	@2 00

BIRMINGHAM, ALA.—Hugh Sanders has disposed of an interest in his business to the Calmant Nurseries and now devotes all his attention to the greenhouse end of the business while Mr. Calmant operates the store.

Geo. C. Siebrecht WHOLESALE FLORIST

109 West 28th St., NEW YORK
Tel. 608 and 609 Madison Square

CONSIGNMENTS SOLICITED

Guttman Flower Growers Co.

A. J. GUTTMAN, President.

Wholesale Florists

Removed to 102 W. 28th St., New York
Phone 1912 and 7983 Madison Square.
18 Years Experience.

The Kervan Company FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

IT'S RICE
FOR QUALITY, SERVICE, PRICE
ORDER FROM US TODAY YOUR EASTER SUPPLIES & RIBBONS
M. RICE COMPANY
1220 Race Street - - - PHILADELPHIA, PA.

We have a fine stock of fresh gathered

MOSS

Long and clean from sticks and it cannot be excelled for Florists' use

Burlapped

1 10 bbl. bale \$3.50
 2 10 bbl. bale 6.50

While our Present Stock Lasts.

These goods are Guaranteed. References given
THE OCEAN COUNTY MOSS & PEAT CO.
 P. O. Box 11, WARETOWN, N. J.

Mention the American Florist when writing

PETER GIANOPULOS

36 SHARON STREET,

Or Office

61 MASSASOIT STREET,

Telephone, 2498.

SPRINGFIELD, MASSACHUSETTS.

Wholesale and Retail

Dagger Ferns,

No. 1 Stock.

Wholesale Price, - 75 cents per 1000
 Retail Price, - 90 cents per 1000

Mention the American Florist when writing

BOTANIC GREEN

Color Your Cut Flowers
 for St. Patrick's Day

Price, 50c a Package

Also a full line of other colors

Orange Chemical Co.

Dept. F. EAST ORANGE, N. J.

Mention the American Florist when writing

George Cotsonas & Co.

Wholesale and Retail Dealers
 in all kinds of

Evergreens

Fancy and Dagger
 Ferns, Bronze and
 Green Galax, Holly,
 Leucothoe Sprays,
 Princess Pine, Etc.,



Delivered to all parts of United States and Canada
 127 W. 28th St., bet. 6th & 7th Av. New York
 Telephone 1202 Madison Square.

Mention the American Florist when writing

Special Easter Prices

Best quality **Fancy** or **Dagger Ferns**, \$1.25 per 1000. Discount on large order.

Laurel Festooning, 4c, 5c and 6c per yd. Made fresh daily from the woods.

Best Bronze or **Green Galax**, 75c per 1000 or \$6.00 per case 10,000.

Bunched Laurel, 35c for a large bundle.

Boxwood Fine Sprays, free from wood, \$15.00 per 100 lbs. or \$7.50 per case.

Fine Sphagnum Moss, 75c per sack or 12 bbl. bales only \$5.00.

Best Southen Wild Smilax, 50 lb. cases \$5.00.

Write,

Wire
 or Phone



Millington,
 Mass.

Do Not Take Any Fake Green Thread. Use the
 Genuine Silkline and Get More Thread
 and Less Wood.



JOHN C. MEYER THREAD CO., 1495 Middlesex St., Lowell, Mass.

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes

The MEYER Green

SILKLINE

Used by Retail Florists for mossing funeral
 designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it
 will not fade or rot in the greenhouse. The Meyer
 Silkline was the first green thread to be introduced
 among Florists and Growers. It is handled by the
 best houses everywhere, but it should be ordered by
 name—Meyer's Silkline—to be sure of getting the
 genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the
 manufacturers. Price for any size or color, \$1.25 per
 lb. Sizes "F" fine, "FF" medium, and "FFF" coarse.

Lowell Thread Mills, 1495 Middlesex St., Lowell, Mass.



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
 Sphagnum Moss, large bales.....\$1.50
 Wild Smilax, always on hand.....50-pound cases \$5.00
 Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
 Boxwood.....per pound 20c; 50-pound case, \$7.50
 Magnolia Leaves. Imported Green and Bronze, Basket, \$1.75; 6 baskets, \$1.50 each
 Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money
 by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50

A most pleasing substitute for Green Wild Smilax
 New crop Fancy and Dagger Ferns now ready.
 Write, wire or phone.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN,

ALABAMA

CUT FERNS, Best Quality

1,000 at \$1.35;
 2,000 at \$2.60;
 5,000 or over \$1.20 per 1000

Robert Groves, 127 Commercial St.
 ADAMS, MASS.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

GREAT BRITAIN

WILLS & SEGAR,

Royal Exotic Nursery,

Onslow Crescent, S. Kensington, London

FLORISTS TO HIS MAJESTY THE KING.

We shall be glad to carry out commissions from our American confreres to deliver
Cut Flowers, Floral Baskets, Floral Designs,
Baskets of Choice Fruit, Etc.
to American visitors in any part of Great Britain.

Cablegrams — "FLOSCULO, LONDON."

DULUTH, MINN. ➡

2 STORES 2

➡ SUPERIOR, WIS.

J. J. LEBORIOUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



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"WILSON"

3 and 5 Greene Ave., Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.

Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

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John G. Heintz & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season!

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Chicago.

A. LANGE,

25 E. MADISON ST.

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Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.

Mention the American Florist when writing

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

March 8.

FROM ST. JOHN, Hesperian, Allan.
Cameronia, Anchor, 9 a. m., Pier 64, North River.

Italia, Anchor, Pier 64, North River.

Rochambeau, French.

Oceanic, American, 12 noon, Pier 59, North River.

Lapland, Red Star, 10 a. m., Pier 61, North River.

FROM PORTLAND, Dominion, White Star.

Dom., 10 a. m.

America, Navigazione, Pier 74, North River.

Czar, Russian-American, 2 p. m.

Hyades, Houston.

Voltaire, Lamport & Holt, 9 a. m.

March 11.

FROM BOSTON, Arable, White Star, 12 noon.

Ryndam, Holland-America, 10 a. m.

Grenada, Trinidad.

St. Bede, Houston.

March 12.

Franconia, Cunard.

Pennsylvania, Ham.-Amer., 11 a. m.

FROM BALTIMORE, Breslau, North Ger. Lloyd,

2 p. m.

Philadelphia, Red "D," 12 noon.

March 13.

La Lorraine, French.

Zieten, North Ger. Lloyd, 10 a. m.

Hellig Olav, Scand.-American, 2 p. m.

FROM ST. JOHN, Cassandra, Donaldson.

March 14.

FROM ST. JOHN, Victorian, Allan.

FROM PHILADELPHIA, Marquette, Red Star,

10 a. m.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

Memphis, Tenn.

HAISCH'S

Madison and Main Streets

L. D. Phone 726

All orders will be filled carefully and promptly delivered in Memphis and all other Tennessee cities.

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Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Mention the American Florist when writing

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.
Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery
Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40
LONG DISTANCE No. 40

Careful Attention To All Orders.

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

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"Penn, The Telegraph Florist"

Member of Florists' Telegraph
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37-43 BROMFIELD STREET

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St. TELEPHONES
1501 and L 1582

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archbas Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Carbone, Phillip L., Boston.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Diemer Floral Co., St. Louis, Mo.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Haisch's, Memphis, Tenn.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthewson, J. E., Sheboygan, Wis.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McClunie, Geo. G., Hartford, Conn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Ostertag Bros., St. Louis.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pellicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Phillips Bros., Newark, N. J.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Sakkes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Virgin, Uriah J., New Orleans, La.
Walker & Segar, Louisville, Ky.
Wills & Segar, London, England.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfkill Bros. and Morris Goldenson, Los Angeles, Calif.
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Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery
Mention the American Florist when writing



WASHINGTON
D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

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Bertermann Bros. Co.

FLORISTS

241 Massachusetts Avenue.

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Denver, Colo.

The Park Floral Co.

J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

PELICANO, ROSSI & CO.,

123 KEARNY ST.

Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Mention the American Florist when writing

M. A. Rowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE

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McKenna

Cor. St. Catherine and Gny Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

FLOWER COLORS

Use our Color Chart in describing them.

PRICE, \$1.00, POSTPAID.

AMERICAN FLORIST CO.

440 South Dearborn Street, CHICAGO

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

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Chicago—Mangel, 17 E. Monroe St.
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Chicago—Schiller The Florist, 2221 W. Madison.
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Chicago—Wittbold's, 56 E. Randolph.
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Cleveland, O.—The Cleveland Cut Flower Co.
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New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 50th St.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
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Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
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2139-2141 Broadway,

Telephones: 1552-1553 Columbia Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

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O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.

Jefferson and Washington Ave

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on telegraphic order.

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Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

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Will take proper care of your orders in **Wisconsin**

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Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your orders for Designs and Cut Flowers in Michigan

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Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



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FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

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Cleveland, O., and Vicinity.

Bramley & Son
1181 E. 71st St.

The Largest Growers of Flowers in City.
Mention the American Florist when writing

Little Rock, Ark.

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PAUL M. PALEZ, Mgr.
409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

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(Successor to Geo. A. Heint)
336 Superior St., Toledo, O.
Both Phones, 527.

Special attention to Mail and Telegraph Orders

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912 3rd Ave.

Grower, Wholesaler and Retailer.
Careful and prompt attention given to orders for Alaska, Washington and Oregon.

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213 Fifth Ave. No. NASHVILLE, TENN.

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MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

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No. 22 West 59th Street
Adjoining Plaza Hotel

Sedalia, Missouri

Archias Floral Co.
Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

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S. A. Anderson,
440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.
Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND
Successor to Sievers & Boland
FLORIST
60 KEARNEY STREET
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FLORIST
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St. Paul, Minn.

L. L. MAY & CO.
Order Your Flowers for delivery in this section from the
LEADING FLORISTS OF THE NORTHWEST.

PHILIPS BROS, 938 Broad St.
NEWARK N. J.

Artistic Floral Work and Long Stem Beauties Our Specialty.

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187 Main Street
'FLOWERS' Your Orders Solicited
My Only Store. Phone Charter 6535-2

"Our Business is Always Blooming"
Mrs. T. L. Diemer, Miss A. B. Falkenhainer,
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FLORAL DESIGNS for ALL PURPOSES
Cut Flowers, Decorations, Etc.
Phones: Bell, Sidney 142; Kinloch, Central 2457
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Geo. M. Kellogg
Flower & Plant Co.
1122 Grand Ave. Will fill all orders for Cut
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Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

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FLORISTS
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CUT FLOWERS
Delivered for Louisiana, Mississippi, Alabama and Texas.
Wire or mail. Highest Grade Stock Only.
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Washington, D. C.

Blackstone.
14th and H. Street.

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Newark, N. J.

Begerow's
946 Broad Street.
Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.
Mention the American Florist when writing

For Wisconsin Delivery

—OF—
"HOME GROWN FLOWERS"
Get in touch with
J. E. Matthewson
SHEBOYGAN, WISCONSIN
Mention the American Florist when writing

Newark, Ohio.
CHAS. A. DUERR.
Member of Florists' Telegraph Delivery.

Rockford, Ill.

H. W. BUCKBEE.
Member of the Florists' Telegraph Delivery

30,000 Lily Plants IN POTS FOR EASTER



Short Plants from 10 to 15 inches high, 10c per bud.

Plants from 18 to 20 inches high, 12 1-2c per bud.

Plants from 24 to 30 inches high, 15c per bud.

Spirea Gladstone, 5 to 7-inch, 35c. to 75c. each.

Rambler Roses, 50c. to \$1.00 each

Genistas, strong, 5-inch, 50c. each and \$5.00 per doz.

Cyclamen in full bloom to make room, 5 to 7-in., 35c. to 75c. each.

Would advise ordering LILIES Early so they can be shipped in bud formation

DECORATIVE STOCK.

Ficus Pandurata, strong, 6-inch, - - - - - \$3.50 each

Ficus Elastica, strong, 6-inch, - - - - - 75c to \$1.00 each

Dracaena Massangeana, well colored, 6-inch, - - - - - \$1.00 to \$1.75 each

Pandanus Veitchii, highly colored, 5-in., \$1.00 each; 6-in., \$1.50 each; 7-in., \$2.50 each

True Irish Shamrocks. Strong, 2-inch, \$3.00 per 100; \$25.00 per 1000.

Palms.

Kentia Forsteriana and Belmoreana, all sizes from 4 to 12-inch tubs in fine condition. Fine decorative stock ranging in price from 35c to \$15.00 per 1000.

Boston Ferns.

2 1/4-in. pots, \$3.50 per 100; \$30 per 1000 7-in. pots, 75c each; \$7.50 per doz.

3-in. pots, \$6 per 100; \$50 per 1000 8-in. pots, \$1.00 each; \$10 per doz.

6-in. pots, 50c each; \$6.00 per doz. 10-in. pots, \$2.50 ea.; 12-in., \$3.50 ea.

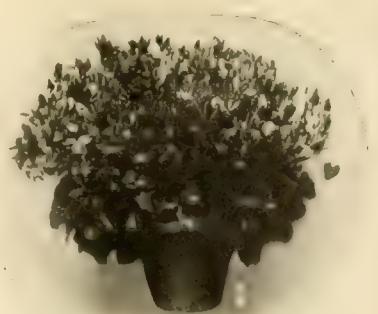
Roosevelt Ferns.

4-inch, 20c each; \$2.00 per doz. 5-inch, 35c each; \$3.50 per doz.

Table Ferns--10 Varieties.

2 1/4-in. pots; \$3.50 per 100; \$30 per 1000

3-in., strong, \$6.00 per 100; \$55.00 per 1000



POEHLMANN BROS CO.

PLANT DEPARTMENT

MORTON GROVE, - ILLINOIS

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

LITCHFIELD, MICH.—Herring Bros.' seed store was destroyed by fire February 15.

MIAMI, FLA.—Capt. B. Landreth and daughter Frances were visitors here March 3, making a tour of the state.

NEW YORK.—J. M. Thorburn & Co. are exceedingly busy and believe the season as a whole will be a successful one.

FLORAL PARK, N. Y.—John Lewis Childs says: "Our catalogue business has been somewhat better during January and February than for the same period last year. All conditions point to a very good season."

RICHMOND, VA.—T. W. Wood & Sons report business, both for January and February, ahead of last year. This, they say, is due to a certain extent to the open weather experienced and the trade outlook here is good.

TOULON, FRANCE, February 10.—The flowering of narcissi is already six weeks late and it is impossible to predict what the harvest will be. The continued absence of rain, however, indicates a considerable shortage in all bulbs.

CHICAGO.—Prices on the Board of Trade March 5 for grass seed were noted as follows: Timothy, \$3 to \$4 per 100 pounds.—There has been a sharp advance in onion set prices, the latest quotations being yellows \$1.60, whites \$1.60, red \$1.40, in carlots.

PRESIDENT FARQUHAR of the Society of American Florists says that buyers are placing light orders with New England manufacturers this season in anticipation of tariff changes, adding that this means small dividends and smaller purchases of bulbs in the fall.

VISITED CHICAGO: W. P. Stubbs, of Wood, Stubbs & Co., Louisville, Ky.; J. K. M. L. Farquhar, of R. & J. Farquhar & Co., Boston, Mass.; A. E. McKenzie, of the A. E. McKenzie Co., Ltd., Brandon, Man.; F. H. Henry, of Henry & Lee, New York; E. M. Parmelee, Sheboygan, Wis.

PHILADELPHIA, PA.—W. Atlee Burpee & Co. report that, "owing to the mild, open winter, retail business in January and early in February ran behind last year. It was surprising, however, to note the very considerable increase in the wholesale charge accounts for the month of January. The last few days mail orders have come in much better and each day is now showing a gain over the corresponding day last year, so we are inclined to think the total volume of business will not show a loss, although of course, prices on several important lines, such as garden peas, are considerably lower than last year."

THE onion supply in the states of Ohio, Michigan, Indiana and New York is said to be greater than can be commercially disposed of at any price, sales now being made at 30 cents to 60 cents per 100 pounds. Besides this, the new Texas crop is coming in from four to five weeks earlier than ever before known. Old timers never saw the market in such a weak condition.

SEEDSMEN should write their representatives in congress today requesting them to use their influence in stopping the bribery of voters by free seeds. Every state legislature should be requested not only to follow South Dakota and Kansas in fighting against the iniquitous traffic but to go further and shut out free seeds and all other free commodities of the spoilsmen in politics.

LOUISVILLE, KY.—Wood, Stubbs & Co. say: "Our business during January up to the present time has been in advance of last year, especially our mail order business. This has been very good indeed. We suppose a great deal of this, however, is on account of the very pleasant weather which we have been having during this month. We anticipate considerable trade over that which we have had in previous years."

ATLANTA, GA.—McMillan Bros. Seed Co., Archie H. McMillan, president and manager, Robt. McMillan, vice-president and L. D. White, secretary and treasurer, is a new seed house here, an offshoot of the A. H. McMillan Co. They are located at 12 South Broad street in an attractive store, well arranged.—The Everett Seed Co. are enlarging their place at Alabama and Forsyth streets.—Otto Katzenstein, the tree seed dealer, is also busy with landscape work.

South Dakota Against Free Seed.

Pierre, S. Dak., February 19.—If the congress of the United States hearkens to the voice of the South Dakota senate the custom of distributing garden seeds will go into disfavor along with other "pork barrel" perquisites. The joint resolution on this subject was introduced by Senator Dailey, a democrat, and received the votes of nearly all the members.—Sioux City Tribune.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited

Montana Seed Laboratory.

Bozeman, Mont.—The bill before the legislature for a seed laboratory at the Montana State College of Agriculture and Mechanic Arts has been indorsed by the Montana Seed Growers' Association. The laboratory would provide equipment for milling and baking tests, for a test of the germinating qualities of seeds and for the study of the weed seed content of samples of Montana grains.

Canadian Seed Growers' Association.

The programme for the ninth annual convention of the Canadian Seed Growers' Association, held at Ottawa, Ont., March 6-7, included the following important papers: "Thickness of seeding in cereal grains," by Prof. C. A. Zavitz, Guelph, Ont.; "Statistics on the Production, Selection and Cleaning of Seed on Canadian Farms," by C. F. Nunnick, Ottawa, Ont.; "Results of two years' work in testing Field Root Seeds of Commerce to prove genuineness of stock," by E. D. Eddy, Ottawa, Ont.; "Methods of improving the Seed supply of Field Roots and Vegetable crops in Canada," by G. H. Clark, Ottawa, Ont.; "The Production of Garden Vegetable Seeds in Canada," by W. T. Macoun, Ottawa, Ont.

BOISE, IDAHO.—J. N. McPherson, state inspector of horticulture, has returned from California, where he conferred with the state authorities relative to the lifting of the quarantine against Idaho alfalfa. He believes the ban will be lifted in the near future.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

BRASLAN SEED GROWERS COMPANY, INC.

ONION, LETTUCE, CARROT and RADISH SEED

San Jose, California

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers
SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS



Japanese Climbing Cucumber.

Grown under irrigation by

Western Seed & Irrigation Co.Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.**Fremont, - Nebraska***Mention the American Florist when writing***R. & M. GODINEAU,
SEED GROWERS,****Angers - France.**Specialties: Beets, Mangoes, Carrots, Cabbages,
Celeries, Parsleys, Parsnips, Turnips.

Growing Crops Given Personal Attention.

*Mention the American Florist when writing***CONTRACT SEED GROWERS**Pepper, Asparagus, Tomato, Musk and
Water Melon. For sale: Asparagus,
Horse Radish and Rhubarb Roots.
Correspondence Solicited.**J. E. Hoopes & Co.**

P. O. Box 38 MUSCATINE, IA.

*Mention the American Florist when writing***Contract Seed Grower**SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.

Correspondence Solicited.

*Mention the American Florist when writing***TOMATO SEED**

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.*Mention the American Florist when writing*

Lawn Grass

BULK**CASES**

OUR STANDARD MIXTURES,

Dickinson**Greensward****Evergreen****Pine Tree**are high grade and should meet all general requirements.
Special mixtures furnished if desired. We also carry a
full line of fancy domestic and imported grasses.

The Albert Dickinson Co.

Minneapolis, Minn.**Chicago, Ill.****BEANS, PEAS, RADISH**
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS**GROWERS FOR THE TRADE**
Write for Prices.*Mention the American Florist when writing*

RATEKIN'S SEED CORN

OLDEST ESTABLISHED AND LARGEST WHOLESALE AND CONTRACT SEED CORN
GROWERS IN THE UNITED STATES: Have made this our specialty for over thirty years. We
grow all the leading standard, best varieties of field Dent, Flint, and Sweet sugar corn, for the
Wholesale Trade. Write or wire us for prices and quotations for immediate or future shipments,
also for contract growing prices for 1914 delivery: stating probable quantities of different varie-
ties, etc., etc.**RATEKIN'S SEED HOUSE, Shenandoah, Iowa***Mention the American Florist when writing*

LAWN GRASS SEED

WHOLESALE ONLY

J. OLIVER JOHNSON

1874-76 Milwaukee Avenue

CHICAGO, ILL.*Mention the American Florist when writing*

PERENNIAL RYE GRASS SEED

Fall Importation. \$3.75 per 100 lb. bag, f. o. b.

AVENUE FLORAL CO.,

3442 St. Charles Ave.

NEW ORLEANS, LA.*Mention the American Florist when writing***Onion Seeds--Onion Sets** We are Extensive Growers and Dealers
Write for prices on the 1912 crop.We are also submitting contract figures
for the 1913 crop of Onion Seed.**SCHILDER BROS., Chillicothe, O.***Mention the American Florist when writing*

TO THE TRADE.

WARNAAR & CO., - - SASSENHEIM, HOLLAND

Growers and Exporters of Hyacinths, Narcissi, Tulips, Gladioli, Spireas, Dahlias, Etc.

NOVELTIES FOR 1913.

NEW SPIREAS.
America. Fine foliage and elegant lilac rose flowers, a perfect new color.
Avananche. A pure white one, of great merit.
Queen Alexandra Improved. A deeper and better pink than the common variety. Extra for cold storage.
Philadelphia. Lavender pink. Unique color.

NEW DAHLIAS.
Our Mr. Hornsveid is the originator of the Pæonia Dahlia. Our varieties **Geisha**, **Bertha von Suttner**, **Germania**, **Lovink**, **Duke Henry**, **Dr. Peary**, etc., have already a world-wide reputation and are money makers for every buyer.

MRS. J. C. VAUGHAN, a new yellow decorative dahlia of rare beauty, will be distributed in 1914. We received twenty first-class certificates and awards for new dahlias in 1912. Descriptive catalogue and prices on application. Early ordering will avoid disappointment to buyer and seller.
SPRING DELIVERY. On hand—Glad. America, Bar. Hulot, Princeps, Halley and all the newer varieties. Dahlia **Princess Juliana**. Bulbs in all sizes and bulblets.

Please address letters until May 1st, 1913, to WARNAAR & CO., care of MESSRS. J. W. HAMPTON, JR. & CO., 17 Battery Place, New York City.

FRANZEN'S SEEDS

Sure To Grow

	Per Oz.
Aster, Ostrich Plume, improved giant....	1.25
Aster, Victoria, mixed.....	1.25
Aster, Vick's American, branching, mixed....	.90
Aster, Queen of the Market, all colors, finest strain	.50
Balsam, mixed	.90
Ten-Week Stock, very double, mixture....	1.00
Zinnia Elegans, double, finest mixed.....	.40
Ageratum Mexicanum, blue	.60
Sweet Alyssum, Little Gem.....	.30
Antirrhinum, snapdragon	.75
Bellis Perennis, double mixed.....	1.30
Calendula	.85
Campanula (Canterbury Bells), single or double	.85
Candytuft, Iberis, white, large flowered....	.30
Castor Bean	.15
Centaurea Candidissima (Dusty Miller).....	1.50
Cockscomb, mixed	2.00
Cosmos, mixed	.15
Cobaea Scandens, blue	1.00
Cyclamen Papilio, red, rosy, white per 1000 seeds, \$3.50	
Cyclamen Roccoco, true, new, large fringe, per 1000 seeds, \$8.00	
Dianthus Elite, mixture of all sorts.....	.30
Digitalis, Foxglove, fine mixture.....	.30
Forget-me-not, Myosotis Alpestris, blue....	.50
Gaillardia Lorenziana, double mixed.....	.25
Gladiola America 2-in. Bulbs \$2.50 per 100	
Heliotrope, all in splendid mixture.....	2.00
Hollyhock, Althaea Rosea, fine double mixed	.65
Ipomoea, Moonvine	1.00
Kochia Trichophylla	1.00
Larkspur, dwarf, double hyacinth flowered, mixed	.20
Lobelia Emperor William, blue, splendid..	.75
Lupinus, tall varieties, mixed.....	.25
Marigold, African, double mixed.....	.25
Marvel of Peru (Four O'Clock), mixed, lb., 50c	.10
Matricaria Capensis, Feverfew	.25
Mignonette, sweet, R. Odorata.....	.25
Morning Glory, fine mixed, per lb., \$1.00..	.10
Musa Ensete	.50
Nasturtiums, tall, in superb first quality, lb., 50c	.10
Nasturtiums, dwarf Tom Thumb, extra mixture, per lb., 75c	.10
Pansy, large, finest mixture.....	.75
Pansy, Franzen's extra fine mixture, a careful selection of really fine shades....	1.25
Pansy, Franzen's great giant, unrivaled, in splendid mixture	4.40
Pansy, Regina, giant Triumph, attaining 3 to 4 in. in diameter, the perfect florists' pansy, in rich mixture	13.00
Petunia Hybrida, good mixed	.55
Petunia Hybrida, superline mixed.....	.75
Phlox Drummondii, gr. fl., in mixture.....	.55
Poppy, Danebrog, scarlet, white spotted, also fine mixture	.15
Portulaca, finest, fringed, mixed.....	.25
Primula Chinensis, fringed varieties, trade pkt., 50c	
Primula Obconica, gr. fl., best mixture, trade pkt., 50c	
Salvia Splendens, Scarlet Sage, extra, select	2.40
Salvia Zurich, trade pkt., 50c	
Sweet William, single, mixed.....	.30
Sweet William, double, mixed.....	.55
Verbena Hybrida, mixed	.55
Wallflower, German, double, ½ dwarf, finest mixture	1.25
Seed packages, neatly put up, all sorts flower and vegetable, to retail at 5c; Per 100, \$2.00; per 1000, \$18.00.. Sample free. ¼ oz. at oz. rate.	

F. O. FRANZEN,
1476 Summerdale Ave., CHICAGO

GLADIOLI

VARIETIES

PER THOUSAND

	1½ up	1¼ 1½	1-1¼	¾-1	½-¾	under ½
America. Light Pink.....	25 00	20 00	15 00	14 00	12 00	10 00
Mrs. Francis King. Flame Pink.....	18 00	13 00	10 00	9 00	8 00	7 00
Augusta. White; Lavender anthers.....	Sold	13 00	10 00	9 00	7 00	6 00
Beauty. "Beauty" rose color.....	60 00	50 00	40 00	35 00	30 00	25 00
New America. White, striped pink.....	50 00	40 00	35 00	30 00	25 00	20 00
Cardinal. Cardinal color.....	20 00	14 00	12 00	10 00	9 00	8 00
Whites and Lights. All light colors.....	16 00	12 00	9 00	8 00	7 00	6 00
Lucy. Good red.....	16 00	12 00	9 00	8 00	7 00	6 00
Prize Mixture. Over 100 varieties.....	9 00	7 00	6 00	5 50	5 00	4 50
Lily Coe. Best dark Pink.....	50 00	40 00	30 00			
Sara. White blotched maroon.....	60 00	50 00	40 00			
William Mason. Fine red.....	40 00	30 00	25 00			

Orders for 250, or more, at 1000 rate. Less 10% for cash in 30 days.

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Gladiolus Specialists

Madison, Wisconsin

VICK Quality VICK

Aster Seed

Aster Book Now Ready

Indispensable for Commercial Growers

Send for copy today

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ROCHESTER, N. Y.

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THE C. HERBERT COY SEED CO.
VALLEY, Douglas County, Neb.

Contract Growers of
High Grade Seeds
Cucumber, Muskmelon, Squash and Pumpkin.
Sweet, Flint and Dent Seed Corn
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SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, New York

ROSES, CARNATIONS,

PLANTS, SEED, BULBS.

Send us your wants. We will take care of them.
We supply stock at market price. Catalogue for the asking.

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Seed Merchants to His Majesty the King of Italy
SAN GIOVANNI A TEDUCCIO, near Naples

Established 1877.

Headquarters for **CAULIFLOWER** and **WHITE TRIPOLI ONION SEED**, (Crystal Wax), and all other **VEGETABLE** and **FLOWER SEEDS**
THE LARGEST GROWERS IN ITALY.

Ask for Catalogue and Special Offers.

— FOR —

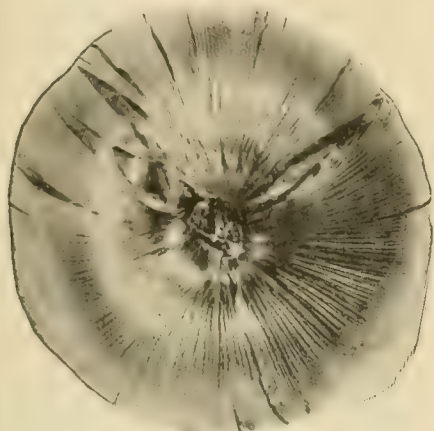
SEEDS

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited
Boston, England

We are Growers of

Gladiolus Bulbs



MRS. FRANCIS KING.

Besides the following standard kinds, most of which we can offer in two sizes (both flowering), we carry nearly all standard kinds and many fancy imported novelties secured by our Mr. Carl Cropp in Europe:

	Per 1000
Mrs. Francis King , Medium Size.....	15.00
Augusta , First Size	16.00
“ Medium Size.....	13.00
America , First Size (3,000 for \$70.00)	25.00
“ Medium Size, while unsold.....	20.00
Kunderdi Glory , First Size	40.00
Chicago White , the one best early	50.00

Florists, Seedsmen and amateurs who are interested in **Gladiolus**, either for counter trade, for outdoor planting, or for the home garden, should correspond with us and secure our lists and prices **before placing orders** for this stock.

Of several leading kinds we can supply planting stock, white bulbs under one inch and small black bulblets by the bushel.

1913 Prices on All Leading Kinds Are Ready.
Special Lists of Novelties can be made up on request.

Tuberoses

True Dwarf Pearl.

	Per 1000
First Size, 4-6-inch.....	\$ 9.00
Medium, 3-4-inch.....	5.00

CALADIUMS

(Esculentum)

5 to 7-inch.....	\$15.00
7 to 9-inch.....	30.00
9 to 11-inch.....	55.00

Tuberous Rooted Begonias

	Per Doz.	100	1000
Single Sorts, white, scarlet, yellow, pink.....	\$.40	\$2.50	\$22.00
Single Sorts, mixed.....	.35	2.25	20.00
Double Sorts, white, scarlet, yellow, pink.....	.65	4.50	40.00
Double Sorts, mixed.....	.60	4.00	37.50

Gloxinias

Grassifolia Grandiflora

All the spotted and Tigered variations in sound bulbs. Doz.	100	1000
Separate colors.....	\$.60	\$3.50 \$30.00
Choice mixture.....	.50	3.20 28.00

Lily Bulbs

	Per 100
Album, 8-9 inch.....	\$ 9.00
Album, 9-11 inch.....	12.50
Auratum, 9-11 inch.....	10.00
Rubrum, 8-9 inch.....	6.00
Rubrum, 9-11 inch.....	9.00

Spiraea Clumps

	Per 100
Gladstone.....	\$ 7.00
Floribunda.....	6.00
Japonica.....	5.00



VAUGHAN'S SEED STORE

CHICAGO
NEW YORK

Tuberose

DWARF DOUBLE PEARL

\$12.00 per 1000

Excellent Quality.

Lily of the Valley Pips

Cold Storage Berlin and Hamburg.

Per case of 1,000.....\$12.00

Per case of 3,000.....\$32.00

Write for a copy of our Florists' catalog.

J.M. Thorburn & Co

"THE MOST RELIABLE SEEDS."

33 Barclay St. (T12) New York, N. Y.

GLADIOLI

BULBS FOR GROWING ON. 1000

AMERICA, 4th size.....\$10.00

5th size.....7.50

6th size.....5.00

Under 3/8th-inch.....4.00

MRS. FRANCIS KING, 3rd size.....10.00

4th size.....8.00

5th size.....6.00

6th size.....4.00

COLUMBIA, 1st size.....12.00

2nd size.....10.00

3rd size.....8.00

4th size.....6.00

5th size.....4.00

Prices net cash with order.

RALSTON S. JONES,

Glenwood Nurseries, Holland, Mich.

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Certificated Gladioli Trade List

FROM

G. Zeestraten & Sons

Oegstgeest, Holland

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPENTERIA, CALIF.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,

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Best that grow. We sell direct to gardeners and florists at wholesale. Big, beautiful catalogue free. Write today.

ARCHIAS SEED STORE, Box 98, Sedalia, Mo.

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SPRING-FLOWERING BULBS

BEGONIAS

	Doz.	100
Single, Separate colors.....	\$0.40	\$2.50
Double, separate colors.....	.60	4.00

CALADIUMS

With live center shoot

	Doz.	100
5- 7 inch.....	\$0.30	\$1.80
7- 9 inch.....	.50	3.50
9-11 inch.....	.85	6.00

GLADIOLI

First size bulbs

	100	1000
America, pink.....	\$3.00	\$25.00
Augusta, white.....	2.00	18.00
Francis King, scarlet.....	2.00	18.00

Light and White florists' mixture.....	1.75	15.00
--	------	-------

CANNAS

Two to three-eye roots

	100	1000
Austria.....	\$2.00	\$18.00
Buttercup.....	3.00	
Chas. Henderson.....	2.00	18.00
David Harum.....	2.50	20.00
Florence Vaughan.....	2.00	18.00
King Humbert.....	6.00	50.00
Milwaukee.....	2.00	18.00
Mme. Crozy.....	2.50	20.00
Queen Charlotte.....	2.50	20.00
Richard Wallace.....	2.50	20.00

TUBEROSES

Dwarf Pearl

	100	1000
First Size.....	\$1.00	\$9.00
Second size.....	.60	5.00

A. HENDERSON & CO., 352 N. Michigan Avenue, CHICAGO

CALADIUMS

Descriptive Catalogue containing latest novelties on application to

C. L. KLISSING SON, Barth, Germany

Largest Grower of Caladiums in Europe

Forcing Spiraea Clumps, Gladiolus, Etc.

	Per 100		Per 100
Spiraea Gladstone.....	\$5.50	Spiraea Superba.....	\$ 4.00
Spiraea Florabunda.....	4.00	Spiraea Queen Alexandra.....	7.00

GLADIOLUS FORCING STOCK.

America. First Size.....	3.00 per 100, 25.00 per 1000
Medium Size.....	2.50 per 100, 20.00 per 1000
Mrs. Francis King.....	2.00 per 100, 18.00 per 1000

The Storrs & Harrison Co.,
Painesville, Ohio.

Mention the American Florist when writing

10,000 Pink Enchantress Cuttings

FROM SOIL.

\$25.00 per 1,000.

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SEED GROWERS

Dealers in Garden, Field and Flower Seeds
Specialties, Potatoes, Onion Sets, Garden and
Flower Seeds. Contract Taken

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82 & 84 Dey St. NEW YORK



H. WREDE

LUNEBURG, GERMANY

PANSY SEED

180 First Prizes, the highest awards Chicago, Paris, London, Bruxelles.

1000 seeds, finest mixed...25c
1 oz.\$2.25

Price list on application.

Cash with order

The "Spencer" Type of Sweet Peas

Burpee's Unequaled List for 1913.—Arranged Alphabetically. Choicest Re-selected Stocks Grown on "Floradale Farm."



Spencer Sweet Peas are a great Specialty with us! We were the first to grow the seed in America—the stock having been entrusted to us before introduction, even in England, of the original **Countess Spencer**. We have grown "the original Beauty" and its many "sportive" children with painstaking care each season since. There are but few other growers, either in England or America,—who can supply an equal assortment of the True RE-SELECTED "SPENCERS" that are uniformly of such choice quality. Seedsmen and planters generally can see how superior our stocks now are by trials at FORDHOOK FARMS next June or July, while those who may be in California are invited also to inspect the growing crops at our FLORADALE FARM in the beautiful Lompoc Valley. Every planter's

garden, however, is really a trial ground and we shall be quite content if any "Doubting Thomas" will send us only a portion of his order and note the difference in character of flowers produced!

	Per pkt	Per doz	Per 1/2 lb	Per lb
3402 Afterglow. Per pkt. of eight seeds, 15 cts.	\$0 25			
3406 America Spencer. Red flakes on white ground.	10	\$0 30	\$0 85	\$3 00
3408 Apple Blossom Spencer (Burpee's). Rose and pink.	10	30	85	3 00
3410 Arthur Green. Maroon shaded violet.	10			
3412 Asta Ohn. A charming soft lavender.	10	40	1 50	
3414 Aurora Spencer (Burpee's). Cream mottled orange.	10	25	75	2 50
3416 Barbara. A large salmon self.	10			
3418 Beatrice Spencer. White ground, tinted pink and buff.	10	20	60	2 25
3422 Blanche Perry Spencer. Rose standard, white wings.	10	40	1 50	
3428 Captivation Spencer (Burpee's). Rosy wine red.	10	35		
3430 Charles Foster. Combination of pastel shades.	15			
3432 Charm (Burpee's). Per pkt. of twenty seeds, 15 cts.	25			
3434 Constance Oliver. Delicate pink, suffused cream.	10	30	35	3 00
3438 Countess Spencer. A soft rose-pink.	10	20	60	2 25
3440 Dainty Spencer (Burpee's). White, edged with rose.	10	30	85	3 00
3442 Decorator (Burpee's). Per pkt. of ten seeds, 15 cts.	25			
3443 Duplex Crimson King. Scarlet self. (See pages 126 and 128).	10	50		
3444 Duplex Spencer. Beautiful cream-pink. (See page 125).	15	65		
3445 Duplex Mary Garden. Buff-pink. (See pages 126 and 128).	10	50		
3446 Earl Spencer. Brilliant salmon-orange.	15			
3450 Elfrida Pearson. Light pink. Pkt. (twenty seeds), 15 cts.	25			
3454 Ethel Roosevelt (Burpee's). Pink flakings on cream ground.	10	35	1 00	3 50
3458 Flora Norton Spencer. A beautiful shade of lavender.	10	40	1 50	
3460 Florence Morse Spencer. Beautiful light pink.	10	30	85	3 00
3462 Florence Nightingale (Burpee's). Best lavender Spencer.	10	40	1 50	
3470 Gaiety Spencer. White striped with rose-crimson.	10	40	1 50	
3472 George Herbert. Bright rosy-carmine.	10	20	60	2 25
3476 Gladys Burt. Salmon-pink on primrose ground.	10	35	1 00	3 75
3480 Helen Lewis. Standard orange; wings orange-rose.	10	30	85	3 50
3482 Helen Pierce Spencer. White mottled blue.	15			
3486 Irish Belle, or "Dream" (Burpee's). Lilac flushed pink.	15	65		
3487 Isobel Malcolm. A beautiful cream color.	10	45		
3488 King Edward Spencer (Burpee's). Carmine-scarlet.	10	25	75	2 50
3500 Margaret Madison. A beautiful clear azure-blue.	15			
3502 Marie Corelli (Burpee's). Brilliant rose-carmine.	10	65	2 25	
3506 Martha Washington. White suffused light rose.	10	25	75	2 75
3510 May Campbell. Per pkt. of eight seeds, 15 cts.	25			
3511 Melba. A salmon self.	10			
3514 Mercia. Buff-pink on cream ground.	10			
3516 Mrs. A. Ireland. Buff ground suffused rose.	10	30	85	3 00
3518 Mrs. Cuthbertson. Standard rose, wings pale rose.	10			
3520 Mrs. C. W. Breadmore. Buff ground, edged with pink.	10	25	75	2 50
3522 Mrs. Heslington. Lavender, lightly flushed rose pink.	10			
3524 Mrs. Hugh Dickson. Pink-apricot on cream ground.	10	30	85	3 25
3528 Mrs. Rutzahn (Burpee's). An apricot pink.	10	35	1 00	3 75
3530 Mrs. Townsend. White with picotee edge of blue.	10			
3532 Mrs. W. J. Unwin. White flaked with orange-scarlet.	10	65		
3534 Nubian. Beautiful maroon.	10	65		
3539 Orchid (Burpee's). Per pkt. of six seeds, 15 cts.	25			
3542 Othello Spencer (Burpee's). Rich deep maroon.	10	30	85	3 00
3543 Pearl Gray Spencer. Dove gray suffused rose.	15			
3545 Primrose Spencer (Burpee's). Crop very short.	10	40	1 35	5 00
3551 Purple Prince Spencer (Burpee's).	10	30	85	3 00
3554 Queen Victoria Spencer (Burpee's). A rosy primrose.	10	40	1 10	4 00
3561 Rainbow Spencer. Ivory white streaked with rose.	15			
3570 Scarlet Emperor. A dark shade of scarlet.	15			
3571 Scarlet Empress. A beautiful scarlet.	10	65	2 25	
3572 Senator Spencer (Burpee's). Heliotrope striped with claret.	10	30	85	3 00
3575 Stirling Stent. Per pkt. of fifteen seeds, 15 cts.	25			
3579 Tennant Spencer. Spencer form of Dorothy Tennant.	10	50	1 75	
3581 Thomas Stevenson. Orange-scarlet.	15	65		
3587 Vermillion Brilliant (Burpee's). Per 1/2 oz., 60 cts.	15	1 00		
3590 White Spencer (Burpee's). The best white.	10	40	1 10	4 00
3593 W. T. Hutchins (Burpee's). Light apricot pink.	10	35	1 00	3 50
3598 Burpee's Special Mixture of Re-selected Superb "Spencer" Sweet Peas for 1912	10	20	60	2 00
3599 The New "Burpee-Blend" for 1913.	10	25	75	2 50

Burpee's Blue List for 1913.

THE most complete catalog published for MARKET GARDENERS, TRUCKERS and FLORISTS. For the planter who "knows" it contains complete lists of all that is best in vegetables and flowers, while the grower who is uncertain as to the best varieties suited for his purpose may be guided by the bull's-eye placed after what is known to be best. In addition full descriptions are given many new and most valuable varieties.

BURPEE'S BLUE LIST FOR 1913 contains 148 pages with hundreds of half-tone and engraved illustrations. Within the pages of this catalog we have condensed an experience of thirty-five years both in handling and the actual growing of seeds.

If you garden for profit (that is, sell your products in the market) you are entitled to a copy of this complete and easily understood catalog, but if you are a private planter please do not ask for a copy, as we must protect the Market Gardener, Trucker and Florist.

W. ATLEE BURPEE & CO.,

"Seeds That Grow."

PHILADELPHIA, PA.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

Prices of Indoor Fruits and and Vegetables.

Chicago, March 3.—Mushrooms, 25 cents to 65 cents per pound; lettuce, 15 cents to 17½ cents, small cases; radishes, 10 cents to 40 cents per dozen bunches; pieplant, 25 cents to 40 cents per bunch; cucumbers, \$1.50 to \$2.25 per box of two dozen; asparagus, \$2 to \$2.25 for 24 bunches.

New York, March 1.—Cucumbers, \$1.25 to \$1.75 per doz., and \$4 to \$6 per box; mushrooms, 80 cents to \$2 per 4-pound basket; tomatoes, 10 cents to 20 cents per pound; radishes, \$1.50 to \$2.50 per 100 bunches; mint, 75 cents to \$1 per dozen bunches; rhubarb, 20 cents to 50 cents per dozen bunches; lettuce, 10 cents to 40 cents per dozen; beet tops, 60 cents to 75 cents per box.

Tomato Plants.

With the increased interest shown on all sides in all gardening operations there is a correspondingly widening field for the plant grower. Amateur gardeners prefer to buy plants much rather than to grow them and this tendency can be turned to profit by the florist and market gardener. This is especially true in regard to tomato plants. There are thousands of people who plant tomatoes only—nothing else. They have learned the value of ripe tomatoes in their back yard and to get these a little expense is no consideration.

This class of buyers is eager for earliness. They are willing to run a risk and the first warm day in the spring brings calls for tomato plants, although it may be a month too early for the professional gardener. These city people can cover a dozen or two of plants and even if they should lose them the damage is small. We have in some backward seasons sold to the same parties three times. There is no use to argue with them—if we don't furnish the plants someone else will. And many city lots are so protected that early planting is possible. Therefore the plant grower should aim to get the early trade, as it is the most profitable.

We have before in these columns called attention to berry boxes as a fine receptacle for plants. These quart baskets or boxes are easily obtained, are cheap, clean and satisfactory to the buyer. They contain all the earth and all the roots and if the purchaser is unable to plant at once he can hold the plants a few days to suit his case.

To put up nice box plants we must use rich earth. A good part of spent hot bed manure is excellent. Use water sparingly to get firm plants and avoid chills on cold nights. We screen the earth, and set a greenhouse bench or hot bed full of empty boxes, then fill with a scoop shovel and level off. The seedlings are dibbled in evenly to present a nice basket. We use six plants in some and 12 in others to suit different people. The seedlings should have a nice character leaf and be sturdy; such will develop into nice stock in from three to four weeks; more than that is risky as the plants get yellow if held too long.

The three best varieties of tomatoes are Detroit, Beauty and Ponderosa.

People want a purple tomato of excellent quality for table use. While the dwarfs, such as Dwarf Champion and Dwarf Stone make excellent plants, they are not desirable from a fruiting standpoint. We make shallow crates to hold six baskets and market in this shape for convenient handling.

Among our customers is a large department store. They sell them on small commission. Being centrally located, on all car lines, and open all day, they are excellent distributors and the arrangement has proved a success for all parties—the seller, buyer and distributor. Often when the weather is favorable we are unable to deliver them fast enough. Each basket receives a paper label neatly printed so that each buyer is sure to get what is wanted. We allow six weeks from date of sowing to date of sale and sow several lots a week apart for succession.

MARKETMAN.

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman Compacts (new) to take the place of Whitman. A better commercial fern; 2½-in.. \$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON. Whitman, Mass.

Boston Ferns

2000 2½-in. extra fine stock, all pot grown at **\$30.00** per 1000.

This is unusually good stock and ready for shipment. Cash with order.

J. BOMBENGER

6427-35 Woodlawn Ave., Chicago, Ill.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

Mention the American Florist when writing

BULBS! BULBS! BULBS!

Send for 1912 Catalog, and get your Bulbs direct from grower (not merchant.)

Sole organizer of the magnificent Exhibition of Flowering Bulbs at the Dutch Village, Ideal Home Exhibition, Olympia, London 1912.

Grower of the Begonias, Hyacinths, Tulips, Narcissus etc., for the Gardens of the International Peace Palace at the Hague.

M. J. GULDEMOND,

Wholesale Bulb Grower and Exporter Lisse, Holland.

Mention the American Florist when writing

GLADIOLUS

75,000 Second Size

Fine quality stock of our best fancy mixture, \$6.50 per 1000; \$6.00 per 1000 in 5 or 10 thousand lots. This is our best mixture.

The flowers of these have always taken 1st prize at every place shown.

No. 451. Fair Maid. This is one of the finest varieties ever offered, light lavender, broad open flower, fine straight spike, at \$10.00 per 100.

Gladioli Specialty Ass'n., HAMPTON, VA.

Mention the American Florist when writing

GET THE BEST IN ALL CREATION

THIS IS WHAT YOU GET WHEN BUYING

GERANIUM SCARLET BEDDER

Buy early and increase your stock for Decoration Day, as well as for your summer bedding trade, we feel confident that there is not another SCARLET GERANIUM that can surpass this in freedom of bloom, healthy and strong compact growth. This is not only our verdict, but from many who have grown this, as you will see by a few of the testimonials in our 1913 catalogue, which is yours for the asking.

Price: \$1.50 per 10; \$12.50 per 100; \$100.00 per 1000.

Sold only by the originator and disseminator.

ELMER D. SMITH & CO., Adrian, Mich.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.



The Herald

ROOTED CUTTINGS
READY NOW

\$12.00 per 100: \$100
per 1000.

Read what a satisfied customer
says of our Wonderful New
Scarlet Carnation. It is with-
out question the Best Scarlet
today and the one variety you
should grow.

FURROW & COMPANY,
WHOLESALE AND RETAIL
FLORISTS
GUTHRIE, OKLAHOMA

Feb. 16, 1913.

Chicago Carnation Company,

Chicago, Ill.

Gentlemen:-

We are enclosing two photographs of the vase of
carnation HERALD. This lot left Chicago on Jan. 31st,
arrived in Guthrie the morning of February 2nd, and the
photograph was taken the afternoon of the 4th.

Yours very truly,

Furrow & Company

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

WYOMISSING, PA.—Bertrand H. Farr has just acquired 70 acres additional for nursery purposes within 10 minutes' walk of his present propagating plant.

BOSKOOP, HOLLAND—The firm of Van Balen & Co. has been merged with that of Felix & Dykhuis. J. Dykhuis will now devote all his time to the American trade, Alb. van Balen to the European trade, while B. B. C. Felix will give his attention to the nursery work.

Meneray Nursery Ordered Sold.

The nursery owned by F. W. Meneray, Council Bluffs, Ia., and which has been in the hands of a receiver for several months, has been ordered sold to satisfy a judgment of nearly \$60,000 against the company in favor of the First National Bank of that city. The judgment is based on promissory notes given by the nursery company for loans made by the bank from December 27, 1911, to August 15, 1912. The stock and real estate will be sold as a unit. The property includes 46 city lots on which the offices and a part of the nursery are located, nearly 50 acres of growing stock and 500,000 apple grafts being grown on contract by a Missouri firm.

Reed Wins Nursery Suit.

As a result of a decision of a jury in the United States circuit court, state inspectors who are in the habit of condemning nursery stock on the ground of alleged communicable disease will hereafter in all probability be sure of their grounds before taking drastic action. The case in question was that of W. C. Reed, owner of the Vincennes Nurseries, Vincennes, Ind., against F. L. Rounsevell, formerly deputy state entomologist of Colorado. The suit was brought in Denver and the plaintiff was awarded damages in the sum of \$152.

Mr. Reed charged that the inspector had willfully destroyed approximately 10,000 apple trees shipped to Arapahoe county. Mr. Rounsevell alleged that they were affected with crown gall and other dangerous diseases. The suit was filed nearly three years ago. The American Association of Nurserymen and the Western Association of Nurserymen took an interest in the case and helped to push it to a successful conclusion.

Nurserymen generally have awaited the outcome with a great deal of anxiety as it was felt that if Mr. Reed lost his case inspectors might condemn trees at will and entail a loss of thousands of dollars. The suit was for \$6,500, but the verdict and not the amount of damages was the principal thing at stake. Judge Lewis in instructing the jury, stated that the plaintiff's witnesses had given evidence to prove that root knot on the apple was not a disease and was neither injurious nor contagious. If the jury found this to be the case it should find for Mr. Reed. The jury was out two days before reaching a decision.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists. RUTHERFORD, N. J.

ENGLISH MANETTI STOCKS.

A bargain, to close out surplus quick. Well rooted, carefully regraded and everything under-sized or not up to strictly first quality discarded. It pays to buy regraded repacked stocks. We offer 5/8 m-m grade at \$12.00 per single thousand; five thousand or more at \$10.00 per thousand. 3-5 m-m grade \$8.00 per thousand; \$65.00 per ten thousand, to clean them up quick. Orders can be filled the same day we get them. Wire and say whether to ship by freight or express.

JACKSON & PERKINS CO.,

Newark, New York

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,
P. O. Berlin N. J. Williamstown Junc., N. J.

KENTIAS.

Joseph Heacock Co.,
Wyncote, Pa.

See Price List of Last Week

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Catalpa Bungei

Specimen trees with wide spreading tops
2 to 4 years and straight 7 ft. stems, 2 to 3-inch caliper.

Get our prices on all kinds of shade trees.
W. B. COLE, Avenue Nurseries,
Painesville, - - - Ohio.

ROOTED CUTTINGS.

	Per 100.	Per 1000
Verbenas.....	\$0.70	\$ 6.00
Ageratums.....	.60	5.00
Heliotrope, Daisies, Salvias..	1.00	8.00
Feverfew, Petunias.....	1.25	10.00
Coleus.....	.70	6.00
Alyssum, Double.....	1.00	8.00
Cash with orders. Express Paid. Write		

S. D. Brant, Clay Center, Kans.

Sphagnum MOSS

BURLAPPED

Fresh clean moss
from new marsh,
full sized bales.

Vaughan's Seed Store,
Chicago. New York.

Mention the American Florist when writing

GERANIUMS

Per 100-
S. A. Nutt, and four other varieties, 3-in. pot, \$4.00
" " " " " " 2 1/2-in. " 3.00
Coleus, 10 varieties 2 1/4-in. pots..... 2.00
Asparagus Plumosus and Sprengeri..... 2.00
Alternanthera red and yellow rooted cuttings .50
Canna C. Henderson, dry bulbs..... \$2.00

CASH

JOSEPH H. CUNNINGHAM, Delaware, Ohio

Osmundine

(Osmunda Fibre or Orchid Peat.)

BROWNELL'S SUPERIOR QUALITY.

Used the World Over

Price List and Samples on Request

The C. W. Brownell Company
Walden, N. Y.

Mention the American Florist when writing

TAKE THE HINT.

The successful man in business keeps cool. Don't cry, don't worry about hard times, don't lose your head. Just keep calm and think of your old friend in Philadelphia. His name, Godfrey Aschmann, is not forgotten and is a name in the mind of every florist who dealt with him last Easter. He is more active than ever. He will take care of you this Easter, 1913. His big stock of fine plants and his low prices will pull you through at all times.

Therefore Prepare for Easter

And Come Direct to the Factory. A Great Factory of Live Stock That Never Ceases.

Twenty-five years' experience in shipping Easter plants—well-known, popular from Atlantic to Pacific Oceans. Our shipments of Easter plants reach every city and state of the United States, Mexico, Canada, and as far as Cuba.



Specialist in the growing of Lilies. 35 years experience.

ONE OF GODFREY ASCHMANN'S LILIUM MULTIFLORUM HOUSES.

No argument needed speaks for itself. The real stuff; the cream of Japan's production. The True Variety of the Liliun Multiflorum, raised from 9 to 10 selected bulbs, at \$95 a 1000, direct from Japan. Look at the picture! Just right for Easter.

Azalea Indica.

Is another specialty of ours, inspected personally by myself on my yearly trip to Europe at our grower's establishment in Belgium, who is a specialist in cultivating Azaleas over there. Only the best American sorts are raised and imported for me.

What is the name of the Best Pink Azalea? Mme. Van der Cruyssen is the name.

Originated by the well-known Azalea specialist, Mr. Van der Cruyssen, of Ghent, Belgium. Millions are raised every year of this so world-wide known popular pink Azalea and are shipped out to every portion of the globe from Belgium. We are well provided and have a big stock of this so well favored variety in America, the Mme. Van der Cruyssen; covered with buds and flowers, ready for Easter trade; well shaped, round as an apple; in all sizes, 6-7-8-in. pots, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50 to \$3.00. On account of scarcity in Belgium of this variety, we were only able to obtain a limited quantity of the smaller sizes; therefore bigger sizes must accompany the order for Van der Cruyssen. Have 3000 Van der Cruyssen. Simon Mardner, double pink, 50c, 60c, 75c, \$1.00 \$1.25 to \$1.50.

De Schreveriana, double variegated, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50.

Vervaneana, a well-known double variegated variety, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50.

Apollo, best red, \$1.00 \$1.25 to \$1.50; best double red, \$1.00 \$1.50 to \$2.00.

Niobe, double white, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50.

Deutsche Perle, double white, 75c.

John Seveling, double pink, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

Paul Weber, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

A few good mixed varieties, such as Empress of India, Helena Thielmann and others 75c, \$1.00 to \$1.50.

If we are out of the size and color ordered, we shall ship next color and next size, either above or below what is ordered. Where the selection is left to us we will give a good assortment. Just mention the price.

Azaleas will be scarce this Easter so secure your order early.

In connection with Lilies and Azaleas, kindly try to buy a few other plants.

Novelties in Made up Pans.

6-inch pans filled with Pteris Wilsoni Ferns, Albo-Lineata or Tsussimense, very attractive, only 25c per pan; with Dracaena Terminalis in center, 50c to 75c. 6-inch Azalea pots or pans filled with large size Wilsoni Ferns, 50c per pan.

The same with a center piece of a large size Dracaena Terminalis (red foliage), very attractive and showy, 75c to \$1.00. Same filled with table ferns of the best varieties such as Albo-Lineata, Tsussimense, Victoria Mayli, etc., 35c, 40c to 50c.

Same size 6-inch Azalea pot filled with Asparagus Plumosus, 10-12-15 inch high, also Sprengeri 35c, 40c, 50c. Regular 6-inch pans filled with Asparagus Plumosus Sprengeri or Dish Ferns and Wilsoni, 25c to 35c. The same with a Kentia Forsteriana in center 35c. All these pans were made up last fall and are well established; can be shipped in or out of the pans.

Chinese Primroses, 5 1/2-in. pots, \$2.50 per doz.

Our New Improved Begonia Erfordii has no equal as a constant bloomer, winter and summer, in bloom now, 5 1/2-in. pots, 30 to 35c 4-in. 20c.

Asparagus Sprengeri, 2 1/2-in. pots, 3c 4-in., 10c.

Asparagus Plumosus, 10,000 on hand, April 1912 savings, big stock plants, 4-in., 10c; 3-in., 10 to 12-in. high, \$6.00 per 100; medium, 2 1/2-in., \$4.00 per 100; large, 2 1/2-in., suitable for edging bulb pans, \$5.00 per 100.

Hyacinths of our own importation four best colors. Gertrude, best pink; King of the Blues, best blue; Grand Maitre, light blue; La Grandesse, best white; 4-in. pots, in bud or bloom, \$12.00 per 100.

Lilium Multiflorum.

We have Lilies this Easter, 1913 to burn, to burn; they are crackercakes, to beat the band, the best in the land, the best in the land the best in the land.

Three houses in Lilium Multiflorum, the genuine Japan Easter Lily, better than ever before. Our own importation from our general grower in Yokohama, Japan, raised from 9-10 in. bulbs started in 6-in. pots last October: have kept good. Good, perfect foliage from bottom up. Plants medium size and in all heights, with 6-7-8 buds, 10c per bud; with 3-4-5 buds 12c per bud. Just right for Easter. We have the finest lilies this year in Philadelphia and all over the country. Is the town talk from florists and agents daily visiting our place. "We have never seen anything like it," said two well known growers one day, when visiting our place together. We have three houses full in 6-in. pots nicely staked up, medium height, and can supply all applications.

Cineraria Hyb. Grandiflora.

Readers, please, just a minute. I wish to call your attention to one of our biggest houses filled with a big selection of that so much admired Easter novelty the Cineraria Hybrida Grandiflora, which will have no equal in the flower market for Easter, 1913. If you are not fortunate enough to see them growing at our establishment, then just imagine you were promoted to a paradise, to a garden in Eden, standing before a mass of flowers in various beautiful colors. This is the condition one of our Cineraria houses represents at Easter-time. Our new improved strain, planted in 6-in. pots, of medium tall sizes, are unsurpassed in the size and color of the flowers. The flowers are about twice the size of the old ordinary varieties, has big heads of flowers and good foliage; some of the plants are as big as a small apple. Price: 6-in. pots, 25c, 35c, 50c, 75c to \$1.00 per plant, dozen or more, same price.

Araucarias Our Specialty.

Look! Bargains in Araucaria Excelsa raised from top cuttings. Such low prices as are quoted below were never known in the history of Araucaria Excelsa. Just think! 5 1/2-in. pots, 3-4 tiers 16 to 18 in. high, 50c to 60c; in 5 1/2-in. pots 40c.

Plants, 5, 5 1/2, 6, 7-in. pots, raised from top cuttings, no seedlings, 15, 18, 20, 25, 30 in. high, 4-5-6 tiers, 2-3-4-5 years old, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each. We give big value for your money. Just think! An elephant, 6-in. pot, 4 years old, 4-5-6 tiers, 20-25 in. high for only 75c; a jumbo, 6-in. pot, 5 year old 25 in. and over, as wide as a bushel basket, 5-6 tiers, for only \$1.00; and what do you think! a holy terror, 30 to 40 in. and over 5-6-7 tiers, worth \$2.00, for only \$1.25 to \$1.50. Specimens \$2.00.

Von Slon Daffodils, (double nosed) best double yellow Narcissus in cultivation, three bulbs planted in a 5 1/2 to 6-in. pot, \$3.00 per dozen pots.

Tulips, Tournesole, double red and yellow variegated; Imperator Rubrum, double red; Coronne d'Or, double yellow, and Murillo, beautifully shaded rose pink, three bulbs in one pot (4-in.) \$15.00 per 100 pots; \$1.80 per dozen.

Ipomea Noctiflorum, our so well known pure white, waxy Moonvine, bearing flowers very fragrant and as big as a saucer, 2 1/2-in. pots; will make good stock for you to propagate from, \$5.00 per 100.

1000 Ficus Elastica or Rubber Plants, in fine condition, perfect leaves, 7-in. pots, specimen plants, 28 to 30 in. high, \$1.00; 6 to 6 1/2-in. pots, 25 to 28 in. high, 50c to 75c; 5 1/2 to 5 1/2-in. pots, 30c to 35c.

Our Hydrangea Otaksa is just right for Easter trade; every branch nicely staked up, 2, 3, 4, 5, 6, 7 heads to the plant, 6-in. pots, 35c to 50c; 5 to 7 in. pots, 75c \$1.00, \$1.25 to \$1.50.

Cyclamen, 5 1/2-in., in bloom and bud, 35c, 40c, 50c; 4-in., 25c.

We are well provided with a big stock of Primula Obconicas for Easter. Have 3000—a 1 size, of this hardy Easter plant. We always were short every Easter, therefore we raised a big stock for this Easter. 4, 4 1/2, 5, 5 1/2 and 6-in. pots, 10c, 15c, 20c, 25c, 35c and 50c.

Obconicas, 4 in., 10c; in bloom, 15c.

Dracaena terminalis, red colored, 5 1/2-in., 40c.

Belmorena, 4 in., 25c to 30c.

Aspidistra, 6-in., 75c, \$1.00, \$1.25; green foliage. Our Ferns this year are exceptionally fine, Boston, Scotti, Whitman and Scholzei 5 1/2 and 6-in. 35c, 40c and 40c. 7-in. large, bushy plants, 75c to \$1.00. As big as a bushel basket \$1.00 to \$1.25. Remember, all our Ferns are pot, grown not lifted from benches.

Neph. Glatrasii, a new beautiful fern, an improvement on Scotti, much shorter and bushier than Scotti, 5 1/2-in. pots, 50c; 3-in. pots, 20c; 4-in. 25c; 6-in. 75c. Pans 35c to 40c.

Ferns for Dishes. Big assortment, 2 1/2 in. pots, at \$4.00 per 100. 3-in. pots, \$7.00 per 100.

Cocos Weddelliana Palms, big 4-in. pots, 18-20 inches high, 35c, 40c, 50c.

Begonia Argenti Gutato, (variegated) 4-in., 25c; 2 1/2-in., 15c.

Kentia.

We are well provided this Easter with a big stock of Kentia Forsteriana Palms, and to make room for our new importation arriving from Belgium in April, we will be able to give you an excellent low value on them. Just look what Special Bargains we offer you for your Easter trade. 6-in. pots, 30, 35, 40, 50 in. high \$1, \$1.25, \$1.50, \$1.75, \$2.00, \$2.50 to \$3.00. 7-in. pots made up, one large size, about 40, 45 to 50 in. high in centre 3 of smaller size around, \$3.00, \$3.50 to \$4.00. Single plants, 5-5 1/2 in. pots, 25 to 30 in. high, 50c, 60c to 75c; 4-in. 25c.

Kentia Belmoreana Combination Plants, made up of 3 plants, 20 to 25 in. high, 6-in. pots, 75c to \$1.00. Single plants, bushy 5 1/2-in. pots, 50c, 60c, to 75c. 4-4 1/2-5 in. pots 25c, 30c to 40c.

Spirea Gladstone.

What is a home, what is a store what is a church, what is an Easter present, without having a few of the so much admired and so greatly in demand Spirea Gladstone the pride of Holland? O, those charming sprays of beautiful pure white flowers! And the foliage, of such a beautiful wax deep green is a jewel in itself! Mixed with beautiful lilies and other blooming plants they will complete the flower decoration for your happy joyful Easter home of 1913. Ktowing the great demand for these plants during past Easters, when not half the customers could be supplied, we are well prepared this year for the rush, and were fortunate in spite of the scarcity last fall in Holland. When other florists' supplies were cut short by Holland growers we obtained enough of the bulbs to fill two houses with the choicest, and we are able to supply all incoming orders promptly. Prices: 5 1/2 and 7-in. pots, full of buds and flowers, 35c, 50c, 75c to \$1.00 each; dozen or more, the same price. Some are as big as a small washbowl.

Cash with order please. Please state if shipped with or without pots. All goods shipped at purchaser's risk only.

GODFREY ASCHMANN, Importer, Wholesale Grower and Shipper of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

Palms for Easter Sales.



Kentia Belmoreana.

KENTIA BELMOREANA.			
Leaves	Height	Each	Doz.
4-inch	5-6	12-15 inches.....Per 100	\$40.00
5-inch	5-6	18 inches.....	\$.75
6-inch	6	22-24 inches.....	1.50
6-inch	6-7	26-28 inches.....	2.00
7-inch	6-7	28-30 inches.....	2.50
7-inch	6-7	30-32 inches.....	3.00
9-inch	6-7	42-46 inches.....	5.00
10-inch	6-7	48-50 inches.....	8.00
KENTIA FORSTERIANA.			
Leaves	Height	Each	Doz.
4-inch	5	15 inches.....Per 100,	\$40.00
5-inch	5-6	20-24 inches.....	.75
6-inch	5-6	30-32 inches.....	1.50
7-inch	6-7	36-40 inches.....	3.50
8-inch	6-7	40-44 inches.....	4.00
8-inch	6-7	44-48 inches.....	5.00
8-inch	6-7	52-55 inches.....	6.00

PHOENIX CANARIENSIS.

8-inch, 30-35 inches high.....Each, \$3.00

PHOENIX ROEBELINII.

6-in., 16-18 inches high...Each, \$1.75 7-in., 20-22 inches high...Each, \$2.50 11-in. tub, 28-30 inches high...Each, \$8.00

31-33 W. Randolph St., CHICAGO **Vaughan's Seed Store** 25 Barclay St., NEW YORK

GREENHOUSES AND NURSERIES, WESTERN SPRING, ILL.

ROSES

Wintered cool; x-strong roots; prime condition. Best sorts, old and new, including:—

	2½-inch.	4 in.
Duchesse de Brabant.....	Doz. 100 1000 100	\$0.50 \$3.00 \$25.00 \$10.00
Etoile de Lyon.....	0.50 3.00 27.50 10.00	
Maman Cochet, Pink.....	0.50 3.00 27.50 10.00	
White Maman Cochet.....	0.50 3.00 27.50 10.00	
Mlle. Franzisca Kruger.....	0.50 3.00 25.00 10.00	
Safrano.....	0.50 3.00 25.00 10.00	
William R. Smith.....	0.50 3.50 30.00 10.00	
Kaiserin Aug. Vic.....	0.50 3.50 30.00 10.00	
Mme. Jenny Guillemot.....	0.50 3.50 30.00 12.00	
Meteor.....	0.50 3.00 27.50 12.00	
Rhea Reid.....	0.60 4.00 35.00 12.00	
Jeanne d'Arc.....	0.50 3.50 30.00 12.00	
Mrs. Taft.....	0.60 4.00 35.00 12.00	
Dorothy Perkins.....	0.50 3.00 25.00 10.00	
Phil'a Crimson Rambler.....	0.50 3.00 25.00 10.00	
Tausendschoen.....	0.50 3.00 25.00 10.00	
Mary Washington.....	0.50 3.00 25.00 10.00	
Marechal Niel.....	0.60 3.50 30.00 15.00	

SEASONABLE STOCK

Pandanus Utilis, 4-in. pots, \$20.00 per 100.
Cibotium Schiedei 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.
Fern Dish Ferns, all the best sorts including **Cyrtomium Falcatum**, and **Aspidium Tsussimense**, \$3.00 per 100; \$25.00 per 1000.
Bargain! Kentia Forsteriana, a special bargain in single specimen plants, perfect condition, 66 in. high, 6 to 7 leaves, in 10 in. green tubs, \$7.50.
Made up Kentia Forsteriana, 8 in. tubs, 4 plants in a tub, 48 to 52 in. high, \$6.50 each.
Calla Ethiopica, 3-in. strong, need shift, \$7.00 per 100.
New Baby Rambler Rose, **Erna Teschendorf**, strong 2-yr. field grown plants, \$4.00 per dozen, \$30.00 per 100. This is the best Red Baby Rambler of all.
English Ivy, strong 4-in., two or more shoots, \$12.00 per 100.
Dracaena Indivisa, strong 6-in. pot plants, \$35.00 per 100, 5-in. \$20.00 per 100 (Pot grown stock).
Anthericum Variegatum, 3-in. pot plants, \$5.00 per 100.
Ficus Elastica, good young stock, 4-in., \$25.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

THE LEEDLE FLORAL COMPANY. SPRINGFIELD, OHIO.

Mention the American Florist when writing

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University. Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions. A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes. 250-page Catalog free. Write today.

The Home Correspondence School
 Dept. A. F., Springfield, Mass.

Comfort Carnation Cuttings

A Scarlet second to none. A Carnation that came to stay. Be wise, have comfort. Orders filled in rotation. Cuttings guaranteed, \$4.00 per 100. \$30.00 per 1,000.

S. M. MERWARTH & BROS.
 Carnation Specialists
 EASTON, PA.

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
 F. O. B. West Grove.

THE CONARD & JONES CO.,
 West Grove, Penna.

PALMS, FERNS AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
 BROOKLYN N Y

Mention the American Florist when writing

Mention the American Florist when writing

EASTER PLANTS



SPIRAEA GLADSTONE.

Decorative Stock

Special on Made up
Kentias.

We have an exceptionally large stock of 6 and 7 inch **Kentia Forsteriana**, 3 plants in a pot. The 6 inch are 18 to 22 inches high, also pot, on which we make a special price of \$1.00 each or \$12.00 per doz. The 7 inch are 28 to 32 inches; also 3 in pot, special \$1.50 each, \$18.00 per doz.

Remember these are nice bushy plants and just what you need for decorating.

Araucaria Excelsa —	Each	Doz.	Per 100
4-in. 2 3 tiers.....	\$.50	\$ 6.00	
6 in. 4 5 tiers.....	1.00	12.00	
7 in. 4 5 tiers.....	1.50	18.00	

Areca Lutescens —			
3-in. 3 pils in a pot..	2.00	\$15.00	
4 in. 3 pils in a pot..	3.00	25.00	
6-in.....	1.50		

Asparagus Plumosus —			
2 in.....		3.00	
3 in.....		6.00	
4 in.....	1.50		

Asparagus Sprengeri —			
3 in.....	.75	5.00	

BOSTON FERNS.

	Each	Doz.	Per 100
2-in.....		\$3.00	
4 in.....	\$1.50		
5 in.....	.25	3.00	
6 in.....	.50	6.00	
7 in.....	.75	9.00	
8 in.....	1.00	12.00	
9 in.....	1.50	18.00	

Larger ones at \$2.00, \$2.50 and up each.

Dracena Indivisa —	Doz.	Per 100
2-in.....	\$.50	\$ 3.00
3 in.....	.75	5.00
4 in.....	1.50	10.00
5 in.....	3.00	20.00

Ferns, asstd. vars for dishes in 2-in. pots 3.00

Ferns, asstd. varieties for dishes in 3-in. pots.....Doz.. .75 6.00

We have on hand a beautiful stock of pot grown

Tausendschon Roses

in 5, 6, 7 and 8 inch pots well budded and just right for Easter, at 75c, \$1.00, \$1.50 and \$2.00 each. The Tausendschon has a fine pink flower that hangs on and does not drop so easily as some of the other varieties. In addition to our supply of Tausendschon roses we have a fine lot of

Yellow Ramblers, at 25c, 35c and 50c each.

Lady Gay, 5 and 6 inch pots, 35c, 50c and 75c each.

Pink Rambler, 5 inch, 25c and 35c each.

Hermosa Roses, 5 inch, 25c and 35c each.



RAMBLER ROSE.

Ficus Elastica , 5-in.....	Each..	.35
6 in.....		.50
Ficus Pandurata , 6-in., 7-in. and 8-in. at \$1.50.		\$2.50 and \$3.50 each.

PANDANUS VEITCHII.

	Each	Doz.
3-in.....	\$.35	\$ 4.20
4 in.....	.50	5.50
5 in.....	.75	9.00
6 in.....	1.00	12.00
Extra strong plants, \$1.50, \$2.00 and \$3.00 each.		

PHOENIX RECLINATA

	Each	Doz.	Per 100
4 in.....	\$3.00		\$ 0.00
5 in.....	5.00		40.00
6 in.....	.75	9.00	
7 in., 24 in. high; 3 in a pot 1.50			

PHOENIX ROEBELII

	Each	Doz.	Per 100
2½ in.....	\$2.00		\$15.00
3 in.....	3.00		
4 in.....	.50	6.00	
6 in.....	12.00		
6 in. strong.....	18.00		
7 in.....	\$2.50 & \$3.00		
Specimens , 7 in. extra strong		4.00 each.	
8 in. extra strong		5.00 each.	

Spiraea Gladstone and **Japonica** in 5, 6 and 7 inch pots, at 35c, 50c and 75c each.

Spireas Alexandra and **Peach Blossom**, 50c each.



You Should Stock up NOW for Spring Sales

The Geo. Wittbold Co. —L. D. PHONE, GRACELAND 1112— **Chicago**
737-39 Buckingham Pl.

THE E. G. HILL CO.

Richmond, Ind.

READY NOW

Strong well-rooted cuttings of the best red carnation of the year, grand when Beacon has gone off color and is bursting—

Our Commodore \$12.00 per 100;
\$100.00 per 1000.

Rosette Dorner's novelty of 1912, lovely cerise pink.
\$3.00 per 100 \$50.00 per 1000.

Grafted Roses—for March Deliveries:

Grand stock on the best Irish Manetti, thoroughly established.

Mrs. George Shawyer, \$30 per 100.

Milady, \$35 per 100.

St. Nicholas Baur's scarlet, \$3.00 per 100; \$25.00 per 1000.

White Perfection from the finest stock in the country.
\$3.00 per 100; \$25.00 per 1000.

Order Now.

Pink and White Killarney, Richmond, Radiance, Mrs. Aaron Ward, Lady Hillingdon, Antoine Rivoire (Mrs. Taft).

\$12 per 100; \$100 per 1000.

Chrysanthemums

All our standard varieties in large quantities ready now; clean, healthy and in full growth.

Chrysolora and **Roman Gold** in large quantity, \$4 per 100.

If our list is not at hand, send for it.

10,000

Light Pink==Rose Pink

ENCHANTRESS

Carnation Cuttings

Must Be Sold at Once

\$20.00 per 1000

While they last.

These cuttings are taken from stock grown by the most successful growers of the Enchantress variety of carnations in this vicinity and are big value at the price quoted. Send in your order now.

Percy Jones

56 E. Randolph St., Chicago

Geraniums and Coleus

Ricard and Poitevine, \$15.00 per 1000. **S. A. Nutt**, \$12.50 per 1000; next delivery about March 24. **G. Bedder, Vers.**, and general assortment \$6.00 per 1000; ready almost any time. **Plumosus**, just right for Easter pans, sample, 10 cents; 100, \$2.50.

Safe Delivery Guaranteed.

Albert M. Herr, Lancaster, Pa.

SPRING STOCK

BIG BARGAIN IN SMALL PLANTS

Geraniums, La Favorite and Madame Buchner from 2½-in. pots at \$20.00 per 1000.

Dracaena Indivisa, 4-in. at \$10.00 per hundred.

Dracaena Indivisa, 5-in. at 15.00 per hundred.

Dormant Cannas, Pillar of Fire, Jean Tissot, Express and Hofgartner Hoppe, 2 to 3 eye pieces at \$30.00 per 1000.

J. E. MATTHEWSON

Florist, Nurseryman and Seed Dealer

625 North Eighth Street,

SHEBOYGAN, WIS.

Announcement!

Owing to the numerous inquiries we wish to state that our new **Crimson Carnation**

PRINCESS DAGMAR

will be disseminated next season, 1913-1914.

We are booking orders now at \$12.00 per 100; \$100.00 per 1000.

Princess Dagmar will be exhibited at the National Show in New York.

PATTEN & CO., Tewksbury, Mass.

IT IS VERY IMPORTANT TO ORDER CRAIG QUALITY STOCK AT ONCE! CRAIG SPECIALTIES

Are known all over the country and are in greater demand each year. Having increased our glass area over 100,000 square feet, we are in a position to meet our fast-increasing business. The fact that Easter falls this year on March 23 will make absolutely no difference to us as to finishing our stock. Our entirely new plant at Norwood, Pa., has been of great assistance to us.

Our stock for the Easter season is superior in quality to any we have ever grown, notwithstanding the high standard we have maintained for years. We are now the largest growers of Easter stock in America, and any buyer seeking quality will be repaid by inspecting our immense stock at our Philadelphia and Norwood plants.

To give our customers an idea of just what we intend offering, we enumerate the following: 25,000 Lilies,

LILIES.

Our stock of this grand Easter plant is exceptionally fine this year, and having 25,000 plants we can positively please the most critical buyers.

Plants with from 4 to 10 flowers 12c per bloom
Made up pans from 15 to 25 flowers 12c per bloom
Plants with less than 4 flowers 15c per bloom
Cut Lilies, medium \$12 per 100 blooms
Cut Lilies, long \$15 per 100 blooms
All plants have been grown moderately cool.

RHODODENDRONS.

Our stock is large, the plants being exceptionally well budded and shapely, including all the best varieties in all colors.

Prices: \$1.50, \$2, \$2.50, \$3, \$3.50 and \$4 each
Very large plants \$5 and \$6 each
RHODODENDRON PINK PEARL.
Prices: \$2, \$2.50, \$3 and \$4 each

HYDRANGEAS.

We have the largest and finest stock of Hydrangeas ever offered to the trade at Easter, having 7,500 perfect plants. Our stock includes over 6,000 of the new French varieties, all of which have proven so valuable to the retailer. The plants have all been grown cool and are well hardened off, insuring satisfaction to the buyer.

Hydrangea Otaksa, 6-inch \$9, \$12, \$15 and \$18 per doz.
Hydrangea Otaksa, 7-in., and 8-inch \$2, \$2.50, \$3, \$3.50 and \$4 each

THE NEW FRENCH HYDRANGEAS.

All of the varieties here offered have been tested by us under ordinary conditions as to their adaptability to forcing for Easter. All have proven themselves to be valuable additions.

Bouquet Rose, bright pink.
Gene de Vibrage, bright rose.
La Lorraine, bright pink.
Mme. a Riveram, bright rose.
Mme. E. Mouillere, best white.
Mme. Maurice Hamar, bright pink.
Mme. Renee Gaillard, large white.
Souv. de Mme. E. Chantard, bright rose.
6-inch and 7-inch pots, from 3 to 15 flowers \$9, \$12, \$15, \$18, \$24, \$30 and \$36 per doz.
April delivery, strong stock of the above varieties, 2½-inch pots \$10 per 100, \$90 per 1,000
April delivery, Otaksa, 2½-inch pots, strong plants \$3 per 100, \$75 per 1,000

ROSES.

We desire to make special mention of our large stock of Roses, growing upwards of 10,000 plants in the following varieties. We have no hesitation in saying we are the largest growers of forcing roses for Easter in America. We are positive our stock will please the most critical buyers, as the quality was never better. It has all been grown cool and will prove very satisfactory.

BABY RAMBLERS.

Good, strong stock, well flowered; \$4, \$6 and \$9 per doz.

HALF STANDARD BABY RAMBLERS.

Orleans, President Taft, Phyllis, etc.; exceptionally fine plants, 3-foot stems: \$1.25, \$1.50 and \$2 each.

MRS. CUTBUSH, PINK BABY RAMBLER.

This variety is one of the popular ones. 5-inch and 6-inch pots \$6 and \$9 per doz.

ORLEANS (NEW).

The best of the Baby Rambler. Colors, bright red and pink, center slightly shaded white, very free flowering.
5-inch and 6-inch pots \$6 and \$9 per doz.
7-inch pots, very heavy, made up \$12 and \$15 per doz.

PHYLLIS BABY PINK RAMBLER.

This variety we consider the most beautiful of its class.
5-inch and 6-inch pots \$5, \$6 and \$9 per doz.

JUNIATA—NEW CLIMBING ROSE.

One of the very best of the seedlings raised by Mr. M. H. Walsh, of Woodshole, Mass. We purchased the entire stock several years ago at a large figure and this is the first time disseminated. We are offering some very handsome specimen plants in bloom for Easter delivery and every one should have a few of this grand rose novelty. It is an unusually strong grower and the most prolific bloomer of any of the climbing roses. The color is a beautiful rose pink with tips of petals lightly tinged with white and a white disc in the center of the flower. It is the ideal variety for either forcing or for outside decoration.
Specimen plants, 5-inch, 6-inch and 7-inch pots \$6, \$9, \$12, \$15, \$18, \$24 and \$30 doz.

PINK RAMBLER ROSES.

In grand condition, trained into fan, globular and pyramidal shapes, \$1, \$1.25, \$1.50, \$2, \$2.50, \$3, \$3.50 and \$4 each.
Special Ball Shapes, wire frames, \$2.50, \$3, \$4 and \$5 each.
Standard Ball Shape, \$3 and \$3.50 each.

CRIMSON RAMBLER.

These plants are unusually fine.
7-inch pots \$1.50 each
8-inch and 9-inch pots \$2, \$2.50, \$3 and \$3.50 each

HIAWATHA.

The best variety of its color, brilliant red with yellow center.
6-inch, 7-inch and 8-inch pots, trained in globular and fan shapes \$1.25, \$1.50, \$2, \$2.50 and \$3 each
Special baskets \$7.50 each

TAUSENSCHON—THOUSAND BEAUTIES.

This was our finest and most popular climber last year, and this year our stock is large and the plants are much finer. We cannot recommend the Tausenschon too highly.
Strong plants, 6-inch and 7-inch pots \$1, \$1.25 and \$1.50 each
Trained plants, Fans, Globular and Pyramidal shapes \$2, \$2.50, \$3, \$3.50, \$4, \$5 and \$6 each
Baskets \$7.50 each

BABY TAUSENSCHON.

This is a new introduction this year and will be one of the most popular roses ever sent out. It is exactly the same as the popular rose "Tausenschon" in coloring, but, belonging to the Baby Class, it is an ever bloomer. Every one should try this variety; its great value will be for baskets and for spring planting.
4-inch, 4½-inch, 5-inch and 6-inch pots \$6, \$9 and \$12 per doz.
Strong plants for growing on, May delivery, 2½-inch pots \$12 per 100, \$100 per 1,000

HYBRID ROSES.

We have an exceptionally large stock of Hybrids and Teas which will be just right for Easter.

Killarney, 6-inch and 7-inch pots \$6, \$9 and \$12 per doz.
Magna Charta, very fine, 6 to 18 flowers \$9, \$12, \$15 and \$18 per doz.
Frau Karl Druschki, very fine, 6 to 18 flowers \$9, \$12, \$15 and \$18 per doz.
Richmond \$6, \$9 and \$12 doz.
Kaiserin \$6, \$9 and \$12 doz.

SUNBURST—NEW YELLOW ROSE.

Strong plants, 6-in. pots \$12, \$15 and \$18 per doz.
2½-inch plants, \$20 per 100; \$150 per 1,000

SPIRÆA GLADSTONE.

Our stock is in superb condition.
6-inch pots, very heavy \$6 per doz.
7-inch pots, very heavy \$9 per doz.
8-inch tubs, very heavy, made up \$12 per doz.
10-inch and 11-inch tubs, very heavy, made up \$18 and \$24 per doz.

GENISTAS.

Fine stock for basket work in the smaller sizes.

3-inch pots \$15 per 100
4-inch and 4½-inch pots \$3 and \$4 per doz.
5½-inch and 6-inch pots \$6 and \$9 per doz.
7-inch pots \$12 and \$15 per doz.
Large plants \$1.50, \$2, \$2.50, \$3, \$4 and \$5 each

DOUBLE DAISY—MRS. SANDER.

Well grown and well flowered.
4-inch pots \$3 per doz.
5-inch pots \$5 per doz.
6-inch pots \$6 per doz.
Larger plants, \$0.75, \$1, \$1.50 and \$2 each

MARGUERITES.

Well flowered plants.
4-inch pots \$2 per doz.
6-inch pots \$4 and \$6 per doz.
Larger plants \$0.75, \$1, \$1.50, \$2 and \$2.50 each

LILY OF THE VALLEY.

5-inch pots \$7.50 per doz.
6-inch pots \$9 per doz.

NEPHROLEPIS IN VARIETY.

We are now the largest growers of Nephrolepis Ferns in the country, in the following varieties; in fact, we are headquarters for them. The demand increases each year and it is our aim to have EVERY VARIETY OF NEPHROLEPIS IN EVERY SIZE EVERY DAY IN THE YEAR.

May we have your Easter order for Ferns? Excellent values in all sizes.

NEPHROLEPIS ELEGANTISSIMA IMPROVED.

This variety is a greatly improved Elegantissima, and shows no tendency to revert to the Boston. This is now one of the most popular of the crested varieties.
2½-inch pots \$6 per 100; \$50 per 1,000
4-inch pots \$20 per 100; \$180 per 1,000
6-inch pots, very heavy \$6 and \$9 per doz.
10-inch tubs, very heavy \$2 each
12-inch tubs, very heavy \$2.50 and \$3 each

NEPHROLEPIS TODEAIOIDES —LONDON FERN.

This we consider one of the best.
2½-inch pots, growing on \$5 per 100; \$45 per 1,000
4-inch pots, very heavy \$20 per 100; \$180 per 1,000
11-inch tubs, very handsome \$2 and \$2.50 each

Also complete line of Ferns, Arecas, Pandanus, Ficus, Dracaenas, Crotons, Phoenix Roebelenii, and other Decorative Plants.

Robert Craig Company, Philadelphia, Pa.
4900 MARKET STREET,
BRANCH NORWOOD, PA.

"Get them at Dreer's"

THE NEW FRENCH HYDRANGEAS

Dormant stock stored in cold frames and which can readily be brought into flower for Decoration Day and later.

	3-inch Pots Per doz.	5-inch Pots Per doz.		3-inch Pots Per doz.	5-inch Pots Per doz.
Avalanche. Splendid large white.....	\$1.00	\$7.00		\$2.50	\$20.00
Botaniste Peltreau. Enormous pretty mauve-rose	1.00	7.00		2.50	20.00
Bouquet Rose. Rosy ambler turning to bright pink	1.75	12.00		—	—
Dentelle. Deeply fringed creamy-white	1.25	8.00		2.50	20.00
Fraicheur. White, delicately suffused with rose	1.25	8.00		2.50	20.00
General de Vibraye. Favorite bright rose color	1.75	12.00		—	—
La Lorraine. Pale rose changing to bright pink	1.75	12.00		—	—
Mme. A. Riverain. Superb bright rose color	1.50	10.00		2.50	20.00
Mme. E. Moulliere. The favorite white.	1.75	12.00		—	—
Mme. Maurice Hamar. Delicate flesh rose color, but in our soil coming a beautiful deep blue	1.50	10.00		2.50	20.00
Mme. Raymond. Transparent white, passing to a tender rose.....	1.50	10.00		2.50	20.00
Mme. Agnes Bariller. Personally we consider this the best white.....	1.50	10.00		2.50	20.00
Mlle. Renee Gaillard. Very large, milky- white, irregularly dentated, showy flowers	1.50	10.00		2.50	20.00
Mlle. de Tremault. White, producing flower heads as large as the popu- lar Otaksa	1.50	10.00		2.50	20.00
Mousseline. Beautiful mauve-rose with cream colored centre	1.50	10.00		—	—
Mont Rose. Very early, clear flesh-rose in immense panicles	1.75	12.00		3.00	—
Mons. G. Renault. Bright rose with car- mine reflex	1.25	8.00		—	—
Ornament. Large mauve-pink.....	1.25	8.00		2.50	20.00
Ronsard. Very large rose-pink.....	1.25	8.00		2.50	20.00
Radiant. Distinct rose-carmine.....	1.50	10.00		—	—
Souvenir de Mme. E. Chautard. One of the best, a bright rose color.....	1.50	10.00		2.50	20.00
Senateur Henri David. On the style of La Lorraine, but flowers earlier.....	1.75	12.00		—	—

We will furnish one three-inch pot plant of each of the 22 varieties for \$2.50

HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

The above prices are intended for the trade only

VERBENAS



Finest in the land, best mammoth varieties, true to name. Seedlings are disappointing, get the true stock, at 70c per 100, \$6.00 per 1000; Mrs. F. Sander, \$1.25 per 100, \$10.00 per 1000. **Colceus**, finest named varieties, a grand collection, at 70c per 100, \$6.00 per 1000. **Pansies**, Roemer's Prize Winners (Germany), large, fine plants, 50c per 100, \$4.00 per 1000. **Daisies**, California and Queen Alexandra, \$1.00 per 100, \$8.00 per 1000. **Ageratums**, 60c per 100, \$5.00 per 1000. **Alternantheras**, three varieties, very strong, 60c per 100, \$5.00 per 1000. **Feverfew**, "Little Gem" (True), \$1.25 per 100, \$10.00 per 1000. **Salvias**, Bonfire and St. Louis, \$1.00 per 100, \$8.00 per 1000. We prepay express.

C. HUMFELD,

The Rooted Cutting Specialist, Clay Center, Kan.

F. F. SCHEEL

SHERMERVILLE, ILL.

Wholesale Growers of Cut Flowers, Pot Plants and Nursery Stock

DAHLIAS

Standard and New Cut Flower Varieties

Lindhurst Farm
Hammonton, N. J.

**THE EARLY ADVERTISE-
MENT GETS THERE.**

ROSES!! ROSES!! ROSES!! ROSES!!

Grafted Stock: Richmond, White Killarney, Brides, Kaiserin, Pink Killarney, Bridesmaids, 2 1/4-in. pots. Price, \$10.00 per 100; \$100 per 1000. Ready first of March.

Own-Root Stock: My Maryland, Pink Killarney, Richmond, Perles, White Killarney, Kaiserin. 2 1/4-in. pots. \$5.00 per 100; \$47.50 per 1000. Ready middle of March.

CARNATION CUTTINGS: Enchantress, Rose Pink Enchantress, May Day, White Enchantress, Lady Bountiful, Queen Louise, White Perfection, O. P. Bassett. Price, \$3.00 per 100; \$25.00 per 1000. Ready now.

VERBENA PLANTS AND CUTTINGS

J. L. DILLON, - Bloomsburg, Pa.

Mention the American Florist when writing

Enchantress Supreme

THE Best Sport from Enchantress up-to-date, possessing all the vigor and freedom that distinguishes its parent.

Color a light salmon pink — a color that is not only very attractive, but also one that endures full exposure to the sun without bleaching.

A good all around Carnation that retains its color at all seasons.

Calyx is longer and narrower than that of the parent variety, and distinct from the latter. Has shown no inclination to be a burster.

The weak points of Enchantress seem to have been lost in this Sport, and a trial of four years duration convinces us of its great value.

PRICES: Twelve Rooted Cuttings.....\$3.00 One Hundred rooted cuttings....\$ 12.00
Twenty-five rooted cuttings, 5.00 One Thousand rooted cuttings.. 100.00
Fifty rooted cuttings..... 7.00 Order quick for February deliveries.

DAILLIDOUZE BROS.,

Lenox Road and Troy Ave.,
BROOKLYN, N. Y.

Mention the American Florist when writing

The Early Advertisement Gets There

Mrs. "Geo. Shawyer" ROSE

We are still in a position to quote March delivery on this splendid rose which secured Seventeen First-Class Certificates and two Silver Medals last fall. Destined to be the leader in pink.

"SUNBURST"

\$20.00 per hundred;

\$150.00 per thousand.

CARNATIONS

Northport, Enchantress Supreme, Salmon Beauty
and Commodore, \$12.00 per hundred;
\$100.00 per thousand.

CHRYSANTHEMUM "RAMAPO"

The improved Appleton. A seedling from that variety and a splendid "early to midseason yellow." Perfect stem and foliage. Immediate delivery, 2 1-2-inch plants,

\$2.00 per dozen; \$15.00 hundred.

Also six hundred other varieties of 'Mums if you wish them.
If you did not receive our catalogue send for it.

CHAS. H. TOTTY

MADISON, N. J.

QUALITY IN YOUNG STOCK NEW ROSES.

MILADY

Grafted per 100, \$30.00 Per 1000, \$250.00
Own Root " " 30.00 " " 250.00

MRS. GEO. SHAWYER

Grafted..... per 100, \$30.00 Per 1000, \$250.00

KILLARNEY QUEEN and DOUBLE WHITE KILLARNEY

Two new Roses of last season.

Grafted per 100, \$20.00 Per 1000, \$150.00
Own Root " " 12.00 " " 100.00

MRS. CHAS. RUSSELL (March delivery)

Grafted..... per 100, \$35.00 Per 1000, \$300.00

KILLARNEY, WHITE KILLARNEY, MY MARYLAND, DOUBLE PINK KILLARNEY, MRS. TAFT (Rivoire)

RADIANCE, MRS. AARON WARD, LADY

HILLINGDON, RICHMOND

Grafted per 100, \$15.00 Per 1000, \$120.00
Own Root " " 7.50 " " 60.00

For Immediate Delivery

ASPARAGUS PLUMOSUS, Seedlings..... \$1.00 per 100; \$10.00 per 1000
ASPARAGUS PLUMOSUS, 2 1/4-inch \$3.50 per 100; \$30.00 per 1000
ASPARAGUS SPRENGERI, Seedlings..... 75c per 100; 5.00 per 1000
ASPARAGUS HATCHERI, Seedlings..... \$1.50 per 100; \$15.00 per 1000
ASPARAGUS HATCHERI, 2 1/4-inch \$7.00 per 100; \$60.00 per 1000
" " 3-inch \$12.00 per 100; \$100.00 per 1000
" " 4-inch \$15.00 per 100; \$120.00 per 1000

BEDDING STOCK—COLEUS in quantity, SALVIA, ALTERNANTHERA, HELIOTROPE, AGERATUM ACHYRANTHES.

No order too large for our wholesale department. Use printed stationery or enclose your card. Wholesale prices to the trade only.

A. N. PIERSON, Inc., Cromwell, Conn.

Miscellaneous Plants

Smilax, 2-in., per 100, \$1.00. **Dracaena Indivisa**
2-in., per 100, \$2.00. **New Double Daisy**, Mrs. F.
Sander, 2-in., per 100, \$2.00. **Cryptomeria Japonica**,
2-in., per 100, \$5.00. **Asparagus Plumosus**,
2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good
stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

Mention the American Florist when writing

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET, ILL.

Mention the American Florist when writing

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my Specialty

Mention the American Florist when writing

SHAMROCK, TRUE IRISH.

Strong plants from 1 1/4-in. pots...100, \$3; 1000, \$25.
Strong plants in 1-in. pots with saucers, \$4 per 100;
35 per 1000.

FERNS FOR DISHES.

Best assorted varieties from 2 1/4-in. pots...100, \$3.50;
1000, \$30.. 500 at 1000 rate. Cash with order.

FRANK OECHSLIN,

4911 West Quincy St. CHICAGO.

Mention the American Florist when writing

We Put "FLOWER" In FLOWERFIELD

The Home of CHILDS' GLADIOLI

Noted the world over for SUPERIOR MERIT

ALSO CANNAS, DAHLIAS, IRISES, LILIUMS, ETC.

SPECIALS.

	100	1000
Gladiolus, America -	\$ 3.50	\$30.00
" Baron Hulot -	7.00	60.00
" Niagara -	25.00	
" Princeps -	8.00	70.00
Canna, Wyoming (a giant among Cannas) -	4.00	35.00
Hyacinthus Candicans -	1.25	10.00
Lilium, Henryi, the yellow Speciosum -	35.00	

JOHN LEWIS CHILDS,

WHOLESALE DEPARTMENT

FLOWERFIELD, LONG ISLAND, NEW YORK

John Bader Co.

B. L. ELLIOT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Primula Obconica, strong plants in bud and
bloom 4-inch, \$5.00 per 100, \$45.00 per 1000;
out of 2 1/2-inch plants that will bloom for
Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, giant Baby Primrose, strong,

2 1/2-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengeri, strong,

2 1/2-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch,

\$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.



Asparagus Plumosus Nanus.

SOME VAUGHAN'S SPECIALTIES

Asparagus Plumosus Nanus

Northern Greenhouse Grown. Our well-known quality.

Special Price for March

1,000 Seeds	\$ 3.00
5,000 "	14.00
10,000 "	27.00

Asparagus Sprengeri

75c per 1000.

5,000 Seeds for \$3.00.

ASTER Queen of the Market. Standard early flowering type

White
Crimson
Pink
Light Blue
Dark Blue
Silvery Lilac
Scarlet
Flesh
Dark Lilac

Each, pk, 1/4 oz., 25c.
Oz., 80c.
Trade pkt., 10c.

ASTER Giant Branching or Semple. Late Flowering

White turning to Pink
Lavender
Fiery Scarlet
Cinnabar
Carmine
Dark Red
Rose Pink
Daybreak
Purple
Pale Yellow

Each, pkt., 1/4 oz., 25c.
Oz., 80c.
Trade pkt., 10c.

Sweet Peas

	Per Oz.	Per 1/4 Lb.	Per lb.
Countess Spencer Variety, pale pink	\$.15	\$.55	\$2.00
Asta Ohn, lavender	.25	.90	1.50
White Spencer, white	.25	.85	3.20
Nora Unwin, white	.10	.30	1.20
Dorothy Eckford, white	.10	.15	.60
Lady Grisel Hamilton, lavender	.10	.20	.70
King Edward VII, red	.10	.20	.70

For other varieties see our "Book for Florists."

CANNA FIRE BIRD The very best of all the Green-leaved, red-flowering Cannas. None better. (Ready May 1st).....Each \$2.50

VAUGHAN'S SEED STORE, CHICAGO, NEW YORK

PALMS.

Each.
Kentia Forsteriana, 4 in. pots, 12 to 15-in. 18c
Kentia Belmoreana, 4 in. pots, 12 to 15 in 18c
Areca Lutescens, 3-in. pots, 8 to 12-in. 10c
Latania Borbonica, 4-in. pots, 12 to 15-in. 15c

ROSES OUR SPECIALTY,
Write for 1913 Catalogue.THE DINGEE & CONARD CO.,
WEST GROVE, PA.

Mention the American Florist when writing

ORDER NOW 50,000 ORDER NOW
For your St. Patrick's Day trade we have
50,000 true Irish

SHAMROCKS

In 1-inch pots, \$4 per 100, \$35 per 1,000. In 1 1/4 inch
pots, \$4 per 100, \$35 per 1,000. 4 inch pans, \$1.50
per dozen. CASH WITH ORDER.

Get in line now for some extra money on March 17
PANSIES and GERANIUMS in SEASON
LEONARD COUSINS, Jr., Concord Junction, Mass
Telephone 82 Concord

Mention the American Florist when writing

Always mention The American Florist
when you order stock. : :

Order Easter Stock Now

We can ship it so it will be just
right for Easter.

Lillies 12 1/2 cents per bud.
Hydrangeas at 50c 75c, \$1.00 and up, having 2 3.
4 and more heads at 25 cents per head.
Azaleas at \$1.00, \$1.25 and \$1.50 each.
Spireas at 35c, 50c and 75c each.
Baby Ramblers 35c, 50c and 75c each.
White Ramblers at 35c each. Souperets and Her-
mosa roses at 35c and 50c each. These are
strong bushy plants in 4-inch, have larger sizes
in 6-inch pots
Cinerarias, an extra large stock in 4 and 5 inch
at \$15.00 and \$20.00 per hundred.
Cyclamen, 4-inch at \$20.00 per hundred.

	3-inch	4-inch	5-inch
Primroses		\$12.50	
Obconica	\$ 8.00	12.50	
Malacoides	10.00	20.00	\$35.00
Begonias	7.50	15.00	

Bulb Stock.

	4-inch	5-inch	6-inch
Hyacinths	\$10.00 to \$15.00	\$25.00	\$35.00
Tulips			30.00
Von Sion			30.00
Priniceps		25.00	30.00
Narcissus			30.00

Geraniums.

We have one of the largest stocks in Central
Illinois at the present time. We have 7500 in the
sand, 7500 in 2 1/2 inch, 11,000 in 3 inch, 5800 in
4 inch and 1,000 in 5 inch.

Write us for prices on Soft Wooded stock. At
present we have Alternantheras, Ageratum, Abut-
tion, Allyssum, Begonias, Colus, Chrysanthem-
ums, Daisies, Marguerites, Mrs. Sanders and
Yellow, Fuchias, Feverfew, Geraniums, Silverleaf,
Heliotrope, German Ivy, Lantanas, Weeping Lan-
tanas, Moonvines, Petunias, Salvias, Sultan, Vin-
cas variegated and green, Lemon Verbenas. Send
for list.

GEO. A. KUHL, Wholesale Grower, PEKIN, ILL.

Mention the American Florist when writing

FLOWERING AND FOLIAGE PLANTS FOR EASTER, 1913.

AZALEAS —In all sizes and varieties.....	\$.50	to \$10.00						each
BULBS —Tulips, in pans, in variety, at.....	.35	.50	.75	1.00				a pan
Hyacinths, in pans, all colors.....	.35	.50	.75	1.00	1.50	2.00		a pan
HYACINTHS —In pots.....	2.00	a doz.	16.00					per 100
ERICA CODONOIDES VEITCHII —White, 5, 5½, 6, 6½ in.	.50	.75	1.00	1.25				each
EASTER LILIES	12.00							per 100 flowers
HYDRANGEAS —								
Otaska, pink, 5½, 6, 7, 8 and 9 in. pots.....	.50	.75	1.00	1.50	2.00	3.00	4.00	each
Avalanche, pure white.....	.50	.75	1.00	1.50	2.00			each
Mme. E. Mouillere, 6½, 7, 8 and 9 in. pots.....	1.50	2.00	3.00	4.00	5.00	6.00	7.00	each
Boquet Rose, 6, 6½ in. pots (blue).....	1.00	1.50	2.00					each
French Blue, 6½, 7, 8 and 9 in. pots.....	1.50	2.00	3.00	4.00	5.00	6.00	7.00	each
LILY-OF-THE-VALLEY —In pans.....	.50	.75	1.00					each
				Larger pans planted to order.				
ROSES —Crimson Rambler, 10, 11 and 12 in. pots.....	5.00	6.00	7.00					each
Wartburg, new, dark pink, 7, 8, and 9 in. pots.....	2.50	3.00	3.50	4.00	5.00	6.00		each
Dorothy Perkins, 7, 8, 9 and 10 in. pots.....	3.00	to	10.00					each
Hybrids, in variety. Magna Charta, Ulrich Brunner, Baroness Rothschild, Baby Rambler, Frau Carl Druschky.....	12.00							a doz.
Specimens.....	2.00	3.00	4.00					each
RHODODENDRONS —7, 8, 9, and 10 in. pots.....	1.50	2.00	to	5.00				each
SPIREA —Gladstoni, 7 and 8 in. pans.....	6.00	9.00	12.00					a doz.
Queen Alexander, pink.....	9.00	12.00						a doz.

CASH WITH ORDER, PLEASE.

ANTON SCHULTHEIS, 316 19th St., Queensborough, College Point, N. Y.

Best Grafted Rose Stock

Pink Killarney, White Killarney, Double White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000, \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill. Killarney Queen, \$15.00 per 100; \$120.00 per 1,000.

OWN ROOT STOCK

Killarney, White Killarney, Prince de Bulgarie, Mrs. Aaron Ward, Melody, Lady Hillingdon and My Maryland, \$6.00 per 100; \$55.00 per 1,000. Richmond, 2½-inch, \$5.00 per 100; \$45.00 per 1,000.

The Above is All Select Stock and a Big Bargain at the Prices Quoted.

 **NOTE:** The next lot of Carnations will be ready March 30, 1913.

Poehlmann Bros. Co., Morton Grove, Ill.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100. Boston and Whitman Ferns, 3-in., 10c; 4-in., 15c; 5 in., 25c. Dracena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in. \$25.00 per 100. Vinca Var., 2-in., 2c. Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus Plumosus, 2-in., \$3.00 per 100. Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

BEGONIAS

Strong seedlings ready for 2 in. pots. Prepaid, \$6.00 per 1000, \$1.75 for 250.

Defiance (red)
Mayflower (pink)
Mammoth (purple)
Italian (striped)

Cash With Order

P. PEARSON, 7532 Gunnesson Street, CHICAGO.
Jefferson Park Station Telephone Irving 954

ROSES IN BLOOM FOR EASTER.

We expect to have the following varieties in bloom:

Lady Gay	Tausendschon	Hiawatha
Excelsa	Flower of Fairfield	White and Pink Dorothy Perkins
Delight	American Pillar	

7 to 8 inch pots from \$1.00 to \$6.00 each.

Crimson Baby Rambler	Phyllis	Orleans	Jessie
----------------------	---------	---------	--------

5 inch pots from 50c to 75c each.

Erna Teschendorff—5 inch pots at 75c each.

HYDRANGEA OTAKSA 7 to 8 inch pots from \$1.00 to \$2.50 each.
“ “ New French Varieties—4 to 6 inch pots from 75c to \$1.50 each.

RHODODENDRONS—from \$1.00 to \$2.00 each.

CHICAGO
31-33 W. Randolph St. **Vaughan's Seed Store,**

Greenhouses and Nurseries, Western Springs, Ill.

NEW YORK
25 Barclay St.

The Early Advertisement Gets There

Dorner's Novelties For Spring of 1914

**We Offer Three Tried and True Commercial Varieties:
Champion, Scarlet, Yellowstone and Yellow Prince, Yellow**

Champion—Bright scarlet, large size, good form, bright color and strong stems. An extraordinary early free habit that will never fail to give a heavy Christmas cut. **Champion** was only one of eight good scarlet varieties in a test; its superior qualities over the others made it an easy winner.

Price: \$12.00 per 100; \$100.00 per 1000; \$237.50 per 2500; \$450.00 per 5000.

Yellowstone and Yellow Prince—The only two yellow carnations that we have found profitable, commercial varieties in their color.—Size, stem, color, growth, earliness and freedom of bloom is all of the commercial standard. The want of good yellow carnations will cause a big demand for this stock and with the orders already booked, we expect to be sold up long before the close of the 1914 season.

Price: \$6.00 per 50; \$10.00 per 100; \$80.00 per 1000; \$187.50 per 2500; \$350.00 per 5000.

We have booked quantities of **Champion, Yellowstone and Yellow Prince** for Spring 1914 delivery and to secure early stock, we advise you not to wait, but to place your order now.

F. DORNER SONS CO., La Fayette, Ind.

Spring Stock Ready for Shipment

Dracaenas—We are overstocked and can quote you very low prices.

Geraniums—S. A. Nut,
extra strong 2½ in. at \$25.00 a 1000, \$2.75 a 100.

Ferns—For varieties and prices in 4 in., 5 in., 6 in. and 7 in. pots write at once.

Asparagus Plumosus
—at prevailing market prices.

Vincas—will be ready for shipment by April 1st at current prices.

If you don't see what you want in this advertisement, write and ask us, as we are general growers with a reputation for high grade goods.

Meredith Flower and Vegetable Co.
LIBERTYVILLE, ILL.

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GREENHOUSE GLAZING.

Big jobs a specialty

Prices on application

ROBT. T. BLAIR,

122 E. Wood Ave., COLUMBUS, OHIO

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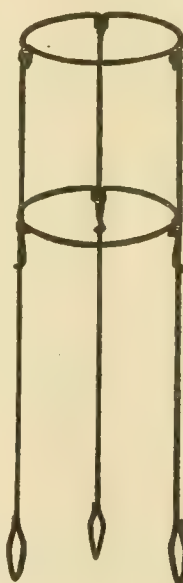


No loss if you mend your split carnations with Superior Carnation STAPLES 50c per 1000 postpaid.

Wm. Schlatter & Son,

422 Main St., Springfield, Mass.

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Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market

Pat. July 27, '97. May 17, '98

GALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere.

Prompt shipment guaranteed

IGOE BROS.

266 N. 9th St.

BROOKLYN, N. Y.

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GET INTERESTED, MR. FLORIST, THIS IS FOR YOU!

If you contemplate painting your house this year, it will be well for you to investigate the merits of

My Special Greenhouse White Lead Paint

which I use exclusively in the erection of the large ranges of glass that I erect on private estates and public parks. I have increased my plant to take care of the demands made upon me for this paint by florists in all parts of the country. The Lutton reputation for high class material is back of this product. Send for a sample free of cost and then you will send your order. We also furnish materials for the complete erection of modern Iron Frame Greenhouses. Some of the largest growers in the country will testify to this fact.

WILLIAM H. LUTTON, West Side Avenue Station Jersey City, N. J.

The Early Advertisement Gets There

M. WINANDY CO., Mfrs.

Greenhouse builders and manufacturers of WINANDY'S NEW BENCH AND HEATING SYSTEM.

Write for particulars.

6236 N. Lincoln St. CHICAGO Telephone Ravenswood 607.

Mention the American Florist when writing

Ready Reference Section.

10 CENTS PER LINE, NET.



AGERATUMS.

Ageratum. A. N. Pierson, Inc., Cromwell, Conn.

ALTERNANTHERAS.

Alternantheras. R. C., red and yellow, 50c each; 100. Jos. H. Cunningham, Delaware, O.

Alternantheras. A. N. Pierson, Inc., Cromwell, Conn.

AMPELOPSIS.

Ampelopsis Veitchii, heavy, 1-year, 2 to 3 ft., strong, 50 for \$2; 100, \$3.25; Parcel Post, \$20 per 1,000; 18 to 24 inches, 50 for \$1.50; 100 for \$2; Parcel Post, \$15 per 1,000. Well rooted plants, tops cut to 6 inches for transplanting, \$12 per 1,000. Samples, 25c allowed on purchase. Chas. Black, Hightstown, N. J.

ARAUCARIAS.

Araucaria excelsa, 4-in., 2 to 3 tiers, 50c each; \$1 per doz.; 6-in., 4 to 5 trs., \$1 each; \$12 per doz.; 7-in., 4 to 5 trs., \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus plumosus seedlings, \$1 per 100; \$10 per 1,000; 2 1/2-in., \$3.50 per 100; \$30 per 1,000. Sprenger seedlings, 75c per 100; \$5 per 1,000. Hatcher seedlings, \$1.50 per 100; \$15 per 1,000; 2 1/2-in., \$7 per 100; \$60 per 1,000; 3-in., \$12 per 100; \$100 per 1,000; 4-in., \$15 per 100; \$120 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6 per 100; 4-in., \$1.50 per doz. Sprenger, 3-in., 75c per doz.; \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmons, Newton, N. J.

Asparagus plumosus and Sprenger, 2 1/2-in., \$2 per 100; 300 for \$5.00. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2 1/2-in., \$3 per 100; \$25 per 1,000. Sprenger, 2 1/2-in., \$2.50 per 100; \$25 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus and Sprenger, 2 1/2-in., \$3 per 100; \$25 per 1,000. James Vick's Sons, Rochester, N. Y.

ASPARAGUS PLUMOSUS. Fine heavy plants, 3-in., \$4.50 per 100. Sprenger, 2 1/2-in., \$2.50 per 100. Wagner Park Conservatories, Sidney, O.

Asparagus plumosus. Meredith Flower & Vegetable Co., Libertyville, Ill.

Asparagus Sprenger, 2 1/2-in., \$2 per 100, cash. John Bauscher, Jr., Freeport, Ill.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

ASPIDISTRAS.

Aspidistras, green, 4-in., dwarf, 25c each; variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

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THE SAWYER ASTERMUM—Eight years of strict selection places it on the mountain top of perfection, in color, size and profit. Price (cash with order), \$8 oz.; \$4.50, 1/2 oz.; trade pkg., 1,000 seeds (not mixed) \$1. Colors: White, pink and lavender. Send for cuts and description. ALBERT A. SAWYER, Forest Park, Ill.

ASTERS, QUEEN OF THE MARKET, white and pink, strong seedlings only, ready beginning March 15th, 50c per 100; \$4 per 1,000. SPECIAL: 10 per cent discount for cash in lots of 100 and over. ORDER NOW.

EDW. DOEGE COMPANY, 4344 N. Springfield Ave., Chicago, Ill.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. McHutchison & Co., 17 Murray St., New York.

BEGONIAS.

Begonias, DeLancey, red; Mayflower, pink; Mammoth, purple; Italian, striped; all strong seedlings, ready for 2-in. pots, prepaid, \$6 per 1,000; \$1.75 for 250. P. Pearson, 5732 Gumbison St., Chicago.

Begonias, Gloire de Lorraine and Cincinnati in bloom, 5 1/2 and 6-in., 50c to \$1. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

BOXWOOD.

Boxwoods. McHutchison & Co., 17 Murray St., New York.

BULBS.

GLADIOLI. A good mixture, \$1 per 100; \$9 per 1,000. Choice Florists' mixture, white, light and pink, \$1.75 per 100; \$16 per 1,000. Pink Augusta, best forcing pink, \$2.25 per 100; \$20 per 1,000. Cash, 250 at 1,000 rates. Also America, Augusta, Francis King, Mme. Monerett, Klondyke, George Paul, etc. Send for price list. STEVEN'S GLADIOLI CO., Saginaw, W. S., Mich.

Gladiolus, America, 1st size, \$3 per 100; \$25 per 1,000; medium, \$2.50 per 100; \$20 per 1,000; Mrs. F. King, \$2 per 100; \$18 per 1,000. Spirea clumps, Gladstone, \$5 per 100; Floribunda, \$4; Superba, \$4; Queen Alexandra, \$7. The Storrs & Harrison Co., Painesville, O.

AMERICA GLADIOLUS PLANTING STOCK: Parcel Post, America, No. 3, 1 to 1 1/4 inch, \$10 per 1,000; No. 4, 3/4 to 1 inch, \$8 per 1,000; No. 5, 1/2 to 3/4 inch, \$5 per 1,000; No. 6, 3/4 to 1 1/4 inch, \$3 per 1,000. Other sizes if wanted. CURRIER BULB CO., Seabright, Calif.

Bulbs, Lilium multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, bedding hyacinths, white, red and blue, \$1.60 per 100; \$15 per 1,000. James Vick's Sons, Rochester, N. Y.

Gladioli. For varieties and prices see advertisement elsewhere in this issue. Mallory & Brown, Madison, Wis.

Bulbs, caladiums, gladioli, cannas, tuberose. For prices see advertisement elsewhere in this issue. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, hyacinths, narcissus, tulips, gladioli, spireas, dahlias, etc. Wanner & Co., Sassenheim, Holland.

Gladioli. G. Zeestraten & Sons, Oegstgeest, Holland.

Caladiums. C. L. Klissing Son, Barth, Germany.

Bulbs, begonias, hyacinths, tulips, Narcissus, etc. M. J. Guldemond, Lisse, Holland.

Gladioli, America, Mrs. F. King, Columbia. Ralston S. Jones, Holland, Mich.

Gladiolus, 2nd size fancy mixture, \$6.50 per 1,000. The Gladioli Specialty Association, Hampton, Va.

Bulbs. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Bulbs. McHutchison & Co., 17 Murray St., New York.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

CALLAS.

GODFREY CALLAS, 2 1/2-in., \$4.00 per 100. CONARD & JONES CO., WEST GROVE, PENNSYLVANIA.

CANNAS.

IMPROVED CANNAS. "There can be no question that could the florists see these cannas, they would be in every collection in the country."—John Welsh Young, referring to CONARD & JONES' CANNAS.

Mrs. Alfred F. Conard, pink, \$35.00 per 100. Begonia, red, 29.00 per 100. Gladiolus, variegated, 15.00 per 100. Meteor, red, 25.00 per 100. Rosa gigantea, pink, 25.00 per 100. Wm. Saunders, red, bronze leaf, 10.00 per 100. Mt. Blanc, near white, 10.00 per 100. Kate F. Deemer, yellow, 35.00 per 100. F. o. b. at headquarters for improved cannas. Write for complete list to THE CONARD & JONES CO., WEST GROVE, PENNSYLVANIA.

CANNAS—Fine 2 to 3 Eye bulbs. Robusta, Cinnabar and mixed, \$1 per 100. Sec. Chabane, \$1.50 per 100. Paul Marquant, \$2 per 100. Mile. Berat, Pres. Cleveland, \$2.50 per 100. Pennsylvania, C. F. Read, \$3 per 100. Henry George, Chas. Henderson, \$4 per 100. Marvel, David Harum, \$5 per 100. WAGNER PARK CONSERVATORIES, Sidney, O.

Cannas, ready to pot, delivery now or later. Florence Vaughan, Chas. Henderson, Egandale, \$2.50 per 100. Pennsylvania, Louisiana, large flowered, \$3 per 100. P. Pearson, 5732 Gumbison St., Chicago.

Cannas, Pillar of Fire, Jean Tissot, Express, and Hofgartner Hoppe, 2 and 3-eye \$30 per 1,000. J. E. Matthews, Sheboygan, Wis.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Cannas, C. Henderson, \$2 per 100. Jos. H. Cunningham, Delaware, O.

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Cannas. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Cannas, C. Henderson, \$2 per 100. Jos. H. Cunningham, Delaware, O.

CARNATIONS.

ROOTED CARNATION CUTTINGS. 150,000 in the following varieties ready for immediate deliveries:

	Per 100	Per 1,000
The Herald, scarlet	\$12.00	\$100.00
Rosette, dark pink	6.00	50.00
Wodeneth	6.00	50.00
Gloriosa, medium pink	4.00	35.00
Pink Delight, flesh pink	6.00	50.00
Conquest, overlaid pink	4.00	35.00
White Wonder, pure white	3.00	25.00
White Enchantress	2.00	20.00
White Perfection	3.00	25.00
Enchantress, flesh pink	3.00	25.00
Princess Charming, flesh pink	3.00	25.00
May day, deep flesh	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Washington, dark pink	3.00	25.00
(Sport of Enchantress)		
Alvina, very free	3.00	25.00
Victory, scarlet	3.00	25.00
Scarlet Glow, scarlet	3.00	25.00
Bondie, scarlet	3.00	25.00
Beacon, scarlet	3.00	25.00

CHICAGO CARNATION CO., 30 E. Randolph Street, Chicago, Ill.

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1,000
Enchantress	2.00	18.00
White Enchantress	2.00	20.00
Princess Charming	2.00	20.00
White Lawson	1.50	12.50
White Perfection	2.10	18.00
Winsor	1.50	12.50
Victory	1.50	12.50
Bondie (finest red)	3.00	25.00

WIETOR BROS., 162 N. Wabash Ave., Chicago, Ill.

Carnations, Northport, Enchantress Supreme, Salmon Beauty and Commodore, \$12 per 100; \$100 per 1,000. Charles H. Totty, Madison, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Carnation cuttings for immediate delivery. Extra strong plants from soil. Enchantress and White Enchantress, \$3 per 100; \$25 per 1,000. Write for prices on the following varieties from sand: Wodenoe, White Wonder, White Enchantress, Enchantress, Beacon, and Rose Pink Enchantress. J. D. Thompson Carnation Co., Joliet, Ill.

Carnation R. C. good stock out of sand or soil. Victory and Winsor \$15 per 1000. L. P. Enchantress, W. Perfection, \$15 per 1000. White Enchantress, \$17.50 per 1000. \$2.50 more for plants out of soil. 100 at 1000 rate. Write for prices on large lots. Cash or references. NORTHWESTERN FLORAL CO., Gross Point, Ill.

"Colorado Grown Plants Beat Them All."

Carnation Rooted Cuttings; Satisfaction guaranteed. Pure White Enchantress, \$25 per 1000; Enchantress and Victory, \$20 per 1000; 2-inch stock extra strong and healthy: Pure White Enchantress, \$30 per 1000; Enchantress and Victory, \$25 per 1000. ELITCH-LONG GREENHOUSES, Denver, Colo.

ROOTED CARNATION CUTTINGS.

We have 25,000 Enchantress and White Enchantress at \$18 per 1,000. Write for special prices on large lots.

SINNER BROS.,

82-84-86 East Randolph St., Chicago, Ill.
Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Dailledouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

Carnation cuttings, Enchantress, R. P. Enchantress, May Day White Enchantress, Lady Bountiful, Queen Louise, White Perfection, G. P. Bassett, \$3 per 100; \$25 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, Champion, \$12 per 100; \$100 per 1,000; 2,500 for \$237.50; 5,000 for \$450. Yellowstone and Yellow Prince, \$3 per 50; \$10 per 100; \$80 per 1,000; \$178.50 per 2,500; \$350 per 5,000. F. Dörner & Sons Co., La Fayette, Ind.

Carnations, R. C., out of sand or soil; good stock, Winsor, Victory, \$13 per 1,000; White Perfection, Pink Enchantress, \$15 per 1,000; White Enchantress, \$17.50 per 1,000; \$3 more for stock from soil. Cash or references. Northwestern Floral Co., Gross Point, Ill.

10,000 Pink Enchantress cuttings, from soil, \$25 per 1,000. Paul E. Weiss, Maywood, Ill.

Carnations, chrysanthemums, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnation Commodore, \$12 per 100; \$100 per 1,000. E. G. Hill Co., Richmond, Ind.

Comfort carnation cuttings, \$4 per 100; \$30 per 1,000. S. M. Merwarth & Bros., Easton, Pa.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

"Colorado Grown Plants Beat Them All." Chrysanthemum Rooted Cuttings, Early, Mid-season and late varieties: Yel. Bonaffon, Thurlke, Appleton, Halliday, Silver and Golden Wedding, Monrovia, White and Yellow Eaton, Golden Glow, Nolin, Robinson, White and Pink Ivory, DeKalb, Helen Frick, Maud Dean, Tousey, Vivand-Morel, Enguehard and Rosiere, \$2 per 100; \$15 per 1,000. April delivery. ELITCH-LONG GREENHOUSES, Denver, Colo.

FOR SALE—Chrysanthemums, Smith's Advance, Pacific Supreme, \$1.50 per 100; \$12 per 1,000. Rooted cuttings, Vinca variegata, \$5; 2-in., \$8. Mme. Salleron geranium, \$5; 2-in., \$8. Mrs. F. Sander daisies, \$2; 2-in., \$4. D. W. Leatherman, Anderson, Ind.

Chrysanthemums, rooted cuttings, Golden Glow, Oct. Frost, Pacific Supreme, Major Bonaffon, \$1 per 100; Chas. Razer, best white, \$1.50 per 100. Edward Wallis, Berlin, N. J.

Chrysanthemum Ramapo, 2½-in. plants, \$2 per doz.; \$15 per 100. Charles H. Totty, Madison, N. J.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, Chrysolora and Roman Gold, \$4 per 100. The E. G. Hill Co., Richmond, Ind.

Chrysanthemums, rooted cuttings, Erie Floral Co., Erie, Pa.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, 10 vars., 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, Verschaffeltii and G. Redder, 60c per 100. The Erie Floral Co., Erie, Pa.

Coleus, A. N. Pleson, Inc., Cromwell, Conn.

CYCLAMEN.

CYCLAMEN GIGANTEUM, finest strain in existence, including GLORY OF WANDSBEK, finest salmonium, orchid flowering. Recent strong transplanted seedlings, \$3.00 100; \$25.00 1,000. Cash, please.

Robert & Radke, Maywood, Ill.

Cyclamen, in full bloom, 5 to 7-in., 35c to 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

DAHLIAS.

Dahlias, 100,000 field-clumps; 100 varieties of cream. Get list. Benj. Connell, Florist, Merchantville, N. J.

Dahlias, standard and new cut flower varieties. Lindhurst Farm, Hammonton, N. J.

DAISIES.

Shasta daisies, field-grown, strong plants, 75c per 100; \$6 per 1,000; Clumps, \$1 per 10; \$5 per 100; \$40 per 1,000. Cash with order or C. O. D. Write for Nursery Stock price list. E. J. Sheffield, Alvin, Texas.

Daisies, Mrs. F. Sander, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

DRACAENAS.

Dracaena indivisa, fine large 3-in., \$5 per 100; 4-in., \$7 per 100. Ready to shift. Cash. John Bauscher, Jr., Freeport, Ill.

Dracaena Massangeana, 6-in., \$1 to \$1.75 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracaena, Linden and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz. Vaughan's Seed Store, Chicago and New York.

Dracaenas, Meredith Flower and Vegetable Co., Libertyville, Ill.

Dracaena indivisa, 4-in., \$10 per 100; 5-in., \$15. J. E. Mathewson, Sheboygan, Wis.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

EASTER PLANTS.

Easter plants: Azaleas, novelties in pans, primroses, begonias, asparagus, hyacinths, Easter lilies, Cineraria Hyb. Grandiflora, araucarias, daffodils, tulips, Ipomea noctiflora, Ficus elastica, Hydrangea Otaksa, Cyclamen, Primula Obconica, Dracaena terminalis, Kentia Belmoreana, aspidistras, ferns, all kinds, ferns for dishes, Spirea Gladstone. For prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Easter plants: Lilies, rhododendrons, hydrangeas, new French hydrangeas. Roses: Baby Ramblers, Orleans, Phyllis, Baby Pink Rambler, Lunita, pink rambler roses, Crimson Rambler, Hiawatha, Tausendschon, Baby Tausendschon Hybrid roses, Spirea Gladstone, genistas, double daisy Mrs. Sander, marguerites, lily of the valley. For prices see advertisement elsewhere in this issue. Robert Craig Co., 4900 Market St., Philadelphia.

Roses in bloom for Easter, Lady Gay, Excelsa, Tausendschon, Hiawatha. Flower of Fairfield, White and Pink Dorothy Perkins, Delight, American Pillar, 7 to 8 in., \$1 to \$6 each. Crimson Rambler, Phyllis, Orleans, Jessica, 5-in., 50c to 75c each. Erna Tschendorff, 5-in., 75c each. Hydrangea Otaksa, 7 to 8-in., \$1 to \$2.50 each; New French Vars., 4 to 6-in., 75c to \$1.50 each. Rhododendrons, \$1 to \$2 each. Vaughan's Seed Store, Chicago and New York.

Easter plants, Baby Ramblers, Orleans, Jessica, Dorothy Perkins, Tausendschon, Spireas, Azaleas, Kalmias, Primula Obconica, Genistas, lily of the valley, cyclamens, Easter lilies, rhododendrons, funkias, Kentia Belmoreana, Phoenix Roebelenii, rubber plants, Araucarias, boxwood, aspidistras, Pandanus Veitchii, Crotons. For prices see advertisement elsewhere in this issue. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Easter stock: Lilies, hydrangeas, azaleas, spireas, Baby Ramblers, White Ramblers, cinerarias, cyclamen, primroses, hyacinths, tulips, Von Sion, princeps, narcissus, geraniums. For prices see advertisement elsewhere in this issue. Geo. A. Kuhl, Pekin, Ill.

Easter plants: Rose Tausendschon, 6, 7 and 8-in. pots, 75c to \$2 each. Yellow Rambler, 25c to 50c each. Lady Gay, 5 and 6-in., 35c to 75c each. Pink Rambler, 5-in., 25c and 35c each. Hermosa, 5-in., 25c and 35c each. Spirea Gladstone and Japonica, 5, 6 and 7-in., 35c, 50c and 75c each; Alexandra and Peach Blossom, 50c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Easter plants, 30,000 lily plants, 10 to 15 inches high, 10c per bud; 18 to 20 ins., 12½c per bud; 24 to 30 ins., 15c per bud. Spirea Gladstone, 5 to 7-in., 35c to 75c. Rambler roses, 50c to \$1 each. Genistas, 5-in., 50c each; \$5 per doz. Cyclamen, 5 to 7-in., 35c to 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

Easter plants: Azaleas, tulips, hyacinths, ericas, Easter lilies, hydrangeas, lily of the valley, Crimson Rambler, Wartburg, Dorothy Perkins, hybrids in variety, rhododendrons, Spirea Gladstone and Queen Alexandra, Anton Schultheis, College Point, N. Y.

EUONYMUS.

EUONYMUS VARIEGATA RADICANS

JAPONICA,

2½-in. pots, 5c.

3 and 4-in. pots, 10c.

CONARD & JONES CO.,

WEST GROVE,

PENNSYLVANIA.

FERNS.

FERNS.

Scotti, 2½-in., \$4 per 100; Elegantissima Improved, \$5 per 100; \$45 per 1,000. Boston, \$4 per 100; \$35 per 1,000.

DWARF FERNS FOR FERN DISHES. These dwarf ferns are used by the hundreds of thousands to fill dishes for table decorations. Our sales each year exceed fifty thousand plants. Our stock is in prime condition, ready to use at once. We offer 9 choice varieties, Pteris Cretica, Albolineata, Victoria, Wilsoni, Mayii, Pteris Multiceps, Aspidium Tsussimensse, Strobilidi, Wimssetti, Cyrtomium Falcatum or Holly Fern, Price 50c per doz.; \$3.50 per 100; \$30 per 1,000. Our new catalog giving prices on ferns, roses and all other plants ready now. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World.
Box 18, Springfield, Ohio.

ROOSEVELT FERNS.

2½-in., \$6.00 per 100.

CONARD & JONES CO.,

WEST GROVE,

PENNSYLVANIA.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$3 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Ferns for dishes, assorted, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rates. Frank Oechslein, 4911 W. Quincy St., Chicago.

Boston ferns, 2½-in., bushy plants, ready to shift, \$2.75 per 100. Cash. John Bauscher, Jr., Freeport, Ill.

Five thousand Boston fern runners, 2-in., \$2 per 100. Campbell, The Florist, Chill Ave. and Thurston road, Rochester, N. Y.

Ferns. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, Boston. For sizes and prices see advertisement on front cover page. Vaughan's Seed Store, Chicago and New York.

Ferns, Meredith Flower & Vegetable Co., Libertyville, Ill.

Small ferns, 2½-in., \$3.50 per 100; \$30 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FEVERFEW.

Feverfew, large double white, R. C., 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

FICUS.

Ficus pandurata, 6-in., \$3.50 each. Elastica, 6-in., 75c to \$1 each. Poehlmann Bros. Co., Morton Grove, Ill.

Ficus elastica, 4-in., \$25 per 100. Storrs & Harrison Co., Painesville, O.

GERANIUMS.

GERANIUMS.

Good, healthy, fall-rooted plants from 2½-in. pots at \$3 per 100; \$27.50 per 1,000, except where noted; Beaute Poitevine, Marquis de Castellane, S. A. Nutt, Jean Vland, La Favorite, A. Ricard, Mme. Landry, Mrs. E. G. Hill, Heteranthus, M. Jaulin, Red Wing (6c each). Our new catalog of everything you need mailed upon application. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World.
Box 18, Springfield, Ohio.

NEW AMERICAN BEAUTY.

For the first time we are offering this wonderful new geranium to our many customers. Write for colored cut and prices on large lots, 2½-in. pots, 50c; \$5 per doz.

JOHN BAUSCHER, JR.,

Arcade Addition, Freeport, Ill.

Geranium Scarlet Bedder, \$1.50 per ten; \$12.50 per 100; \$100 per 1,000. Elmer D. Smith & Co., Adrian, Mich.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Geraniums, La Favorite and Mme. Buchner, 2½-in., \$20 per 1,000. J. E. Mathewson, Sheboygan, Wis.

Geraniums, S. A. Nutt, 2½-in., \$2.75 per 100; \$25 per 1,000. Meredith Flower & Vegetable Co., Libertyville, Ill.

Geraniums, S. A. Nutt, extra large 2½-in., ready for shift, \$2.50 per 100; \$23 per 1,000; large 3-in., \$4 per 100; \$35 per 1,000. Cash. John Bauscher, Jr., Freeport, Ill.

S. A. NUTT.

Strong selected top cuttings well rooted, \$1.50 per 100; \$14 per 1,000. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, S. A. Nutt, and 4 others, 3-in., \$4 per 100; 2½-in., \$3. Jos. H. Cunningham, Delaware, O.

Geraniums, Ricard and Poltevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. B. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Greens, ferns, etc. For prices see advertisement elsewhere in this issue. Crowl Fern Co., Millington, Mass.

Greens, ferns, \$1.35 per 1,000; 2,000, \$2.60; 5,000 or more, \$1.20 per 1,000. Robert Groves, 127 Commercial St., Adams, Mass.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Magnolia leaves, cypres leaves, American oak sprays, fuscus. Oscar Leistner, 17 N. Franklin St., Chicago.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

HARDY PERENNIALS.

Hardy perennials. Ask for Surplus offer of 500 varieties at BARGAIN PRICES. 50 per cent less than wholesale rates. Void after March 15. ACT QUICKLY. Palisades Nurseries, Sparkill, N. Y.

HYDRANGEAS.

HYDRANGEAS.

New Forcing Hydrangea Arborescens Grandiflora Alba or Hills of Snow.

For forcing or immediate sales; 1-yr. field-grown, 12 to 18 inches, 2 canes, \$1.25 per doz.; \$8 per 100; \$75 per 1,000. Select, 2 to 3 canes, \$1.50 per doz.; \$10 per 100; \$90 per 1,000. 2-yr. field-grown, 18 to 24 inches, 2 to 3 canes, \$2 per doz.; \$14 per 100; \$120 per 1,000. Our Catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangeas, new French. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Hydrangea Otaksa, field-grown, 3 to 10 shoots, 10c to 35c. The Erie Floral Co., Erie, Pa.

IVIES

ENGLISH IVY.

2½-in. pots, \$5.00 per 100.

CONARD & JONES CO.

WEST GROVE, PENNSYLVANIA.

English ivy, strong, 3-in. stock. Write for prices. C. L. Reese, Springfield, O.

LILY OF THE VALLEY.

to import

Lily of the valley, the largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the valley. Grow Bruns' celebrated Chicago Market the finest forcing valley in America, \$15 per 1,000; \$9.50 per 500; \$5 per 250; Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MANETTI.

ENGLISH MANETTI STOCKS. A bargain, to close out surplus quick. Well rooted, carefully regraded and everything underseeded or not up to strictly first quality discarded. It pays to buy regraded, repacked stocks. We offer 5-8 mm grade at \$12 per single thousand; five thousand or more at \$10 per thousand. 3-5 mm grade, \$8 per thousand; \$65 per ten thousand, to close them up quickly. Orders can be filled the same day we get them. Wire and say whether to ship by freight or express. Jackson & Perkins Co., Newark, New York.

MARGUERITES.

MARGUERITES.

Mrs. F. Sander, 2-in., \$2.50 per 100; 3-in., \$5 per 100; Alexandra and large flowering and California single, 2-in., \$2 per 100; 3-in., \$4 per 100. ROBER & RADKE, Maywood, Ill.

New double marguerite, Mrs. F. Sander, 2½-in., \$2.50 per 100. Large yellow winter flowering and Queen Alexandra, 2½-in., \$2 per 100. Cash. John Bauscher, Jr., Freeport, Ill.

MOSS

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

Moss, one 10 bbl. bale, \$3.50; two 10 bbl. bales, \$6.50. The Ocean County Moss and Peat Co., P. O. box 11, Waretown, N. J.

Sphagnum moss. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture. American Spaw Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock. Storrs & Harrison Co., Painesville, O.

SHRUBBERY.

There are bargains to be had here in such varieties as spiraeas, altheas, weigelas and philadelphus, and this names only a few. We have acres of shrubs, well grown and ready for you. Write for price list.

The Conard & Jones Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

ONION SETS.

Choice reselected ONION SETS, red, \$1.50; white, \$2; yellow, \$1.40 per bushel of 32 lbs. J. C. Zaplewski & Co., Growers, Norwood Park, Ill.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

ORANGES.

ORANGE OTAHEITE.

From 2½-in. pots, \$3 per 100; \$27.50 per 1,000. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Osmundine (Osmunda fibre or orchid peat.) The C. W. Brownell Co., Walden, N. Y.

PALMS.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms, 5 Latania Borbonica (7 ft.); 2 Sago (20 ft.); 1 Phoenix (7 ft.). \$15 to \$20 f. o. b. Washington, Gallaudet College, Washington, D. C.

Palms, Kentia Bel. and Fors., all sizes from 4 to 12-inch, 35c to \$15 per plant. Pochmann Bros. Co., Morton Grove, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hancock, Wynote, Pa.

Palms, of all kinds. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. McHutchison & Co., 17 Murray St., New York.

Palms. Storrs & Harrison Co., Painesville, O.

PANSIES

Pansies, \$2.50 per 1,000. Elmer Rawlings, Ocean, N. Y.

PEONIES.

PEONIES.

"Peonies for Pleasure." This book of "Peonies for Pleasure" gives information on peony history; soil and plants to use; how and when to plant; fertilizers and how to apply, and describes the most extensive planting of really valuable Peonies ever gathered together under the sun; describes the old and the new as well as the plebeian and aristocrat of the Peony family. If you want information on the plant that stands next to the Rose in beauty, that is practically known to the amateur as simply a red, white and pink Peony, then send for "Peonies for Pleasure." We also issue a special wholesale price list of Peonies for Fall Sales, 1913. Send for both of these booklets. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

Peonies. W. & T. Smith Co., Geneva, N. Y.

RHODODENDRONS.

Rhododendrons, 10 car loads of Rhododendron maximum, 2 to 5½ ft. high, nursery grown or transplanted 3 yrs. or more, \$350 a car load of 200 plants. Lowland Rhododendron Farm, Kingston, R. I.

POINSETTIAS.

POINSETTIAS, about 1,000 strong 2 and 3-year-old stock plants at \$5 per 100. Cash. please. Heint & Weber, 1640 Plum St., Terre Haute, Ind.

PRIMULAS.

Primula Obconica, in bud, 3-in., \$4 per 100. Cash. John Bauscher, Jr., Freeport, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

ROSES.

ROSES. Fine healthy stock, 2-inch, Helen Gould, Mrs. B. R. Cant, Pink and White Cochet, Gruss an Teplitz, Wellesley, Etrole de France, Mme. A. Chateau, Kaiserin, Duc de Brabant, Vis. Foldstone, Hermosa, Pink, Red and White La France, Mrs. De Graw, Burbank, Champion of World, Mrs. S. McKee, Apricot, Deegan, Glo. Exp. Bruzels, 2-in., \$3 per 100. Bride, Bridesmaid, Clo. Souper, S. de P. Notting, M. Lambert, Coq. des Blanchés, Emp. China, Climbing Clo. Souper, 2-in., \$2.50 per 100. Our selection of varieties all labeled true to name, \$20 per 1,000. ORDER NOW. WAGNER PARK CONSERVATORIES, Sidney, O.

STOCK FOR SALE.

ROSES—For Summer Bedding—Bessie Brown, Pink Maman Cochet, White Maman Cochet, Gruss an Teplitz, Helen Gould, Hermosa, Helen Gould, K. A. Victoria, Lady Hillington, Miss Alice de Rothschild, Mrs. Taft, (Antoine Riviere), President Taft, Klara Reid, Radiance, Wm. R. Smith and all other bedding Roses from 2½ and 4-in. pots. Our new catalog giving prices on all roses and other plants ready now. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

Roses, grafted, Richmond, White Killarney, Bride, Kaiserin, Pink Killarney, Bridesmaid, 2½-in., \$10 per 100; \$100 per 1,000. Own root, My Maryland, Pink Killarney, Richmond, Perles, White Killarney, Kaiserin, 2½-in., \$5 per 100; \$47.50 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Roses, grafted and own root. For varieties and prices see advertisement elsewhere in this issue. Pochmann Bros. Co., Morton Grove, Ill.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Leedle Floral Co., Springfield, O.

Rose Mrs. Geo. Sawyer, own root or grafted, \$30 per 100; \$250 per 1,000. The E. G. Hill Co., Richmond, Ind.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. S. S. Skidelsky & Co., 1215 B-2 Bldg., Philadelphia.

Roses. 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Announcement.

King Semi-Iron or Pipe Frame Greenhouses.

In addition to our well known line of King Iron Frame Greenhouses, we now offer a line of **SEMI-IRON OR PIPE FRAME GREENHOUSES** fully developed and perfected during the past four years.

Bulletin No. 40, just off the press, contains 24 pages of illustrations and descriptions. **Send For It.**

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Rooted cuttings, *Ageratum*, *Stella Gurney*, 60c per 100. *Daisy*, Mrs. F. Sander, \$1 per 100. *Hydrangea Otaksa*, \$1 per 100; *Vinca Var.*, 75c per 100. *Edward Wallis*, Berlin, N. J.

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THE SAWYER ASTERMUM—Eight years of strict selection places it on the mountain top of perfection, in color, size and profit. Price (cash with order), \$8 oz.; \$4.50 ½ oz.; trade pkg., 1,000 seeds (not mixed), \$1. Colors: White, pink and lavender. Send for cuts and description. **ALBERT A. SAWYER**, Forest Park, Ill.

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Shamrocks, 1 and 1½-in. pots, \$4 per 100; \$35 per 1,000. 4-in. pans, \$1.50 per doz. *Leonard Cousins, Jr.*, Concord Junction, Mass.

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Smilax, 3 times cut back, 2½-in., \$1.50 per 100. *Cash. John Bauscher, Jr.*, Freeport, Ill.

Smilax, 2-in., \$1 per 100. *Elmer Rawlings*, Olean, N. Y.

Smilax. *Wood Bros.*, Fishkill, N. Y.

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Snapdragons, *Ramburg's* famous silver pink, rooted cuttings, \$2 per 100; extra strong 2½-in., \$3.50 per 100. *Addems, Morgan & Co.*, Paxton, Ill.

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800,000 vegetable plants, Cabbage, cauliflower, tomato (100 postpaid 60c), 1000, \$4. Beets, lettuce, asters (100 postpaid 35c), 1000, \$2. *Glicks Plant Farms*, Lancaster, Pa.

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Lemon verberna, rooted cuttings, 100 prepaid, 75c. *Chas. Frost*, Kenilworth, N. J.

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VINCA MINOR (trailing periwinkle). A hardy evergreen vine trailing close to the surface, forming a dense mat, thriving under trees where grass will not grow; useful for binding the soil on slopes to prevent washing, for covering graves, where the blue flowers contrast finely with the glossy green foliage. Well rooted plants, \$1.50 per 100; \$10 per 1,000; 5,000 for \$40. Samples on request. *E. Y. TEAS*, Centerville, Ind.

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Viola G. Wermig.—Resembles the *Princess of Wales Violet* so closely as to make it a splendid substitute in summer when violets are not to be had. In *Covent Gardens Market*, London, thousands of bunches are sold daily. Does well in all parts of the country and is perfectly hardy. Rooted cuttings from sand, \$2.50 per 100; 2-in. pots, \$4.50 per 100; 3-in. pots, \$6.50 per 100. *Palisades Nurseries*, Sparkill, N. Y.

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Will exchange 1,000 *Rose Pink Enchantress*, 2-in. stocky plants, for 1,250 *R. C. Beacon*, *Bonfire* or *Victory*. *The Nussbaumer Floral Co.*, San Angelo, Texas.

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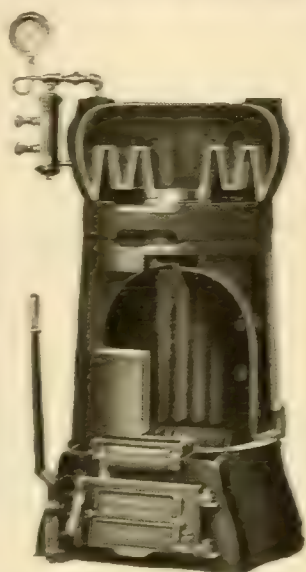
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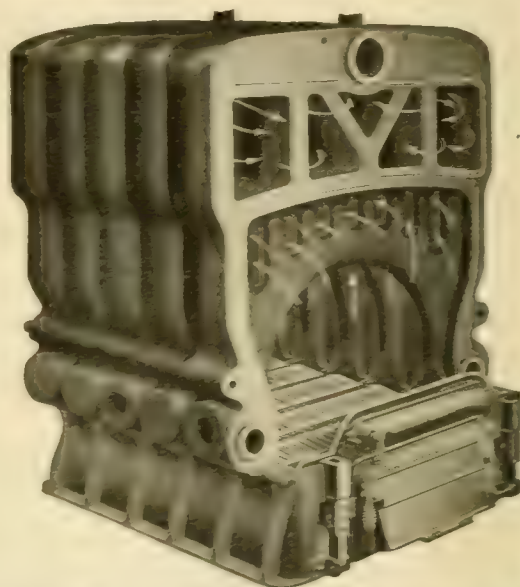
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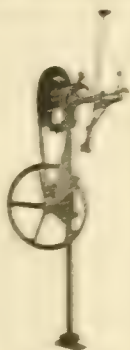
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...the fact that the great majority of the people are not interested in property relations. They get their property relations from the State. They are not interested in the property relations and the mechanical of the market. They are interested in the property relations. We must have a state of mind and satisfaction. Ask your neighbor to give you the best of the goods. If he does, he will be the best of the goods. He will be the best of the goods.

ADVANCE CO. = = Richmond, Ind.

— 21 —

1. The following information was obtained from the records of the Department of the Interior, Bureau of Land Management, regarding the status of the land owned by the United States in the State of California, as of January 1, 1934:

4. The Board of Directors shall have the authority to make any amendments to the Bylaws of the Corporation, subject to the approval of the stockholders of the Corporation. The Board of Directors shall also have the authority to make any amendments to the Bylaws of the Corporation, subject to the approval of the stockholders of the Corporation.

These findings suggest that growth in the number of students in the program is dependent on the availability of space in the program. The program is currently at capacity and the program is currently at capacity. The program is currently at capacity and the program is currently at capacity.

50% SAVED.

Pipes, Flues

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CHICAGO

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 Treasurer of the & J. H. W. L.
 The following persons were J. H. W. L.

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1000 750 pumpkins
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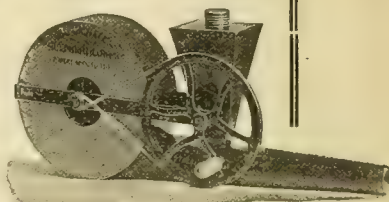
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Distributes Sulphur, Lime, Slug Shot, Grape Dust, Tobacco Dust, Paris Green or any other powdery substance. Does the work evenly, so every leaf receives its due proportion, without any being wasted. By using the Peerless, a 200-ft. greenhouse can be perfectly powdered in less than five minutes. Florists say:

"It's a great improvement over the bellows."

Ask your jobber for the Peerless or order direct from us. Price, \$4.00 F. O. B. Chicago.

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Kansas City.

WEATHER DISCOURAGING.

Severe weather of the last week has been discouraging to the grower and is making the retailer hustle to secure enough stock to supply the brisk demand. Funerals have been numerous and considering the fact that the Lenten season is here, the demand for other flowers is active. American Beauty roses are very scarce and go at \$8 to \$10 a dozen. Other roses are \$2 to \$2.50. Sweet peas are excellent.

NOTES.

We are pleased to know that Harry Miller, who has until recently been with an eastern greenhouse construction company, is looking for a location near Kansas City. We hope he will soon have a few thousand feet of glass. We need the product of many more places.

Harry Smith has completed his new house, 24x150 feet, at Englewood. Two more the same size will be rushed through. Mr. Smith is one of the younger florists and is a hustler. His products in the cut flower line are first class.

The florists' supply traveling representatives are here in bunches. It is a game of tag when five happen in on the same day.

The Sawvil plant is sure of a heavy carnation crop for Easter. They seem to have a "corner" on green goods in this section.

Wm. Bartien is taking an extended rest in care of a physician. We hope he will regain his former good health soon.

J. H. Boyd has completed a water-works system at his Spring Branch place.

What's in a name? Abraham Lincoln is on the pay roll at The Rosery. K. C. M.

AUBURN, NEB.—The work of rebuilding the burned portions of the Burlington View Greenhouses, C. G. Milam, proprietor, is practically completed.

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Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste)
Most Perfect White Paint Made.

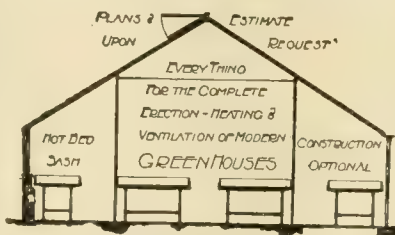
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Cutler Building, Rochester, N. Y.
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Manufacturers

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GREENHOUSES!

MATERIAL FURNISHED
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MEN TO SUPERINTEND
ERECTION IF DESIRED.

CYPRESS SASH BARS

ANY LENGTH UP TO 32' OR LONGER.

THE STEARNS LUMBER CO.,
NEWBURYPORT, MASS.

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The Way We Frame Our Gables.

A Greenhouse Construction Co.—not L. & B. Co.—last Fall built for a Providence Grower what he called “a sample house.”

It was supposed to be something very fine. I saw the owner last week. He was far from enthusiastic. He said some very forcible things about that sample house—the kind of things we would feel very badly to have said about one of ours.

Among other things that “irritated” him was the falling out of one gable, and smashing all the glass. He now has it propped up and braced so it looks like a scaffolding for a concrete wall.

Our gables are thoroughly iron framed to start with—then they are securely **bolted** to the purlins in such a way that the gable strain is distributed over the entire framework of the house.

There is a terrific suction pull on big gables that must be taken care of, **beyond all doubt.**

The secure way we frame gables is “a sample” of the way we frame our entire house.

How about trying one of our “samples” this year. Drop us a postal.

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Mary E. Marcy, proprietress of the Miles City Greenhouses at Miles City, Montana, in speaking of her two houses, each 34x100 feet, of Garland Construction says: "I think there is nothing finer in the state than these houses, and I hope to add several houses to the plant as soon as possible, and want to use only **Garland** material. They are well constructed and easily built."

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Let us show you what we have.

THE GEO. M. GARLAND CO.,

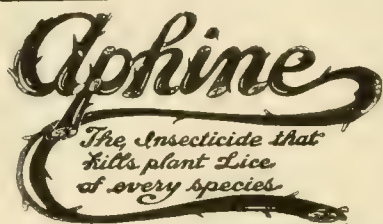
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The Recognized Standard Insecticide.
Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

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An infallible remedy for mildew rust and bench fungi. Unlike Bordeaux and lime, and sulphur it does not stain the foliage, but cleanses it.

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A soil sterilizer and vermicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used 1 part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

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Black ones too*

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For GREENHOUSES

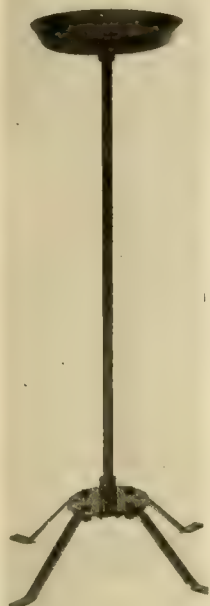
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Pedestal stand, made in
all heights from 1 to 4 ft.

are universally acknowledged by progressive florists to be the best ever put on the market. They are strong, light, practical and the prices are very reasonable.

See our exhibition of all the latest and best decorating appliances at the National Flower Show in New York City, April 5th to 12th.

Write for our handsome illustrated catalogue and price list of the Perfection Line.



Extension stand fitted with detachable tilting head. Holds any pot, pail or keg from 7 to 12 in. in diameter. Also fitted with pan top as shown on pedestal stand.

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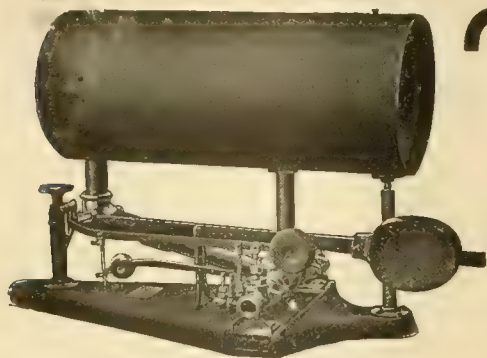
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Send for "Book on Condensation."

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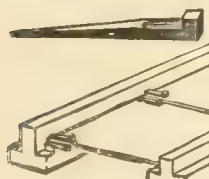
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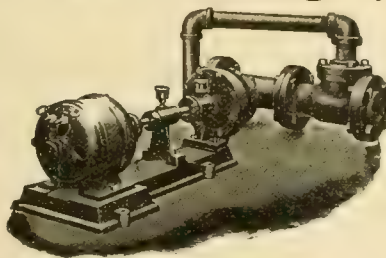
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Vol. XL

CHICAGO AND NEW YORK, MARCH 15, 1913.

No. 1293

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.
Long Distance Phone: Harrison 7465.

Registered Cable Address: Amflo, Chicago.
Subscription, United States and Mexico, \$1.00 a
year; Canada, \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August 3, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

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Pussy Willow.

Little pussy willow,
Robed in Quaker gray,
Open all your blossoms,
By the winding way.

Swaying in the breezes,
Gently up and down,
Graceful as a maiden
Charming all the town.

Coming in your beauty
Hear the wild birds sing,
All the children love you,
Early in the spring.

Coming in your beauty
Ere the wild birds sing,
All the children love you,
Harbinger of spring.

Faint pussy willow,
Robed in Quaker gray,
Open all your blossoms,
By the winding way.
—Boston Transcript.

SUGGESTIONS FOR PLANT GROWERS.

Sweet Peas.

A sowing of sweet peas made in pots late in March which can be transplanted outside as soon as all danger from late frosts is passed will give a crop of these flowers two or three weeks earlier than the seed sown in the ground. There is generally a time in late June and early July that the sweet peas in the greenhouses come very poor, owing to the excessive heat under glass and the infection of red spider and the early sowings outside are not yet in flower. Five or six seeds sown in a 3-inch pot and these placed on the sill or window ledge or on a hanging shelf will make nice stock for planting out after the middle of April and the advantage of those started in the greenhouse over the ones sown in the cold ground will be quickly seen upon trial. They can be grown so that they will take but little valuable room under glass and the extra expense of this and the labor in transplanting them will be more than recompensed by having fine flowers at a time when most of the stock is in poor condition.

The plants that are growing inside will require considerable attention as the sun increases in power, the growth is very rapid and the vines must be kept erect or crooked flower stems will be the result. They should be gone over every day, and where the growing shoots are getting away from the supports they should be fastened to them.

Tuberous Begonias.

For certain shady locations there is no plant that makes a better showing than tuberous begonias, and for the florist that has a greenhouse leading from the office they make a most beautiful plant to have during the summer months to attract the attention of the customer at a time when greenhouses are not at their best. The bulbs should be started in 3-inch pots in a good fibrous soil with little manure, but a generous proportion of leaf mold if obtainable, the top of the bulb just even with the soil. Place them in a warm location and do not water too heavily until leaf growth starts; as

soon as the leaves cover the pot trans-plant to 4-inch pots and the soil can then have a good amount of rotted manure incorporated in it. For bedding out purposes the 4-inch plants will be all right, but for inside growing they will have to be again shifted into 6-inch pots, being sure to give good drainage. An inch or more of broken crocks and charcoal is the practice of the best growers. Careful watering and shade during summer is all that is required.

Bedding Plants.

The plants for bedding out in the spring will take not only much of the plantsman's time, but will keep demanding more room, for the growth from now on will be rapid and unless constantly watched and cared for the plants will quickly get crowded and much of the stock injured. The final shift of the geraniums in the northern section of the country may be delayed until the first of April, but the plants should not be allowed to get badly potbound, and they should be given plenty of growing room. The propagating bed should be full of cuttings of the more rapid growing plants and the seedlings will have to be potted as soon as of proper size. The cannas and other bulbs that have been started should be potted and given good location for growing on. Now is the time to take account of stock and see of what kinds there is going to be a shortage and of what there will probably be an over supply and obtain the first and dispose of the second. This is the time to buy, for the stocks are large and shipments can be guaranteed, and the prices are low compared to what they will be a month hence. The amount of stock that annually goes to waste is large and a little foresight will prevent much of it. Every summer some growers throw away thousands of plants that have cost much in labor and should have made returns. Auction sales in some sections are the means of disposing of much of this stock, but this is generally at low prices. This stock can most all of it be disposed of by a little judicious advertising and letting

the other fellows know where it can be obtained. An attendant at any plant sale in early spring will find many growers looking for all kinds of stock. It is often quite difficult to know just how much of each kind of bedding stock is wanted, but as soon as an over supply is noted let the other growers know where they can obtain it, and place a price on it that will guarantee a sale. It is much better to move it at some price than to throw it away. The wide-awake, up-to-date growers clean up their stock every year.

Cyclamens.

The plants of cyclamen grown from seed sown last fall will now be nice, stocky little plants if properly grown and should be large enough to transplant to 2½ or 3-inch pots. The soil should be live fibrous loam with about one-third leaf mold, and in mixing a liberal sprinkling of sand should be included. In potting, the small bulb should be so placed that the soil just covers it; many leave the bulb out of the soil, but best results are obtained with the young stock to leave the bulb in the soil. Later after the bulb has grown large and mature, this is not so necessary. The plants should be placed in a cool house and if possible near the glass and where they can have all the ventilation possible. Just as soon as safe they should be removed to frames outside and plunged in the soil even with the rim of the pot. The cyclamen will not tolerate poor drainage and if anything happens to block the drainage the plant quickly sickens. This sometimes happens where the pots are sunk in the soil and is often caused by angle worms. Where these are seen or the appearance of lumps on the top of the soil denotes their presence, they should be removed at once. In the final potting, be sure and place plenty of crocks in the bottom of the pot.

Salvias.

There are few more popular plants for bedding purposes than the salvia and when properly grown they are a great ornament to a garden either as bed by themselves or as an edging for cannas or other tall plants, the dwarf varieties being especially adapted for this purpose. To make a showing in mid-summer the plants should be started early either by cuttings or seeds so that the plants at this time should be large enough for a 3-inch pot and should have been pinched back at least once and beginning to branch. These can be potted into 4-inch pots in April and will be showing bud by the time for planting them outside in June. Such plants of course cannot be sold as cheaply as the late sown seedlings that are grown closely together, and allowed to run up to a single stem, but it will not take so many of the former plants to fill the same space and the bed will be in flower through the summer and fall while with the latter too often there is no bloom until just before frost, and when the first frosts are early the plants are not in bloom but a few weeks. The early plants are much more satisfactory to the customer and will cost but little more owing to the larger space which they will cover during the season.

MISSOULA, MONT.—The Montana State Horticultural Society will hold its convention next year in this city.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

The Easter Window.

Place on a raised platform in about the center at the back of your show window an immense Easter egg made of white carnations. Ornament the tapering end with a cluster of lily of the valley in a small circle at top and place in the circle a little duck; have about six or eight larger ducks arranged in front of it in tandem style, to which narrow white satin ribbons are attached at the head; or tied around the neck of each duck with long streamers extending up to the little duckling nestling on the egg in the circle of lily of the valley. Attach the streamers to the beak of the small duck. At the back arrange clusters of Easter lilies in garden effect. Two small wheels can also be made and placed at either side of the egg to give it



Cyclamen Well Flowered.

still more the appearance of an Easter chariot drawn by the ducklings. These wheels will look pretty made of the lily of the valley. Use green moss as an under setting, or better still, the gray moss under the design and green moss around it to give the garden effect. Group pink and white tulips at one side of the window, using small ferns as a finish.

As selling novelties arrange a few Dresden china vases with lily of the valley, using a little boxwood for a green finish, nestling a little duckling in the middle of the flowers. The ducklings in this case can be attached to a long stiff wire which can be wound around each foot of the duckling and long enough to thrust in the soil. The small round baskets of pink or yellow straw—if you have none of this shade you can easily tint them yourself—look pretty planted with a single pink tulip in the center surrounded with white tulips; and vice versa; that is, a pink tulip in the center surrounded with white hyacinths. If a still further embellishment is desired a small pink satin nest of ribbon can be made by twisting the ribbon in strands to imitate a bird's nest and arranged with a little duckling in one corner of the basket, using strands of pink ribbon from the nest to gather around the basket and finish with a rosette on the opposite side of basket.

The round brown Japanese baskets look very attractive planted with a va-

riety of different colors of yellow tulips using some of the double deep orange specimens and some of the single yellows and a few variegated with a boxwood finish. Those brown Japanese wastebaskets will look well planted with a fine blue hydrangea, using a blue ribbon the color of the hydrangeas as a finish. The rhododendrons are also effectively arranged in tubs of dark brown or copper combined with hydrangeas of the pink variety. The old fashion window boxes are always good sellers. That is, the small basket designs with cut flowers, using a few tulips, hyacinths, freesia and narcissus with a border of violets, using the violet foliage as a finish.

A word about the Easter nosegay. The corsage bouquets are of good size and made flat and round, using as a rule two kinds of flowers. One recently seen had a deep yellow marigold in the center surrounded with Prince de Bulgarie roses. A gold flower holder was used and gold cord with tassels finished this pretty arrangement. Another had a red rose in the center surrounded with red butterfly sweet peas; the holder in this instance was also of gold, but one of silver would have looked equally well tied with silver cord. Still another had a gardenia in the center surrounded with pale lavender sweet peas with an outer circle of lily of the valley. Another pretty arrangement was of lily of the valley, stevia and stephanotis in a sectional effect surrounded with maidenhair encased in a white lace paper holder. One made of cattleya orchids was surrounded with lavender sweet peas. The popular fancy for violet corsage bouquets is always in combinations with some other choice flower, either an orchid, a specimen rose or lily of the valley. One seen recently had a cluster of pansies in the center and a circle of pansies surrounded the outer edge. It was finished with a lace tissue of lavender gauze.

A. E. K.

White Fly.

ED. AMERICAN FLORIST:

Is there any possible way to exterminate the white fly without using hydrocyanic acid gas?

J. H. T.

The Bureau of Entomology of the United States Department of Agriculture recommends hydrocyanic-acid gas, but where the use of this is impossible or for some reason undesirable, sprays are recommended as follows: "Among the sprays, the best brands of whale-oil soap, used in the proportion of one to one and one-half ounces per gallon of water, have been found to destroy all of the white flies except the eggs, a small percentage of the nearly mature pupæ, and from 25 to 50 per cent of the adults which escape the spray by flying from the plants. It is not advisable to syringe tomato plants in greenhouses at any time, when avoidable, as syringing interferes with pollination and produces a damp atmosphere which promotes rot, but the injury by syringing may be as nothing compared with that which is caused daily by the insects. When the use of hydrocyanic-acid gas is impractical, an all-night fumigation with a tobacco extract is recommended, followed during the next day by a syringing with a solution of whale-oil soap or its equivalent."



A CORNER IN THE STORE OF GEO. M. STUMPP, NEW YORK, JUST BEFORE EASTER.

The Gladiolus and Its Culture.

Paper read by B. Hammond Tracy before the Massachusetts Horticultural Society, March 8, 1913.

When I received the invitation to address you on the subject of "The Gladiolus and Its Culture," I was very glad to accept, as it affords me just one more opportunity to interest the flower-loving public in this magnificent flower. During recent years much has been said and written in regard to its history and development, but I shall confine myself in my talk this afternoon to its culture and uses. The gladiolus commends itself to every one, because of its easy culture and its long period of bloom. No flower should be neglected, but the gladiolus can be planted and neglected. Even though the weeds are not cleaned from the bed, they are bound to find a way to the surface, and with a spike strong enough to be found amongst the weeds. So for this reason, many a gardener who has at times to neglect his garden, or at least parts of it, finds the gladiolus will survive and come forth with an abundance of bloom.

In order to have a long season, it is well to plant the bulbs very close together in flats or boxes of loam, or better yet, in cocoanut loam. You can gain at least a month in this way. They transplant very easily and all that is needed is moisture to induce the bulb to start roots. It is better to keep the boxes in a partially shaded position, and not too warm, so as to start root growth rather than the spike. When the spike starts, as it always does on some varieties, in the early spring, it is well, when planting, to clean off all the husk, as it starts roots much quicker than when planted with the husk on. In fact it is always better to clean off the husk when planting after May 1, but before this I should advise leaving the "jack-et" on, as the ground is cold and the bulb seems to do better if not entirely exposed to the cold soil. Bulbs can be planted in the open as soon as the frost is out of the ground, without danger, for by the time the spike reaches the top of the ground all danger of frosts will be past. The bulbs which you have started in the boxes should not be planted out until all danger of frost is past. You will find it quite an advantage to have some ready to plant in spots where some seed has failed to germinate, or in some corner in front of shrubbery.

By continuous planting at intervals of two weeks, up to June 15 or even as late as July 1, one can have a continuous succession of bloom from early July until frosts. A better way for a bed of continuous bloom is to plant all at one time, but different sized bulbs. I mean by this, say for instance, if you were planting America, have some bulbs that do not quite measure one inch in diameter, and then running up to the very large bulbs. By so doing you would have perpetual bloom, for the large bulbs would bloom first and the smaller ones follow along as fast as they mature. This does away with making several plantings at different times, which is not nearly so convenient, especially if you want to have something planted in amongst the gladioli.

It is not necessary to buy the most expensive varieties, especially when one wants them for cut flowers or for garden decoration. In order to have a large named collection, one must buy the more expensive varieties, as new and rare kinds must be expensive. A good mixture gives splendid results, but if one cares to carry out a color scheme it is much better to buy named varieties of a certain color, but in this case also, it is not necessary to produce the effect with the most expensive varieties. One of the most essential things to know is the habit of growth of the different varieties, so that you may select something which will give the desired effect. If cut bloom is wanted as well as garden decoration, the varieties with slender and more or less twisted and crooked stems will give the best results for vase arrangement. The flowers will answer a double purpose when grown in the garden if, after two or three flowers have opened, you cut the spike and take it into the house for further development. In this way you have the garden effect for a time and the pleasure in the house as well, at the same time keeping your garden in a neat

and tidy condition. When any flower is left in the garden to bloom to its limit, it gives a ragged and unkempt appearance.

When color alone is wanted in the garden, the best varieties for this purpose are those with a strong, vigorous growth of spike, as these will stand up without staking and will bloom almost to the end before it has a ragged appearance. A few of the varieties for this purpose are Independence, Mrs. Francis King, Dawn and America in the pink section, while lighter varieties giving splendid effects are Jean Dieulafoy, I. S. Hendrickson and Augusta. In yellows, Sunrise, Canary Bird, and Madam Lemoinier or Golden Queen. In purples, Baron Hulot, Royale and Scarsdale for mauve. Harvard and Cracker Jack for rich dark reds, and Breckleyensis and Mrs. Beecher, also Princess, for brilliant reds. For a color combination, you will find nothing better than a planting of America, Sunrise and Baron Hulot; another good one is a bed of Cracker Jack, Isaac Buchanan and Augusta. These same combinations make most effective bouquets. There are many other combi-



GLADIOLUS ROCHESTER WHITE

nations that are good for massing, but I have mentioned those which I consider superior and yet at a moderate price. I am much in favor of large plantings, and for this reason advocate the more reasonable priced ones. Too much cannot be said of the sterling qualities of Independence. It is such a remarkably strong variety, and the color holds so well in sun and storm, as well as the flowers. The foliage is always a deep rich green, in perfect contrast with the brilliant rose pink of the flowers.

But few people plant their bulbs close enough together. It is much better to do so, as they help support each other, and when in bloom you have a wealth of color and the foliage covers up the bare ground. This effect cannot be produced when they are planted too far apart and give a straggly appearance. Let me repeat again—that to get the best results, whether your bulbs are mixtures or named varieties, you must plant bulbs of considerably different size, some large, some small. You will get better results and you will get a longer period of bloom. Yet I am afraid if your seedsman should make you such a shipment, without explanation, he would receive word from you that some of the bulbs sent were too small. Whenever it is possible for me to explain this to my customers I do so, but otherwise it would be impractical for us to make a shipment without grading the bulbs as to size. The essential thing is that the bulbs are of blooming age rather than size.

Splendid effects may be produced by planting a bed of snapdragons and gladioli, setting out the plants at the same time you plant the bulbs, with due regard for the combination of color when in bloom. The bulbs will soon come up, the snapdragons will cover the ground so that a few bulbs will cover a greater space. It is not well to plant bulbs among flowers which give too much shade to the bulb in the early stages of growth; that is to say, in peony beds or in thick rose beds. If the rose bushes are scattered in a bed there is no better flower to grow among them than the gladiolus. They will do well planted among almost any annual and much better garden effects can be derived by planting in this manner. But you must bear in mind that the bulb must have the advantage of being started before the other flowers shade the ground.

When the gladiolus blooms are wanted purely for cut flowers the best place for planting is in the vegetable garden, planting them two or three inches apart in the row, rows far enough apart to permit of thorough cultivation, and at least five or six inches deep, according to the size of the bulb. To get the best results you must plant deep, for the new bulb forms on top of the one you plant before it blooms, and in order to get the ground support for the roots as well as for the flower spike it must be planted deep. I plant a great many of my bulbs eight inches deep, especially when I want exhibition blooms. When planted shallow, the first wind storm blows over the spike, naturally loosening the bulb and breaking off some of the roots, thereby losing



GLADIOLUS AMERICA.

vitality and giving inferior bloom, if it blooms at all. When planted deep it takes a longer time for the spike to reach the top of the ground and the soil should be worked over and kept loose. I do not know that this is any more essential for the gladiolus than it is for any flower. I have said nothing about the preparation of the soil, as they will do well in any garden, in any soil, prepared as any garden should be. I wish that the gladiolus might be grown this year in every garden, and I also wish that my suggestions as to planting and cutting might be followed, for I feel sure that the results would guarantee satisfaction.

OSHKOSH, WIS.—The Oskosh Horticultural Society went on record as favoring standard sizes in fruit and berry boxes at the March meeting.

CAMBRIDGE, MASS.—The Harvard Co-operative Society has started a flower shop as a result of agitation by students who complain of exorbitant prices charged by regular florists.

The Gardens of Bulgaria.

The Bulgarians are really the Americans of Europe. They have our system of universal education; they resemble us in their mercantile pursuits, while they are far in advance of us in gardening. Readers know that I believe that one of the greatest opportunities which we Americans have to reduce our cost of living, is the "back yard." I therefore urge on all occasions the planting of back-yard gardens. If I could only take you to Bulgaria and show you some real back-yard gardens! These people are simply to-day fighting for their back-yard gardens. The men who have been directing the affairs of Bulgaria for the past thirty years are practically all graduates of Roberts College which was established and has long been maintained by Americans. Most all of the teachers in this college have been Americans and our ways and ideas have permeated Bulgaria from one end to the other.—Roger W. Babson in New York Times.

THE CARNATION.

The Young Stock.

The young stock for the coming season is the most important item to the grower at this time of the year, for an abundant stock of healthy young plants will be required in order to keep up the standard, and there is a much more comfortable feeling on the part of the grower if there is likely to be some surplus in the field at lifting time than where there is a shortage. There is much difference between varieties in the matter of producing cuttings, some sorts giving an abundant supply without regard to the soil in which they are planted, while others will give few cuttings at any time, and less than usual when they are grown on light soil. Where space can be spared for the purpose it doubtless pays to cut back some plants for cuttings only, thus insuring some strong stock from those varieties that do not otherwise produce many cuttings, the cut-back plants devoting their entire strength to producing cuttings and giving the latter at the time they are most needed.

The end of February is quite late enough to put in cuttings, for that does not give much time for the plants to grow before they are put out in the field, and if one could arrange it so, it would be better if the last lot of cuttings were not put in the sand later than February 1. Clean sand, sufficient moisture, protection from sun and wind, and a temperature as near to 50° as possible at all times are the essentials in propagating carnations; and, given some short jointed and sturdy cuttings that are not too hard at the bottom, there should be little difficulty in rooting them in about three weeks. Referring to the difficulty of getting a sufficient supply of cuttings from certain varieties, it may be noted that Pink Delight is one of the varieties that makes very few cuttings on the flower stems, and indeed some growers find some difficulty in rooting those they do get, perhaps from the fact that this variety frequently makes a rather hard heel at the base of the young shoots. If this hard heel is cut away, there is much less trouble in rooting the cuttings.

White Wonder is another of those wiry growers that make few cuttings and anyone requiring much stock of this fine white would do well to cut back some plants for the purpose. White Wonder has proved to be a very satisfactory variety in many places this season, and seems to be a better grower than its forebear, White Perfection, though not quite so symmetrical a flower as the latter variety. Gloriosa is the finest exhibition pink up to this time, having a lovely color and a magnificent stem, but in most places there is found some difficulty in making a good plant of this variety, with the result that it has not proved to be a remunerative carnation for the average grower. There are doubtless some soils that will give better results with Gloriosa than has been had in this section, and there are also some growers that may make it pay, but the average establishment has not made much money from this remarkable carnation. Rosette seems to be gaining friends as it becomes better known and is a striking cerise color. It is a

good grower, healthy and strong, and although there are some off-colored and imperfect flowers to be found on this variety at times, yet it is practically a non-bursting variety, the flowers having few petals in the center.

Rosette is of fair size, stiff stem and lights up well at night, and on the whole there are several reasons for



Gladiolus Early Bird.

growing it, though it must be remembered that cerise is not so popular a color as pink. Among the variegated varieties Benora takes the first place at present, having good form, good size, fine stem and attractive coloring, though like all variegated varieties is in limited demand in most markets. St. Nicholas has given some fine flowers, a really beautiful scarlet when good, but seems a little shy on constitution and for this reason will be

found in the discard in numerous establishments. Delhi is another scarlet that does not quite reach up, for while it is free enough in growth, in fact, rather grassy, yet the color is not bright enough for a discriminating market. There is still room for a good scarlet, except in those localities where Beacon does its best, and where that happy condition exists there is not much room for scarlets for commercial purposes, outside of that variety.

W. H. TAPLIN.

Society of American Florists.

MINNEAPOLIS CONVENTION

Minneapolis, Minn., is making most elaborate preparations for the 1913 convention of the Society of American Florists which is to take place August 19-22. An efficient local organization has been formed to take charge of the arrangements for the meetings and all its various committees are hard at work upon the details. These committees have enlisted the co-operation of the Minneapolis Civic and Commerce Association, the chief civic and commercial body of the city. Everything will be in readiness for the most successful convention in the history of the trade when the first delegates arrive. Officers and directors of the national society met in Minneapolis in February, and in company with the local committee, visited the National Guard armory and coliseum, which will be the scene of the exhibition and the sessions of the convention. The national officials approved the arrangements being made by the local committee, including a number of surprises being prepared for the visitors. At the time of these conferences, it was estimated that fully two thousand persons would be attracted to Minneapolis by the gathering of the florists.

Minneapolis is famous as a year-around convention city, but its unparalleled natural beauties are at their best in August, when the florists will be the city's guests. All of the famous show spots of the city are easily available from the business center and a most attractive visit is promised to those persons who come for the sessions of the florists. The city is located at the geographical center of North America. Its excellent transportation facilities make it easily accessible from all parts of the United States. The trains on the lines running between Minneapolis and Chicago surpass in equipment any steam trains to be found anywhere in the world. Minneapolis always has been a magnet for conventions and for tourists. Its accommodations for visitors are ample for the largest delegation. Its hotels have kept pace with the growth of traffic and today the city is better prepared than ever before comfortably to accommodate visitors. Hotels of other years have been enlarged and improved generally, while five splendid new hostleries, costing about five million dollars have been erected in the past five years. One of these new hotels cost more to build and equip in proportion to its size, than any hotel in the United States.

Seldom is a city endowed with such natural beauties as those boasted by Minneapolis, and able to attain the prominence achieved by Minneapolis as a business center. It is the commercial capital of the great American Northwest, a region exceeding in extent the combined area of Great Brit-



ILLINOIS STATE FLORISTS' BANQUET AT PEORIA, MARCH, 4, 1913.

ain, France and Germany. Fifty years ago, the site of Minneapolis was an Indian reservation; today, it is a great progressive American city, with a population of three hundred and twenty thousand. In the beginning, Minneapolis was a grain and lumber center; today, it is the greatest grain market in the world and the largest producer of flour. Its mills turn out annually sixteen million barrels of flour. Its pre-eminence as a milling city has given it the name "Flour City." Of late years with its development of vacant lot gardens and with its introduction of hanging gardens in the down-town district, it also has won honest claim to the title of "Flower City."

The city owes its existence to the presence of the famous St. Anthony Falls. Power furnished from this source made it a great manufacturing city. Its trade in grain and lumber naturally made it a center for the business of the vast region it served, and it has developed into a city of diversified manufactures with a large wholesale business. The volume of the city's jobbing trade is three hundred million dollars per annum. Recognized, "Minneapolis territory" extends from Lake Michigan to the Pacific Coast, as well as far into Canada and into the American Southwest. Minneapolis has in Nicollet avenue one of the most famous retail streets in the world. It is one of the few main shopping arteries not traversed by a street car line. All the streets of the city are wide and excellently kept. Its retail trade runs far into the millions and its shops are equipped and stocked as excellently as those of the largest cities in the world. But Minneapolis has not sacrificed its natural beauties in its development of commercial strength.

It has been called the city of lakes and gardens. There are twenty lakes within the city limits and over a hundred within a radius of twenty-five miles. Over three thousand six hundred acres or over one-ninth of the entire area of the city is embraced in the park system. It has fifty miles of continuous boulevard, which skirts the shores of four of the famous in-town lakes continuing to Minnehaha Falls, thence along the shores of the beautiful Mississippi Gorge to the campus of the famous University of Minnesota.

Four interurban car lines connect Minneapolis with St. Paul, forming the Twin Cities with a population of six hundred thousand. These car lines take the visitors to Fort Snelling, the historic army post, to the state capitol, to the famed Como Park and to the Minnesota state fair grounds, home of the "greatest state fair in the world." Minneapolis also has interurban car lines which extend to various points on the shores of Lake Minnetonka, which with its beautiful islands, bays, and wooded heights, and its more than one hundred miles of irregular shore line, is one of the most picturesque lakes in America. All these attractions and scores more await the summer visitor to Minneapolis, which is generally considered to be one of the most beautiful cities in the entire world.

ROCKY FORD, COLO.—D. D. Wiley is building a vegetable greenhouse 20x70 feet.

SHERIDAN, WYO.—E. E. Clancy's new flower store at 40 Main street was opened March 1.

NORTH YAKIMA, WASH.—This city will hold a flower show next summer, the date to be announced later.

Third International Flower Show.

NEW GRAND CENTRAL PALACE, NEW YORK.

The management has made the following dates for meetings of the co-operating societies: April 8, American Rose Society; April 17, Society of American Florists; April 9, American Carnation Society; April 10, National Association of Gardeners; April 11, American Sweet Pea Society; April 12, American Gladiolus Society. The meetings will be held at 10:30 a. m. each day. Each afternoon and evening during the show the lecture room will be reserved for public lectures on horticultural subjects. In addition to the lecturers already announced, Arthur Cowee, of Berlin, N. Y., will lecture on "The Gladiolus;" Arthur Herrington, of Madison, N. J., on "The Whys and Wherefores of Tree Planting;" and L. W. C. Tuthill, of New York, on "Greenhouses and Frames for Amateurs."

Members in good standing of the Rose, Carnation, Sweet Pea and Gladiolus Societies and of the S. A. F. will be furnished with tickets or badges admitting them to the show at all times. The show will be opened at 6 p. m. on Saturday, April 5, with an appropriate ceremony, and on other days will be open from 10 a. m. until 10 p. m. Posters and hangers, in colors, are now in course of distribution. The advertising forms for the official program will close on March 15, so that anyone who has not already taken space in the same and intends doing so should lose no time in making his wants known to John Young, secretary, 54 West Twenty-Eighth Street, New York, who also is still able to furnish a few excellent locations for exhibits in the trade exhibition.

J. H. PEPPER.

Chairman Publicity Committee.

Boston.**GENERAL CONDITIONS POOR.**

There have been a few "spurts" in the market this week, but the general tendency has been a lagging market, with plenty of material. Sweet peas and violets are the hardest hit. Carnations have advanced somewhat from last week. Roses are more plentiful, but the quality is downward from what it was. Friday morning it was three degrees above zero and it is now sixty degrees, which shows what New England can do in the weather line.

NOTES.

We were seated in a train leaving Boston one day, when we overheard a remark passed by one of two ladies, who mentioning a certain retail flower store in New England, said: "The roses I got from Blank's in my home town surpassed anything I have had given me on my travels. They keep longer. Those presented to me on various occasions are wilted the next morning, while Mr. Blank's are fresh for almost a week." Here is a woman high up in the social world, known from Maine to California, a member of the various woman's clubs, making this statement. Something is wrong some where. This will cause trouble and hurt our pocketbooks some day. Some wise man should take it up and make some suggestions.

The Co-operative Flower Market, Park street, will hold a flower show April 12. There was a good deal of enthusiasm shown upon the subject Saturday last. There were two cups offered and of a good standard value. A number of the retail men have offered prizes and have signified their willingness to compete in classes offered for them. It is to be held under the auspices of the market, but two of the salesmen of the market are doing some hustling already. They are B. McGinty and J. Cohen. The latter has the promise of many entries.

The Gardeners and Florists' Club visited the greenhouses of the W. W. Egan Co., Waverly, March 8. Quite an array of Easter stock is grown here. Genistas, lilies and rambler roses are fine. Herman Bertsch is among the top notchers in the line of pot plants. Anything with the Edgar Co. mark on it means quality, and this year is no exception.

We met in the market Saturday W. Robertson, Melrose, Mass. Mr. Robertson is a practical boiler maker and he enjoys the confidence of a great many in the trade in a large part of New England, having installed both power and heating boilers in many greenhouse plants and he tells us he has yet to hear a complaint.

Robins, spring poems and pussy willows have appeared.

MAC.

Buffalo.**TRADE NORMAL.**

Weather conditions the past week have been what this city is accustomed to—from 8 below zero to almost summer heat. Trade is normal. Bulb stock is plentiful. All thoughts are on Easter.

CLUB ELECTION.

The event of last week was the annual election and banquet of the Buffalo Florists' Club. With the exception of the flower show, the administration of President Grever had been rather quiet. The following officers were elected for the ensuing year: William Legg, president; F. C. W. Brown, vice-president; E. C. Brueckner, treasurer; E. Douglas Savage, secretary; Wallace Eiss, financial secretary; J. F. Cowell, Jos. Streit, W. A. Adams, trustees. After the election, the meeting adjourned to the banquet

room of the Bismarck, where a fine banquet had been prepared. L. H. Neubeck was toastmaster. Toasts were responded to by: W. F. Kastling; Prof. Cowell; F. C. W. Brown; W. H. Grever; Wm. Legg, president elect; Jos. Streit; Robert Scott; Wm. Sievers; Wm. Brooks; W. A. Adams and J. F. Von Fiebelkorn. It was one of the most enjoyable banquets the club has had and all went home enthusiastic and much pleased with the activity of the club.

NOTES.

David Scott of Corfu has taken the greenhouses of the Wm. Scott Co. at the same place. He will devote all his time to the growing for the wholesale trade. Good wishes are extended to him by all.

S. A. Anderson will have a public inspection of his Easter stock at his Elmwood avenue greenhouse, Palm Sunday.

BISON.



Wm. Legg.
President Buffalo Florists' Club.

St. Louis.**EASTER OUTLOOK PROMISING.**

The past week we have had cold, dark and stormy weather. Saturday was a welcome change to something like spring. There has been an increase in the supply of roses and carnations. Sweet peas, especially short stems, are still plentiful but long stem and fancy grades are selling well. Owing to the recent dark weather the supply of violets has somewhat shortened up and prices stiffened somewhat Saturday. Spring store openings helped considerably. The Easter outlook is promising, the supply of blooming plants is expected to be equal to the demand. Asparagus sprengeri and plumosus and smilax are selling well; also leucothoe leaves and Mexican ivy.

NOTES.

C. A. Kuehn, we are happy to announce, is in harness again and everyone is pleased to see him restored to health. His stock of flowers are among the best and his reputation for good stock and fair dealing is known everywhere. A new automobile has been added.

The Wm. C. Smith Wholesale Floral Co. has increased its business to such an extent that they have improved their delivery system. Their immense stock has been unloaded very satisfactorily, bad weather, however, curtailing the sales of violets and sweet peas.

Geo. H. Angermueller always seems hard at work. His stock of flowers is fine and buyers are always anxious to get a line on his immense supply stock, which is among the best seen anywhere.

Frank Windler is a very busy man these days taking advance orders. This firm has a system of cleaning out daily. Their well filled counters are pretty nearly always cleaned out by noon.

Joseph Wors, son of C. N. Wors, is now in the employ of Alexander Siegel. It is rumored Joe is thinking of taking a life partner, as he is seen carrying carnations very frequently.

William P. Stark, former manager of the Stark Bros.' Nurseries, is asking a receiver for the firm. Edgar N. Stark, Lloyd C. Stark and Eugene Duncan are named defendants.

Joseph Zunz, one of the able staff of the Wm. Smith Wholesale Floral Co., is looking very cheery. It's an eight-pound girl.

John Schreiber, representing the Foley Manufacturing Co. of Chicago, spent the past week visiting the local greenhouses.

The florists' club will meet this week and a carnation exhibition will be staged at Smith's after the club meeting.

H. G. Berning has a splendid supply of roses and especially fine carnations. Henry unloads at all times.

The Bentzen Floral Co. is out with a new machine. Just in time for St. Patrick parade.

Otto G. Koenig has been nominated on the republican ticket for the city council.

Al. Gumz, we are happy to state, has returned to work.

W. F.

Cincinnati.**MARKET CONDITIONS GOOD.**

As a whole, last week's market was a very good one. The first few days almost everything sold nicely at good stiff prices. Thursday and Friday showed a decided falling off, but Saturday came back strong and good clearances were effected at fair prices. The receipts, contrary to expectations, are again on the increase and are coming in so strongly that unless the active demand keeps up there may be a break in prices. Shipping business is very good. The rose receipts are large and include some splendid offerings in Pink and White Killarney and Richmond. The American Beauty rose supply has let up considerably and as a result good stock is selling at sight. The carnation cut is larger than predicted a fortnight ago. The good stock of quality finds a waiting market. The supply of gigantium and callas is somewhat larger than requirements, and as a result the market is easy. Smaller bulbous stock, such as tulips, daffodils and the like are of very good quality and have been having a fairly nice market. The call for lily of the valley is just fair. Double violets are hardly selling at any price. Single violets still have a pretty good call. The orchid offerings are elegant but the call for them is very light. The green goods market is well supplied with an elegant line of stock.

NOTES.

Ed. Fries is very fortunate in having quite a large stock of geraniums blooming at this early date. The stock is good and large, and is selling well.

J. A. Peterson has a very large number of tulips, daffodils, jonquils and Easter lilies that will be in just right for Easter.

C. E. Critchell has been having a very strong call for wire hanging baskets.

The Cincinnati Cut Flower Exchange has been getting fine Killarney and Richmond roses from the Bloomhurst Floral Co.

The Covington Seed Co. is cutting some very fine Baby primroses.

Visitors: Al Newman, representing the Weller Pottery, Zanesville; Sidney Wertheimer and Sam Seligman of Wertheimer Bros., New York; Geo. J. Ball, Glen Elm, Ill.; Mrs. Norval Kiger, Marietta, O.; A. G. Perkins, of Jackson & Perkins, Newark, N. Y.; C. P. Dietrich, Maysville, Ky.; ——— Leedle, of the Leedle Rosary, Springfield; A. Ford, representing A. Herrmann, New York.

H.

Pittsburg.

SUPPLY AND DEMAND GOOD

With the temperature at 45° and some pleasant weather, the supply and demand are very good. Stock of all kinds is coming in much stronger, lilies, carnations and roses being the principal factors. The quality of the carnations coming in at present is certainly excellent and it is a great pleasure to work with this kind of stock. The roses are very much in evidence also, and the quality and color are coming back again. It is discouraging how American Beauties have been acting. Every day the cut is several hundred short stems. Lilies are very plentiful at present, but the quality is rather poor. Indications are that the supply will be just right for Easter. The market is very bad as regards white lilac at present and the season will soon be over. Violets are finding very few sales this season, which seems very strange, as this winter has been very mild. There is no reason why they should not sell better than last year, but they do not. A very fine quality of snapdragon has appeared and finds quick sales. Pansies and daisies are also prime factors. Very few yellow roses are coming in at present and many could be used to good advantage.

CLUB MEETING.

The last meeting of the Florists and Gardeners' Club, which was Tuesday, March 5, was one of the most successful and interesting held for sometime. We had as attractions the inauguration of Neil McCallum as president, the lantern slide lecture of Otto E. Jennings, an exhibition of the new carnations, and a lunch served in the Dutch room of the Fort Pitt hotel, after the meeting was adjourned. Mr. Jennings had every one's attention, as he told of the peculiar habits of the plants and flowers along the north shore of Lake Superior. He took the trip early in June and then went back to his starting point and retraced his route in the fall, thereby observing the same plants in the spring and fall. He also had some fine views of wild animals in that region. Among the new carnations, Wm. Eccles and Northport were the best. Both showed up magnificently and many of the old growers present expressed a desire to try them. The Chicago Carnation Co. sent The Herald, but it arrived late, and had been on the road so long that it did not do itself justice. The new carnation Comfort had been promised us, but did not show up. The Pittsburgh Cut Flower Co. showed nearly all the commercial varieties and all were very well done. The Dixmont Greenhouses brought some red seedlings that were well taken. The Schenley Park conservatories had a fine array of bulb stock, chenelle plants and primulas. The judges appointed awarded the following prizes: Scott Bros., Elmsford, N. J., first class certificate for carnation Wm. Eccles; Jas. D. Cockroft, Northport, N. Y., first class certificate for carnation

Northport; Chicago Carnation Co., Chicago, first class certificate for carnation The Herald; Dixmont Greenhouses, certificate of merit for seedling carnation. Schenley Park, cultural certificate for tulips. Pittsburgh Cut Flower Co., cultural certificate for carnations. Fred Burki gave an impromptu talk on carnations in general and especially those on exhibition. He prefers White Enchantress, White Perfection, and White Wonder in white; Mrs. Ward and Gloriosa in pink. He also thinks well of Benora, a variegated carnation, which he grows at Bakerstown. Visitors were: O. Crissman, Punxsutawney, Pa.; Wm. G. Jones, Du Bois, Pa.; Thos. Fitzgerald, Beaver, Pa.

NOTES.

Oliver Scheick, of Fischer & Scheick, the Sharon Florists, was in town Saturday, buying Easter plants and calling on some of his friends in the trade. Mr. Scheick reported that Mr. Fischer is in very poor health.

Harry Gibson and H. E. Graves of the Zieger Co., are in New York, Baltimore and Philadelphia this week, purchasing Easter and spring stock.

A. J. Riegelmeir has opened a new flower store at 1810 Carson street. He was at one time with the A. W. Smith Co.

I. H. Landis of Lancaster, Pa., is consigning pansies and daisies to The Pittsburgh Cut Flower Co.

J.

North Shore Horticultural Society.

The annual merry making gathering of the North Shore Horticultural Society was held at Werner's Hall, North Chicago, Saturday evening, March 8, and for pure fun stands out boldly as the most joyful occasion in the annals of this thriving organization. About fifty members attended and the tables were gay with well grown bulbous stock, daffodils, tulips, etc., although crowded too much with the lavish array of refreshments. There was music in abounding variety with song in many languages; there was dancing and story telling, gaiety and harmony. Phil Foley of Chicago rejuvenated his old-time fish stories to such an extent that they beguiled the oldest son of Izaak Walton and surely the "Struggles and Triumphs of President John Tiplady," as told by himself, will go down in history as an incomparable classic of the garden craft. Time may and surely does play some grim pranks with the memory of man, but reason itself must quit this scribe before the recollection of those happy, smiling faces passes beyond him.

E. O. Orpet was toastmaster and Secretary Bollinger distributed copies of the new by-laws to the members in attendance.

VARIE AGATA.

Chicago Florists' Club.

The regular meeting of the Chicago Florists' Club was held at the Union restaurant March 6, President French in the chair. Routine business was transacted and John Tiplady, Lake Forest, and George Ball, Glen Ellyn, were elected to membership. Transportation to the National Flower Show at New York next month and to the Minneapolis convention of the Society of American Florists in August was discussed. Andrew McAdams was made an honorary member. Vaughan's Seed Store exhibited a fine new canna under number, also a new rambler rose. Carl Cropp says the former, while excellent, is by no means the best of his firm's novelties in cannas.

CLEARFIELD, PA.—William Blacker, a local florist, dropped dead of heart trouble at his home February 22.

OBITUARY.

Joseph A. Bolgiano.

Joseph Ault Bolgiano, retired head of J. Bolgiano & Son, seedsmen, of Baltimore, Md., died suddenly at the home of his only daughter, Mrs. J. Burch Joyce, March 1. Mr. Bolgiano was 77 years old and had been in poor health for a year, but the end was unexpected up to a short time before his death. Mr. Bolgiano had retired from active participation in business about 15 years ago, after 50 years' service in the firm that bore his name. He was born in Baltimore, December 6, 1835. After leaving school he entered his father's seed store and a few years later was taken into the firm. In his early manhood he married Mary Elizabeth Walton, of Annapolis, Md. Mrs. Bolgiano died in 1893. Mr. Bolgiano was well known in financial circles, being a director of several trust companies. He was at one time interested in street railway affairs. He was prominent in the American Seed Trade Association, of which he was at one time president, and always a leader in the interests of the trade. Despite his business cares Mr. Bolgiano was active in church and Y. M. C. A. work, being one of the most prominent Methodists of the South. He at one time studied for the ministry and was admitted as a local preacher. Mr. Bolgiano is survived by six children. Besides Mrs. Joyce, they are: John, Frank W., Dr. Walton, Roland and Charles J. Bolgiano. The funeral was held Tuesday, March 4.

John A. Payne.

John A. Payne, a well-known greenhouse builder and heating engineer of Jersey City and Bayonne, N. J., died suddenly March 3. He was 49 years old. Mr. Payne began his career as a builder and heating engineer about 18 years ago with the Lord & Burnham Co. at their factory, Irvington, N. Y. He was also for a time with the Pierston & Sefton Co. For a number of years he had a factory of his own near the West Side avenue station, Jersey City. Of late he had been representing the Foley Manufacturing Co., Chicago. His residence was at Bayonne, N. J., where his funeral was held March 5.

A. F. F.

ALBIA, IA.—The Richey Floral Co. has added a motorcycle to its delivery system.

ST. LOUIS, MO.—The new greenhouses of Shaw's Garden will be thrown open to the public Easter Sunday.

FT. WAYNE, IND.—John E. Hauswirth, a local florist, has filed a petition in bankruptcy; liabilities, \$3,769.95; assets, \$237.

NEW YORK.—Joseph G. Leikens, a florist and nurseryman, has filed a petition in bankruptcy. He lists his liabilities as \$3,026, with no assets.

HITCHINGS & CO., New York, have received an order from Wilford D. Howard, Milford, Mass., for one of this firm's iron-frame greenhouses, 65x100 feet.

HUBBARD'S WOODS, ILL.—Paul Dieball, gardener to L. Kuppenheimer, has the finest lot of cyclamens ever seen in these parts and his greenhouse is not yet a year old.

ATLANTA, GA.—The Nunnally Co. of this city, florists and candymakers, have put in a big candy branch in New York city and are running big advertisements in the New York dailies. This is enterprise for you.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 64 PAGES WITH COVER

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The flower shops are gay in gold and red,
The lily grower hums an Easter song—
March winds blow softest over the beds,
And fool the early planters right along.

SUBSCRIBERS should renew promptly to insure regular delivery of the paper. The yellow address label on the paper shows date of expiration.

Publicity.

C. N. Ruedlinger, chairman of the publicity committee of the Minneapolis Florists' Club, sends a copy of an attractive advertisement about eight and one-half inches square used by the trade in the daily papers of that city in exploiting St. Valentine's day. Mr. Ruedlinger says, "The advertisement was paid for by subscriptions of the local florists. The amount thus collected was about \$130 and a similar amount was used in exploiting Mothers' day last year and will be repeated this year."

[This is the right kind of publicity and the Minneapolis brand of co-operation is worthy of greatly extended use.—Ed.]

National Council of Horticulture.

The first installment of articles for 1913, issued by the National Council of Horticulture, contains the following: "Lawns," "For Indoor Planting," "Preparing Soil for a Garden," "Substitutes for Manure," "Points About Sowing Seed," and "Fertilizers." These timely and practical articles are issued to nurserymen, seedsmen, florists and the editors of local papers, and can be obtained upon application to the secretary, James H. Burdett, 1620 West 104th place, Chicago.

Mexico.

Tampico, March 5.—I wish to say at the present that from personal investigation and travel, I am more than satisfied that this is a grand country and one in which there are great opportunities for the experienced horticulturist, gardener and florist, and I do not hesitate to recommend that any young man of the trade who wishes to make a start look to Mexico for his location.

There have been several scares over a supposed war here and people in the north think they know more about it than the actual residents of the country. In the whole republic, during the last three months, there has been about as much trouble as there was in Chicago during the recent strike of the printers.

L.

Society of American Florists.

DEPARTMENT OF REGISTRATION.

As no objection has been filed, public notice is hereby given that the registration of the new geraniums, Dr. Richard Behrend, Jack London, Julius Eberius, Dr. Lincoln Cothran, Judge Lindsey, Fresno, H. Plath, Anna Eberius, Palo Alto, Fire Ball, Los Altos, Florence Metzner, Mrs. Edward Stock, La Paloma, Tamalpais, J. Stitt Wilson, Ramona, Fire King, Sacramento, Luisa Tetrizzini, Mt. Shasta, Rosea Tacoma, Hawaii, Mary Garden, Mayor Ralph, Governor Johnson, Gifford Pinchot, Gertrude Atherton, Richard Diener, Mt. Hamilton, Alviso, Sunnyvale, Snow Bird, Gilroy, Tivoli, White Beauty, Billie Burke, Fritzie Scheff, by Richard Diener & Co., Mountain View, Calif., becomes complete.

As no objection has been filed, public notice is hereby given that the registration of the new orchid Cypridium Harrisianum Laura Mitchell Kimball by Mrs. William S. Kimball, becomes complete.

As no objection has been filed, public notice is hereby given that the registration of the new sweet peas, Ogata, Skyair, Vera, Cardinal, Golden West, Orange Nora and Norma, by Anton Zvolanek, becomes complete.

JOHN YOUNG, Sec'y.

March 8, 1913.

American Carnation Society.

The following additional prize has been offered for the Third International Flower Show, Section G, Class 53:

Best six pot plants of carnations in 8 inch pots, not over 30 inches high and shown without artificial supports, \$10.00 in gold. Premiums offered by Henry Eicholz, Waynesboro, Pa.

Please note: All entries in the carnation classes must be in the hands of the secretary (A. F. J. Baur, Indianapolis, Ind.), not later than March 26. A fee of \$2.00 will be charged for each

entry made after that date. Staging of exhibits must be completed by one o'clock on the days specified for the various classes. Write for a schedule of premiums.

The Hotel Manhattan has been selected as headquarters for the society. Engage your accommodations ahead, if you want to stop there.

NEW CARNATIONS REGISTERED.

By H. D. Rohrer, Lancaster, Pa.: Scarlet Wonder. Parentage, unknown. Color, scarlet. Size, 3 inches. Clean, strong grower. Stiff stem. Non-bursting calyx. Fragrant.

By A. Jablonsky, Olivette, Mo.: Wizard. Parentage, seedling crosses. Color, variegated. Size, 3¼ to 3½ inches. Sturdy, stocky strong growth. Stiff, long stems. Ground color, glistening white, delicately penciled with pink. Perfectly formed flower.

By Henry J. Symonds, Decorah, Ia.: Zoe Symonds. Parentage, White Perfection X Prosperity. Color cerise pink. Size 3¼ to 3½ inches. Rapid grower and unusually prolific bloomer. Stems very stiff and long. Flower full in center. Decorah. Parentage, Cardinal X White Perfection. Color Harlowarden shade. Size, 3½ to 4 inches. Plants grow very large. A free bloomer and not a cropper.

A. F. J. BAUR, Sec'y.

Boskoop Rose Show.

We have received the following communication regarding the great Rose Show which will be held in Boskoop, Holland, July, 1913. The government again has shown its interest in this enterprise, as the exposition will be held under the patronage of the minister of agriculture, industry and commerce.

The committee has been obliged to greatly extend the grounds of the exposition, this proving to be necessary to meet the needs of the very large number of exhibitors. Around the rosarium, which will cover about an acre, will be built a pergola 600 feet long. This pergola alone will require 3,000 climbing roses, which have already been grown in pots for this purpose. In the rosarium will be placed thousands of roses, bush and standard form. To keep the grounds in good condition during the time the exposition will be held there will be a surplus of 50,000 bush roses and 6,000 standard roses in 300 varieties, all grown in pots. In the background of the rosarium will be erected an Italian flora temple with side wings, 120 feet wide and 15 feet high, which promises to make a brilliant effect.

The schedule for cut roses is ready and will be mailed in a few days. The competition for No. 1 of the programme (new roses not yet in commerce) will be open also for growers outside of Boskoop. The committee therefore advises those who have good novelties to apply for a copy of the programme. Several gold medals will be awarded in this class. The best known rose growers of Holland and other countries will be invited to act as members of the jury of awards.

PRESIDENT FARQUHAR of the Society of American Florists is greatly pleased with the outlook for the annual convention to be held at Minneapolis next August, saying the various local committees are working splendidly to make this the banner meeting of the society. Meeting and exhibition quarters arranged for are excellent and promising new features have been projected by Vice-President Wirth in his scheme for exhibits of growing stock planted outdoors for effect.

Meetings Next Week.

Detroit, Mich., March 17, 8 p. m.—Detroit Florists' Club, 247 Randolph street.
 Grand Rapids, Mich., March 17, Grand Rapids Florists' and Gardeners' Club, 891 Wealthy avenue.
 Montreal, Que., March 17, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 224 Sherbrook street, west.
 New Orleans, La., March 20, 8 p. m.—New Orleans Horticultural Society, Kolb's Hall, 127 St. Charles avenue.
 Newport, R. I., March 19.—Newport Horticultural Society, Ruggles avenue.
 Providence, R. I., 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.
 Salt Lake City, Utah.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.
 Scranton, Pa., 7:30 p. m.—Scranton Florists' Club, Guernsey building.
 Seattle, Wash.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.
 Toronto, Ont., March 18, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By experienced Seedsmen. Good counter man. For further particulars, address, Key 791, care American Florist Co.

Situation Wanted—Position as traveling salesman for seeds, bulbs, plants or florists' supplies. Address Key 786, care American Florist.

Situation Wanted—As florist and gardener in private place; Hollander; 10 years in this country; married, no children; life experience; can furnish the best of references. Address Key 801, care American Florist.

Situation Wanted—Head gardener, Englishman, age 40, married, without family. Life experience in all branches, including Orchids, Roses, Carnations, Mums, Early Forcing, fruit and vegetables, etc. Good references. RICHMOND, Elma Center, N. Y.

Situation Wanted—As orchid grower or gardener private preferred—by Englishman, age 29, married, 15 years good practical experience in the work of all departments of all places. Excellent references. Address, Key 795, care American Florist.

Situation Wanted—Position by energetic young man in a private establishment; 25 years old. Life experience in private and commercial establishments growing roses, carnations, mums' pot plants and vegetables. Best of references. Address Key 787, care American Florist.

Situation Wanted—On commercial or private place by an all around man with 20 years of practical experience in this country and Europe; single, 35 years of age. Can furnish the best of recommendations from leading firms. Pot plants, roses, carnations and landscape gardening a specialty. State salary when writing. GEORGE BAKAITIS, 5431 North Seeley av., Chicago

Situation Wanted—As head gardener or superintendent. Good grower of cut flowers, potted plants, indoors and out doors; vegetables and fruits. Good experience in lawn and park work; understand management of private place park, cemetery, or institution. Am 30 years of age, married, no children. Have been in the gardening and florist business for 15 years. Can furnish best references to party requiring such a man. Address, Key 799, care American Florist.

Help Wanted—Boys from 16 to 20 years as apprentices in greenhouse. POEHLMANN BROS. Co., Morton Grove, Ill.

Help Wanted—A bookkeeper who has had experience in bookkeeping in a florist's store. Address A. F. F., care American Florist, 124 East 24th Street, New York.

Help Wanted—Florist and gardener for public park; must be competent for in and outside work; state experience and wages wanted. Supt. of Parks, Davenport, Iowa.

Help Wanted—Florist and gardener, competent to take charge of greenhouse, garden and grounds at State Institution. Address SUPERINTENDENT, State Public School, Owatonna, Minn.

Help Wanted—April 1st, young strong assistant gardener for private place. Thirty dollars and board per month. Scandinavian preferred. P. BACK, R. R. 5, Oshkosh, Wis.

Help Wanted—Assistant Gardener, for large private estate. Must have good knowledge of shrubs, vegetables, greenhouse. Wages \$55 and room. Apply SUPERINTENDENT, Walden, Lake Forest, Ill.

Help Wanted—An experienced florist; capable of decorating, designing and selling. Permanent position and good pay for right man. State experience in detail, salary expected and give references in first letter. Address Key 800, care American Florist.

For Rent or Sale—Greenhouses, 28,000 feet of glass, hot water and steam heat; also 3 acres of land and barn if desired. Ten minutes walk from R. R. station and street car, 14 minutes north of Chicago on C. & N. W. Address, JOHN FELKE, SR., 716 Ridge Ave., Wilmette, Ill.

For Sale—Two acres with 25,000 square feet of glass; up-to-date improvements, cement benches; fine dwelling house and barn; nice orchard. Everything in first-class condition, 10 minutes from R. R. and C. L. BEN VOLLMAN, 430 Ridge Ave., Wilmette, Ill.

For Sale—A good paying Florist Business in a Michigan city of 14,000 will be sold now or June 15 h at a bargain; small house and store connected to 4,000 feet of glass right in business center of city. Will stand closest investigation. Come and investigate. First-class trade. Owner will retire. Established 25 years and in good repair. JACOB SCHNEIDER, Florist, Manistee, Mich.

For Sale—At a sacrifice, for cash; about 2000 feet of glass, stocked with carnations, chrysanthemums, bedding stock and small flowers. A fine proposition to one that thoroughly understands the business. Large retail trade and all the wholesale you can handle. Four acres of land; on car line on the main street of city of 20,000. For particulars address R. S. ELWOOD, Receiver, Albuquerque, N. M.

Wanted: Gardener and houseman. Experienced in care of greenhouse. North Shore Chicago Suburb. Wife must be good laundress. All year position. Good opportunity for couple without children. References required. Address, Key 802, care American Florist.

STORE MANAGER WANTED, by April 1.

A competent, reliable and energetic man with pleasing address, who thoroughly understands the retail business. Must be a good maker up and decorator. Married man preferred. Only a man whose experience has been gained in up to date stores will be eligible. A first-class permanent position with opportunities for advancement for the right man. Applicant will state age, extent of experience, where employed in the past, present position and wages expected. B. F. BARR., Keystone Nurseries, Lancaster, Pa.

WANTED
Rose and Carnation Grower

BASSETT & WASHBURN,
131 N. Wabash Ave., CHICAGO ILL.

WANTED

HEAD GARDENER (unmarried) for private country place. No greenhouse. Good position for a first-class man. Permanent. References required. State wages. Address, S. K., 622 Fidelity Building, Buffalo, N. Y.

Situation Wanted

Good Carnation Grower capable of taking charge. For further particulars, Address, Key 796, care American Florist.

PLANT GROWER WANTED

Advertiser wants competent grower of general line of pot plant stock for store trade. This place is located in the south and good wages will be paid to the right man. State age and experience. Address, Key 798, care American Florist.

Assistant Gardener Wanted

for public institution. Young single man as 2nd assistant gardener. Must be sober, honest and industrious; at least 2 years experience necessary; general greenhouse work; \$30 per month with board and room. 30 days' leave of absence with pay during year. Hours, 7 a. m. to 4:30 p. m.; duty every other Sunday. No firing, repainting, etc. Address, Key 797, care American Florist.

Location Wanted

Grower wants location in or near Chicago for greenhouse establishment, not more than 25 miles out. Established place will be considered if it affords opportunity for expansion with right facilities. Address with full particulars, Key 803, care American Florist.

IF your Spring Stock is right, advertise it now. There is much inquiry as to who can fill the orders this early season and the early advertisement gets there.

Welch Bros. Co., Leading Wholesale Florists

Everything in the Line of Cut Flowers in their Season

OUR SPECIALTY:—American Beauty, Killarney, Richmond, Maryland and all the Superior Roses; Lily of the Valley, Carnations, Orchids. Best Produced.

CUT FLOWER BOXES In Lots of 500 Printed Free Per 100 18x5x3...\$1.45 21x8x5... 1.65 21x5x3... 1.75 24x5x3... 1.95 28x5x3... 2.75 30x5x3... 2.65 24x8x5... 2.85 28x8x5... 3.20 30x8x5... 4.06 36x8x5... 4.95 30x12x6... 5.70 36x14x6... 7.10 DOUBLE VIOLET BOXES Per 100 8x5x4...\$1.56 9x6x5... 1.95 10x7x6... 2.39 12x6x7... 2.75 Ruscus—Purple Green, Red, White, 50 cts. Per Pound. Tinted Colors, 75c Per Pound	Immortelles Bronze Green and Purple Magnolia Leaves \$1.50 per box of 1000 OUR METALLIC and WAX DESIGNS are of the best quality. AMERICAN OAK SPRAYS. Italian Beach Cape Flowers and a complete line of Artificial Flowers in our Supply Dept.	Boxwood 18c per pound, \$7.50 per case. Ferns New Crop. Daggers and Fancy. Best Quality, \$1.50 per 1000. Bronze Galax \$7.50 Per Case of 10,000 Green Galax \$7.50 Per Case of 10,000 Leucothoe Sprays and Ivy Leaves We are the Largest Shippers of Cut Flowers in New England. We handle the very best of goods.	Green and Violet Tin Foil Best Quality 20c per lb Plain Tinfoil 9c per lb Wax and Tissue Paper For all lines of Florist use. We Carry a full Line of Ribbons and Chiffons. Plain Chiffon, 4 in. 3½ per yd. 6 in. 4c per yd. Silk Stripe 4 in. 5c per yd. 6 in. 6½c per yd. Block and Script Letters Gold and Purple Stick Letters For the Use on Ribbons	IMPORTED CYCAS LEAVES Best Quality Our Leaves Are of the Best Imported Quality. Prepared by the Best Manufacturers of Europe. We Have the Lowest Prices. Per 100 8x12...\$2.00 13x16... 3.00 16x20... 3.50 21x24... 4.00 24x28... 5.00 28x32... 6.00 32x36... 7.00 36x40... 8.00 We make our Wire Designs in our Store and can fill all orders at once. We carry a complete line of Corrugated Boxes. Write for our price list on the same.
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Welch Bros. Co., Wholesale Commission Florists
Manufacturers and Importers of Florist Supplies
Hardy Cut Evergreens
226 Devonshire Street, BOSTON, MASS.

TELEPHONES:
Main 6267-6268 and 5419

Cleveland.

BUSINESS EXCEPTIONALLY GOOD.

Business has been exceptionally good the past week. While there was nothing very large in the decorative line, there were many of the smaller jobs and numerous orders for funeral work from all parts of the city. Asparagus plumosus seems scarcer now than at any time during the winter, and smilax strings too are not over-plentiful, while all other greens can be had in quantity. Sweet peas are arriving in quantity, and some exceptionally long stemmed stock with good flowers can be had. Easter lilies were short of the demand. Callas are plentiful. Roses of all grades and varieties are plentiful, except long Richmonds, and long stemmed American Beauties. Carnations keep up in supply to meet the demand. Bulb stock is still in full crop. Almost anything desired in that line can be had from the local houses. Lily of the valley and orchids are in good supply, and stock is good.

NOTES.

Orders for white carnations for St. Patrick's day are beginning to come in to be delivered Saturday and Sunday, March 15 and 16, although the Hibernian Society of this city will not celebrate the day officially until March 26.

The Springfield Floral Co., Springfield, O., has sold one entire house of two-year-old rose plants to the People's Home Journal Publishing Co., to be used by that concern as an inducement to gain subscribers.

Will Merkel, of Merkel & Son, says that his firm is sold out of plants for Easter and he is now going back to the greenhouses, and help to get ready the stock for shipment.

The Cleveland Florists' Exchange has a fine lot of Boston ferns ready

We Will Have for Easter 50,000

Easter Lilies

Large Healthy Perfect Blooms

\$12.50 per 100

Also a full assortment of **Roses, Carnations, Valleys, Sweet Peas, Violets, Tulips, Hyacinths, Narcissus, Swainsonas, Snapdragons, Lilacs, Rhododendrons, Ferns, etc.**

The Miami Floral Company

DAYTON, OHIO

Long Distance Phones - Bell 1102 - Home 4473

O. R. ECKHARDT CO.

Wholesalers of Cut Flowers
and Florists' Supplies

St. Paul, Minn.

for the Easter and spring business. Also Easter lilies and hyacinths in pots.

The Tilton Seed Co.'s business will be sold at private sale, as published in the local daily papers.

C. F. B.

ALTON, ILL.—E. H. Riehl, president of the Alton Horticultural Society, says that unless young peach trees are planted no peaches will be grown here at all in a few years. The severe weather of last winter and the San Jose scale are both blamed.

EASTER BARGAINS

15,000

Fancy (Red) O. P. Bassett Carnations

\$4.00 per 100

45,000 Pink and White Carnations \$3.00 per 100

25,000 White Enchantress for ST. PATRICK'S DAY \$3.00 per 100

All stock Guaranteed Strictly Fresh and to give Satisfaction.

A Large Supply of **EASTER LILIES**
Also a Big Crop of **ROSES** Now on.

EASTER PRICE LIST:

American Beauties

	Per doz.
Extra long.....	\$6 00
36-inch.....	5 00
20 to 24-inch.....	\$3 00 to 4 00
15-inch.....	2 00
8 to 10 inch.....	\$1 00 to 1 50

Rhea Reid and Wards

	Per 100
Extra long select.....	\$15 00
Good length.....	\$10 00 to 12 00
Medium length.....	8 00
Short.....	5 00 to 6 00

Fancy Bulb Stock

	Per 100
Dutch Hyacinths.....	\$5 00 to \$6 00
Lily of the Valley.....	3 00 to 4 00
Fancy Double Tulips.....	3 00 to 4 00
Fancy Single Tulips.....	2 00 to 3 00
Jonquills (Golden Spur).....	2 00 to 3 00

White and Pink Killarney and Richmond

	Per 100
Extra long select.....	\$10 00 to \$12 00
Good length.....	8 00
Medium length.....	6 00
Short.....	4 00 to 5 00

Carnations

	Per 100
Extra long fancy O. P. Bassett.....	\$4 00 to \$5 00
Fancy white and pink.....	4 00
Medium white and pink.....	3 00
Weak and splits.....	2 00

Extra Fine Easter Lilies

Extra long, per doz.....	\$1 50 to \$ 2 00
Extra long, per 100.....	12 00 to 15 00
Short lilies, per 100.....	10 00

Miscellaneous

Asparagus Sprays, per 100.....	\$3 00 to \$4 00
Smilax Strings, per doz.....	2 50
Adiantum, per 100.....	1 00
Galax, Green and Bronze, per 1000.....	1 00
Ferns, per 1000.....	2 50

BASSETT & WASHBURN

Store and Office: 131 N. Wabash Ave.

CHICAGO

Greenhouses: HINSDALE, ILL

ROSES

LARGE SUPPLY OF EXTRA FANCY KILLARNEY, WHITE KILLARNEY, RICHMOND, BRIDE, AND MY MARYLAND.

— ALSO —

Carnations of Quality

Unusually Big Cuts for Easter in All the Leading Varieties, Especially Exceptionally Fine Red, White and Pink.

HOERBER BROS.

Wholesale Growers of Cut Flowers

162 N. Wabash Ave.,

**Long Distance Phones:
Randolph 2768.
Automatic 41770.**

Chicago.

Chicago

ROSES MORE PLENTIFUL.

Business has been rather quiet the past week and stock of all kinds, with the exception of American Beauty roses, is more plentiful. Roses in general, are in larger supply and have had a tendency to drop somewhat in price. Killarney and White Killarney of exceptionally fine quality, especially are in much larger supply and some of the stock that is now arriving is fit for the exhibition table. Killarney is showing fine color now and the better grades are moving freely. Richmond are none too plentiful yet, but some fine Rhea Reid roses are to be had. Mrs. Aaron Ward, Sunburst, Prince De Bulgarie, Melody and Lady Hillingdon are arriving in fine condition and are having a good call. American Beauty roses are still very scarce and the extra fancy flowers are bringing \$5.00 and \$6.00 per dozen. Carnations are plentiful yet, but are improving considerably in quality, although there is still a large quantity of splits. White has advanced a little in price and it would not be at all surprising if the other varieties would also. Lilies are in large supply and are having a good call. Orchids are also in good supply, but home-grown gardenias are none too plentiful. Lily of the valley is in oversupply and the same can be said of sweet peas. Violets are to be had in large quantities at bargain prices and are seen displayed in nearly all the stores at remarkably low prices. The supply of bulbous stock is quite large, with tulips, daffodils and jonquils the principal offering. Some fine single and double stocks are obtainable, as well as pansies and other miscellaneous flowers. Greens of all kinds are plentiful and some dealers are now offering ferns at very low figures. Easter orders are arriving in every mail and

the prospects are very bright for a good Easter business. Some of the growers are inclined to think that lilies will be none too plentiful for Easter, as far as the crops in this locality are concerned, so the reader would probably do well to place his orders in advance. None of the dealers seem to be pushing American Beauty roses very strongly for Easter for a shortage in this line is expected. With St. Patrick's day, Palm Sunday and Easter coming soon, things promise to be pretty lively in this market.

NOTES.

Allie Zech says that the Cook County Florists' Association bowling league will roll for honors with the Milwaukee Florists' Club bowlers in the Wisconsin city on March 30. The trip will be made in a special car over the C. & M. electric line, leaving here a little before noon and returning late the same evening. It is expected that quite a crowd will accompany the bowlers, for the Milwaukee boys have a reputation for being a bunch of "good fellows" and it is just like a month's vacation to be with them a few hours. Let us hope that J. E. Matthewson of Sheboygan will also be present.

August Poehlmann and wife, W. N. Rudd and wife, Geo. Asmus and others bound for the National Flower Show, New York, will leave on the Lake Shore Limited (La Salle Street Station), Saturday, April 5, at 5:30 p. m. Berths should be reserved well in advance by notifying G. K. Thompson, General Passenger Agent, 100 North Clark street, telephone Randolph 5300.

The Kennicott Bros. Co. and E. C. Amling Co.'s stores were both robbed this week but in each instance the intruders only succeeded in getting a small amount of cash and stamps. The robberies were evidently committed by

Violets OF Quality IN Quantity FOR EASTER

**M. C. GUNTERBERG,
82-86 E. Randolph Street
CHICAGO, ILL.**

parties familiar with the premises and who knew of certain business transactions that had been made.

Bassett & Washburn are cutting heavily in roses and carnations now and will have a fine assortment of stock for their Easter trade. The orders at this house are coming in nicely and according to one of the proprietors, Rhea Reid roses are being substituted for American Beauties.

Miss K. N. Cooper, proprietress of the Auburndale Goldfish Co., is at New Orleans, La., enjoying a well earned rest but expects to return about April 1. Her many friends in the trade are pleased to hear that she is recovering from her accident of last December and that she expects to return soon.

M. B. Hirsch, "The Willard Florist," is rapidly recuperating from the effects of his recent operation at the Michael Reese hospital.

Miss Olga Tonner is supplying her customers with a fine grade of single and double stocks.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

LAST**ST. PATRICK'S DAY****CALL****Carnations**

White Enchantress and Perfection

FOR COLORING. Firsts, per 100, \$4.00

FLUID, Green or Yellow, per quart, \$1.00; per gallon, \$3.00.

FOR EASTER

Our Supply of Roses and Carnations
will be Phenomenal.We are featuring ROSES, CARNATIONS, VALLEY, EASTER LILIES, VIOLETS,
SWEET PEAS and BULBOUS STOCK.

- - OUR SPECIAL EASTER OFFERING - -

ROSES, GOOD SHORT, - - - - - \$40.00 per thousand
CARNATIONS, Good Assortment, "Our Selection" - - - - - 30.00 " "

EASTER LILIES Cut. Firsts, per doz., \$2.00; per 100, \$15.00; per 1000, \$125.00.
" " " Seconds, per doz., \$1.50; per 100, \$12.00; per 1000, \$100.00.
" " " Short Grade, per doz., \$1.25; per 100, \$10.00; per 1000, \$80.00.
" " " Five hundred at thousand rate.



FOR LILY PLANT AD SEE PAGE 445 THIS ISSUE.

Easter Price List in Effect March 18th, 1913

All our quotations are subject to market fluctuations, changes without notice, and our confirmation.

AMERICAN BEAUTIES		Per Doz.	LADY HILLINGDON.		Per 100	CARNATIONS—		Per 100
Specials.....		\$6.00	Specials.....		\$15.00	Firsts.....		\$5.00
36-inch.....		5.00	Long.....		12.00	Seconds.....		4.00
30-inch.....		4.00	Medium.....		8.00 to 10.00	Thirds.....		3.00
24-inch.....		3.00	Short.....		4.00 to 6.00	ORCHIDS, Cattleyas.....\$4.00 to \$6.00		
20-inch.....		2.00	RICHMOND.		Per 100	JONQUILS.....3.00		
15-inch.....		1.50	Specials.....		\$15.00	DAFFODILS.....3.00		
12-inch.....		1.00	Long.....		12.00	TULIPS, double.....		4.00 to 5.00
Short stem.....	Per 100.	6.00	Medium.....		8.00 to 10.00	TULIPS, single.....		3.00 to 4.00
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.			Short.....		4.00 to 6.00	VALLEY.....\$3.00 to \$4.00		
Specials.....		\$15.00	KILLARNEY.		Per 100	VIOLETS, Double, New York......75		
Long.....		12.00	Specials.....		\$15.00	VIOLETS, Single Princess of Wales.....1.00		
Medium.....	8.00 to	10.00	Long.....		12.00	VIOLETS, Fragrant Home Grown.....1.00		
Short.....		6.00	Medium.....		8.00 to 10.00	VIOLETS, Single, California......75		
MRS. AARON WARD.			Short.....		4.00 to 6.00	MIGNONETTE, large spikes.....4.00		
Specials.....		\$15.00	KILLARNEY QUEEN		Per 100	SWEET PEAS......75		
Long.....		12.00	Specials.....		\$15.00	SWEET PEAS, fancy.....1.00		
Medium.....	8.00 to	10.00	Long.....		12.00	ADIANTUM CROWNEANUM.....1.00		
Short.....		6.00	Medium.....		8.00 to 10.00	SMILAX.....2.00		
MELODY, specials.....			Short.....		6.00	SPRENGERI.....2.00 to 4.00		
Long.....		12.00	WHITE KILLARNEY.		Per 100	PLUMOSUS SPRAYS.....3.00 to 4.00		
Medium.....	8.00 to	10.00	Specials.....		\$15.00	PLUMOSUS STRINGS.....each .60		
Short.....	4.00 to	6.00	Long.....		12.00	FERNS.....per 1,000, 2.50		
			Medium.....		8.00 to 10.00	GALAX.....per 1,000, 1.25		
			Short.....		4.00 to .600	LEUCOTHOE.....per 100, .75		
						BOXWOOD, bunch, 25c; 50-lb. case.7.50		

Supply Department. For Prompt Delivery Try Us.

Easter Plant Baskets, from 50c to \$1.25 each in brown, green, also Natural Willow. Porto Rican Mats, all colors, lowest prices. 1-inch Fibre Ribbon, special price, 50-yard bolts, \$1.00 each. Waterproof Crepe Paper, full length Rolls, \$1.75 per dozen. Special Sale of Plain Chiffon, this week, best quality, 4-inch, 12 pieces, 2c per yard. 6-inch, 3c per yard, 12 piece lots, assorted colors. Sprinkleproof Chiffon, 4-inch, 3½c; 6-inch, 4½c; 10-inch, 7½c per yd. 8-inch Fancy Chiffon, the best pattern, 11c per yard, all colors. Green and yellow Carnation Fluid, per quart \$1.00, the kind that is sure to give satisfaction. Florist Knives, best German steel, bone handles, steel bound. Try one. \$1.00 each; regular \$1.25 knife. Poehlmann's Improved Sprinkler, by parcel post, \$1.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone 176 N. Michigan Ave.
Randolph 5449

Chicago

A BIG CROP OF White Carnations

— FOR —

St. Patrick's Day

And a Large Supply of

Choice Easter Stock

PUSSY WILLOWS, 35c to 50c per bunch

Easter Price List.

Subject to change without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 8.00	\$ 6.00	\$ 5.00	\$4.00	.....
Killarney.....per 100	12.00	10.00	8.00	6.00	5.00
White Killarney.....	12.00	10.00	8.00	6.00	5.00
My Maryland.....	12.00	10.00	8.00	6.00	5.00
Richmonds.....	12.00	10.00	8.00	6.00	5.00
Mrs. Aaron Ward.....	12.00	10.00	8.00	6.00	5.00
Sunburst.....	12.00	10.00	8.00	6.00	5.00
Carnations.....	5.00	4.00	3.00	2.00	.....
Callas.....	15.00	12.50	.....	.....	.....
Lily of the Valley.....	4.00	3.00	.....	.....	.....
Violets, Extra fine single.....	1.50	1.00	.....	.....	.....
Double.....	1.50	1.00	.....	.....	.....
Sweet Peas.....	1.50	1.00	.....	.....	.....
Jonquils.....	4.00	3.00	.....	.....	.....
Tulips.....	4.00	3.00	2.00	.....	.....
Easter Lilies.....	15.00	12.50	10.00	.....	.....
Daisies.....	1.50	1.00	.....	.....	.....
Asparagus Plumosus Sprays..per 100	4.00	3.00	2.00	.....	.....
Asparagus Sprengeri Sprays.....	3.00	2.00	.....	.....	.....
Mexican Ivy.....	.60	.....	.....	.....	.....
Smilax.....	16.00	12.50	.....	.....	.....
Galax, Green and Bronze.....per 1000	1.00	.....	.....	.....	.....
Ferns.....	2.00	.....	.....	.....	.....
Boxwood.....bunch	.25	.....	.....	.....	.....
Adiantum.....per 100	1.00	.75	.....	.....	.....

C. A. KUEHN

1312 Pine Street

ST. LOUIS, MO.

Fancy Mats and Baskets

Lily of the Valley

Flower Coloring

Sphagnum Moss

Burlapped double size bales.

A. C. Brown, of Springfield, was in the city on business this week and, as usual, dropped in to see his old friend, C. L. Washburn. Mr. Brown was right on the job all the time at the meeting of the Illinois State Florists' Association at Peoria last week, but mysteriously disappeared when he was asked to respond to a toast at the banquet.

Wietor Bros. have had a good steady cut of roses and carnations right along but the crops for Easter, especially Killarney, White Killarney, My Maryland and Richmond, are going to be very large. This firm is also in good crop with carnations, and some very fancy stock is to be seen at the store.

Professor Folds of the Sheldon School gave an illustrated business talk at the E. C. Amling Co. store on March 11 which was largely attended by the young men employed in the local market.

H. Wittbold is now very busy with decorations, principally store openings. Baby Wilkerson, the firm's new mascot, is doing nicely and of course is the finest baby that "ever was."

W. J. Smyth has recovered sufficiently from his recent accident to again assume charge of his store.

The Chicago Floral Co., East Randolph street, has doubled its business during the past year.

Edgar Winterson reports the arrival of Winterson's Seed Store dahlias.

Lilies Lilies Lilies

And Everything Seasonable in

Flowers for Easter

H. G. Berning

1402-04 Pine St., ST. LOUIS, MO.

—Here's Where You Can Get—
THE BEST
KILLARNEYS
Both White and Pink

Large, magnificent blooms on all lengths of stems, with luxuriant foliage. **Positively the Best.** None as good in the market. Unusually large crops will enable us to supply you all at Easter.

BEAUTIES
Richmond, My Maryland
and Sunburst

Are also in good crop and of the same quality as the Killarneys. The stems are good, the substance is fine, and the blooms of the finest colors and of unsurpassed quality.

EASTER PRICE LIST:

Buy from us and get the best stock in the market at the most reasonable prices.

American Beauties.

Per Dozen	Per Dozen
60 in. stems.....\$6 00	24-in. stems.....\$2 50
48-in. stems.....5 00	20-in. stems.....2 00
36-in. stems.....4 00	16-in. stems.....1 50
30-in. stems.....3 00	Short stems.....1 00

Killarney.

Per 100	Per 100
Extra special.....\$10 00	Medium.....\$ 6 00
Selects.....8 00	Good.....5 00
Fancy.....7 00	Short stems.....4 00

My Maryland

Per 100
Fancy.....\$12.00
Good.....8 00
Short.....6.00

Sunburst

Per 100
Fancy.....\$12.00
Good.....8 00
Short.....6.00

Roses, our selection - - - **\$4.00**

Carnations Extra Special Red, Enchantress, Pink and White, \$5.00 per 100.

Richmond

Per 100
Extra specials.....\$12.00
Selects.....10.00
Fancy.....8.00
Medium.....7.00
Good.....6.00
Short stems.....5.00

White Killarney

Per 100
Extra specials.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stems.....4.00

Carnations Good Red, Enchantress, Pink and White, \$4.00 per 100.

Our Carnations were never better—finest in Chicago Market.

FERNs, per 1000.....\$2.50
SMILAX, per doz.....\$1.50 to 2.00
ADIANTUM, per 100.....1 00 to 1.50
GALAX, per 1000.....1.00
SPRENGERI, per bunch......50
ASPARAGUS SPRAYS, per bunch......50
LILIES.....per 100, \$12.00 to 15.00

ROSES, our selection, \$4.00 per 100

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

"The Busiest House in Chicago."

BIG SUPPLY FOR EASTER

Lilies, Roses, Carnations,
Violets, Valley, Tulips, Daffodils,
Callas, Daisies and all other
seasonable flowers and greens.
Write for Price List.

J. B. DEAMUD CO.

Phones { Central 3155. 160 N. Wabash Av., CHICAGO
Auto. 44-389.

Wild Smilax

In Quantity, \$4.25 per Case

Mexican Ivy, 60c per 100. Bronze and Red Magnolia Leaves, \$1.20 per Hamper

Also Magnolia Sprays, Pine Boughs, other
Decorative Materials and General Supplies.

Henry Wittbold,

56 E. Randolph St., - - - CHICAGO, ILL.

Peter Reinberg is cutting quite heavily again in Richmond roses and will be fortunate in having a large supply for his Easter trade. Fancy Killarney and White Killarney are also seen in large supply at this store, and are moving freely. Tim Matchen says that Mr. Reinberg is feeling much better and that he was discharged from the hospital on March 8.

A. L. Vaughan & Co. are receiving a large supply of all seasonable flowers and are featuring a fine grade of roses. Mr. Vaughan says that the shipping trade continues to be good and predicts a big Easter trade.

Joseph Wall has placed an order with the Superior Machine & Boiler Works for a new boiler and will build a new range of houses at Belmont and Milwaukee avenues.

Hoerber Bros. are cutting a fine grade of Bride roses now as well as their usual fine line of Killarney, White Killarney and Richmond.

Mrs. A. Kindler says that the Raedlein Basket Co.'s help has been working overtime for three weeks on Easter orders.

J. A. Budlong's lily of the valley is in good crop now and a large supply is arriving daily at the store.

John Aggen, 4134 West Twenty-sixth street, has opened a retail store adjoining his greenhouses.

A. L. Glaser, of Dubuque, Ia., transacted business here on March 11.

Wire or Phone Your Orders to the Largest
Retail Supply House in the West.

OSTERTAG BROS.
FLOWERS

Exquisite Fragrance Ours,
The House of Flowers.

Washington & Jefferson Aves.
ST. LOUIS, MO.



This Entire Plant

(The Largest Range of Glass in America)

Will Be In Full Crop For Easter

We filled all Xmas orders in full and will do the same at Easter, but it is advisable to place your order early. However, we want it distinctly understood that all late orders will also be taken care of.

Big Supply of Richmond

Killarney, White Killarney, American Beauty, My Maryland, Melody, Ward and Sunrise Roses. All the Leading Carnations.

Easter Price List

AMERICAN BEAUTIES—		Per doz.
Extra long stems.....		\$6.00
48-inch stems		5.00
36-inch stems		4.00
30-inch stems		3.00
24-inch stems		2.50
20-inch stems		2.00
18-inch stems		1.50
12-inch stems		1.00
Short		.75
Richmond.....		
Killarney.....	Extra select	\$12.00
White Killarney.....	Select	\$8.00 to 10.00
My Maryland.....	Medium	5.00 to 6.00
Wards.....		

Sunrise	\$6.00 to \$10.00
Roses, our selection.....	4.00
Carnations	3.00 to 4.00
" Fancy	5.00
Harrisii	12.50 to 15.00
Valley	3.00 to 4.00
Violets	.75 to 1.00
Sweet peas	.75 to 1.50
Tulips	3.00 to 4.00
Jonquils	3.00 to 4.00
Adiantum	1.00
Asparagus, per bunch	.50 to .75
Ferns, per 1,000.....	2.50

2,000,000 Feet of Modern Glass

PETER REINBERG

30 E. Randolph St.,

L. D. PHONE
CENTRAL 2846

Chicago

Easter Lilies

Fine Flowers at \$10.00, \$12.50 and \$15.00 per 100

ROSES

ALL THE LEADING VARIETIES IN LARGE SUPPLY.

CARNATIONS

Fancy stock in good supply. Also Valley, Violets, Sweet Peas, Tulips, Jonquils, Daffodills, Stocks, Pussy Willows, and all kinds of GREENS.

ERNE & KLINGEL,

Wholesale Florists

30 E. RANDOLPH ST., L. D. PHONE. CHICAGO, ILL.
RANDOLPH 6578.

EASTER PRICE LIST.

American Beauties		Per doz.
Extra long stems ..		\$6.00
36-inch stems		5.00
30-inch stems	\$3.00 to	4.00
24-inch stems		2.50
20-inch stems		2.00
15-inch stems		1.50
12-inch stems		1.00
		Per doz.
Gardenias	3.00 to	5.00
Roses		Per 100
Richmond		
Killarney		
White Killarney	Special	\$12.00
My Maryland	Ex. Select	\$10.00
Hilda	Select	\$6.00 to 8.00
Bride	Med.	5.00
Bridesmaid	Short	4.00
Sunburst		
Mrs. A. Ward		
Carnations		Per 100
Fancy	\$4.00 to	\$5.00
Good		3.00
Common		2.00
Valley	\$3.00 to	4.00
Violets, single or double	75c to	1.00
		Per 100
Sweet Peas	75c to	\$1.50
Tulips	3.00 to	4.00
Jonquils		3.00
Daffodils		3.00
Adiantum	75c to	1.00
Asparagus, bunch, 25c to		50c.
" Sprengerl, bunch, 25c to		50c
Bronze Galax, \$1.00 per 1,000.		
Ferns, \$2.50 per 1,000.		
Hoxwood, per bunch, 25c.		
Pussy Willows, per bunch, 50c.		
Stocks, per bunch, 50c to 75c.		

PERCY

See our four page Ad in last week's issue of THE AMERICAN FLORIST for Big Bargains in Cut Flowers and Supplies.

JONES

56 E. Randolph St., CHICAGO

At Poehlmann Bros. Co.'s store roses are arriving in very large quantities, with the exception of American Beauties, which are in short supply all over the market. This firm is filling a large number of orders for lilies, both cut and in pots, as well as other Easter plants and decorative stock. The cut flower department is now making shipments of stock to New Orleans, La., in corrugated boxes and, according to Mr. Frese, the first complaint is yet to be received.

Daniel Branch is busy with several decorative jobs and is preparing for a busy Easter season, expecting a heavy demand for lilies, which he has grown to perfection and is somewhat overstocked on.

F. O. Franzen has started his Easter street car advertising campaign and for original ideas we would suggest he would be a valuable asset to any of our local advertising agencies.

Mrs. T. J. Johnson, who has the distinction of being the only successful colored florist in Chicago, is enjoying a busy season with cut flowers and funeral work.

Pete Thomson, the Columbia Florist, is making preparations to sell his pres-

PULLMAN EQUIPMENT

Pullman Equipment is essentially similar on all main lines of travel, but one finds the newest little refinements of service upon those lines which match it with their up-to-date Chair Car and Coach Equipment. Pullman builds the best cars, and the Chicago Great Western runs the best cars Pullman builds.

THE GREAT WESTERN LIMITED

the spotless steel train of solid Pullman Equipment leaves Chicago Grand Central Depot at 6:30 p. m., arrives St. Paul 7:30 a. m., Minneapolis 8:05 a. m. After theatre train leaves Chicago 11:00 p. m., arrives St. Paul 1:35 p. m., Minneapolis 2:10 p. m.

Chicago Great Western

A. L. Craig, G. P. A.

1139 People's Gas Building,
Chicago.

Kennicott Bros. Co.

We have the ferns and when we say anything, the trade knows what that means. All or nothing.

163 North Wabash Ave.

CHICAGO, ILL.

ent establishment and go into the confectionery business at Manhattan Beach.

The George Wittbold Co. has the decorations for two large State street store openings this week.

1904

1913

A.L. VAUGHAN & CO.

(NOT INC.)

Wholesale Commission Florists

161 N. Wabash Ave., CHICAGO, ILL.

A [CANVASS of conditions with our Growers show an unusually large supply of exceptionally choice stock, which will be at its best for the Easter trade, but owing to the unprecedented earliness of the date on which Easter will fall, we ask our customers to give us their orders for LILIES at as early a date as possible, so that we can make proper reservations for them. Give us your orders NOW, and relieve yourself of further responsibility.

Special Price on Fancy Ferns

From Now on Until March 22nd.

\$1.50 per 1000. They are the Best.

Get Our Quotations on Lilies and Other Stock in 1000 Lots

Easter Price List

Subject to change without notice.

ROSES.			ORCHIDS.		
Beauties—			per doz., \$4.00 to \$6.00		
Long stems		\$6.00	GREENS.		
30 to 36-inch stems		5.00	Asp. Plumosus	per string,	\$0.50
20 to 24-inch stems	\$3.00 to	4.00	Asp. Plumosus Sprays	bunch,	\$0.35 to .50
15 to 18-inch stems	2.00 to	2.50	Sprengeri	per bunch,	.35 to .50
12-inch stems		1.50	Adiantum	per 100,	1.00
	Per 100		Smilax, choice	per doz.,	1.50 to 2.00
Killarney, special		\$12.00	Fancy Ferns	per 1,000,	1.50
“ fancy	\$8.00 to	10.00	Galax Leaves	per 1,000,	1.00
“ good	5.00 to	6.00	Boxwood	50-lb. case,	7.50
White Killarney, special		12.00	CARNATIONS.		
“ fancy	8.00 to	10.00	Per 100		
“ good	5.00 to	6.00	Carnations	\$3.00 to \$4.00	
Richmond, special		12.00	“ special fancy	5.00	
“ fancy	8.00 to	10.00	“ splits	2.00	
“ good	5.00 to	6.00	EASTER LILIES.		
Ward, special		12.00	Per 100		
“ fancy	8.00 to	10.00	Select	\$12.50 to \$15.00	
“ good	5.00 to	6.00	Shorter	10.00	
Sunburst, special		12.00	MISCELLANEOUS.		
“ fancy	8.00 to	10.00	Per 100		
“ good	5.00 to	6.00	Callas	\$12.00 to \$15.00	
Maryland	\$5.00 to	\$12.00	Valley	3.00 to 4.00	
Roses, our selection		4.00	Sweet Peas	.75 to 1.50	
			Tulips	3.00 to 4.00	
			Daffodils	3.00 to 4.00	
			Jonquils	3.00 to 4.00	
			Violets	.50 to 1.00	

**Large
Supply**



**Fancy
Stock**

Easter Lilies

Large quantities of flowers of exceptionally fine quality, and at prices that are right.
Plenty of Lilies and all other Seasonable Stock; so let your orders come.

Roses

All the Leading Varieties

with Richmond, Killarney and White Killarney showing up exceptionally well.

\$4.00 to \$10.00 per hundred.

Those Milwaukee

Carnations

Extra Fancy Blooms

of the finest grade, with excellent keeping qualities, just right for shipping orders.

\$2.00, \$3.00, \$4.00 per hundred.

A Trial Order Will Convince You. Let Us Have It Now.

GUST. RUSCH & CO.

448 Milwaukee St.,

MILWAUKEE, WIS.

J. F. Kidwell says that the Wellworth Farm Greenhouses have sold a strip of land to the C., B. & Q. R. R. Co. at a good figure and that in return he will also have a switch put in which he is in great need of and which he has been trying to secure for the past five years. He will also have the top dressing of the land which he sold to the railway company. This firm is now shipping some fine Killarney and White Killarney roses to the Chicago Flower Growers' Association's store, where they are having a good call.

A. T. Pyfer says that the carnation exhibits at the annual meeting of the Illinois State Florists' Association at Peoria last week were exceptionally fine. He believes that if ribbons were offered as first, second and third prizes the competition would be still larger.

The J. B. Deamud Co. is strong on bulbous stock of all kinds as well as carnations and a fine line of greens. Mr. Deamud has just returned from a Michigan business trip.

H. Van Gelder says Percy Jones broke the record for sales last Saturday, and that the total receipts for the day were the second best in the firm's history.

Mrs. A. Steinman, 2843 Lincoln avenue, slipped off the platform of a North avenue car one day last week, fracturing two ribs and suffering internal injuries.

Miss Marie Zurn, formerly with the Phoenix Nursery Co., Bloomington, Ill., has accepted the position of manager for John Steinmetz.

Visitors: A. L. Glaser, Dubuque, Ia.; A. C. Reicher, Michigan City, Ind.; Geo. Crabb, of Crabb & Hunter, Grand Rapids, Mich.; L. B. Brague and son, Hinsdale, Mass.; A. L. Brown, Springfield.



SATISFIED CUSTOMERS

Tell us that our baskets are the best obtainable. Send for a \$5.00 or \$10.00 Easter assortment and we will bill you at factory prices. **DO IT NOW.**

RAEDLEIN BASKET COMPANY

713-717 Milwaukee Ave., Chicago



Paasche "3-in-1" Air Brush

For applying paints, bronzes, enamels and liquids of all descriptions this brush has no equal.

Indispensable for Coloring Baskets

Florists will recognize this air brush as a great time and labor-saving device, which will give the necessary shades and blended effects so much in demand. The brush is instantly adjustable to furnish from a line to any spray and stipple effect wanted.

Paasche Air Brush Co., 606 Blue Island Avenue, CHICAGO, ILLINOIS.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

— Send Your Orders for Seasonable Flowers to —

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids, Violets and Other Seasonable Stock.

Long Distance Phone
Central 3598.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET

CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Magnolia Leaves

Cycas Leaves
AMERICAN OAK SPRAYS
Ruscus

Write for samples.

OSCAR LEISTNER, 17 North Franklin Street
CHICAGO

Selling Agents for OVE GNATT, Hammond, Ind.

WIETOR BROS.

Wholesale Growers of **CUT FLOWERS**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers
at Lowest Market Prices.

30 E. Randolph St., CHICAGO

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, March 12.	Per doz.
Roses, Beauty, specials.....	\$6 00
" " 36 in.....	5 00
" " 30 in.....	4 00
" " 28 in.....	3 00
" " 15-20 in.....	1 50@ 2 00
" " 12 in.....	1 00
" " Short.....	\$6 00@10 00
" Killarney.....	4 00@12 00
" White Killarney.....	4 00@12 00
" Richmond.....	4 00@12 00
" Prince de Bulgarie.....	4 00@15 00
" Radiance.....	4 00@12 00
" My Maryland.....	4 00@12 00
" Melody.....	4 00@12 00
" Mrs. Jardine.....	4 00@12 00
" Lady Hillingdon.....	4 00@12 00
" Sunburst.....	4 00@15 00
Carnations.....	1 00@ 4 00
Daffodils.....	3 00
Cattleyas.....per doz., 4 00@ 6 00	
Gardenias.....	2 00@ 4 00
Jonquils.....	3 00
Lilium Harrisii.....	10 00
Romans.....	2 00@ 3 00
Tulips.....	3 00@ 4 00
Violets.....	50@ 1 00
Valley.....	3 00@ 4 00
Sweet Peas.....	75@ 1 50
Adiantum Croweanum.....	1 00
Boxwood.....per lb., 25	
Ferns.....per 1000, 2 00@2 50	
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy.....per 1000, 5 00@6 00	
Plumous Strings.....each, 50@ 60	
Smilax.....per doz., 1 50@2 00	
Sprengerii, Plumous Sprays.....	3 00@ 4 00

ROSES

White and Pink Killarney and Richmond
Roses. Red, White and Pink Carna-
tions. Callas, Sweet Peas, and
Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

Mention the American Florist when writing

Chicago Carnation Co.

Wholesale Florists,

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

Mention the American Florist when writing

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing



CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

Wm. C. Smith Wholesale Floral Company

WHOLESALE FLORISTS

Quality and Promptness
Our Motto.

Both L. D. Phones.

A Full and Complete Line of
CUT FLOWERS AND SUPPLIES.

1316 Pine St., ST. LOUIS, MO.

Philadelphia.

AMERICAN BEAUTY SCARCITY CONTINUES.

The weather while cold, is for the most part bright, the past week proving excellent for the growers of Easter stock. These favorable conditions did not seem to affect the store trade to any great extent, however, and business was reported light by the retailers. The stock coming in is more than ample for the light demand, with the exception of American Beauty roses, which are as scarce as they have ever been. Florists with a half dozen go gunning around, trying to get one here or there, to help make up the dozen. Dealers get the retail men to call up other dealers in their efforts to get enough for a favored customer out of town. Specials, and they don't have to be "gilt edge," readily bring \$9.00 a dozen. Why does not some grower try a house, as they grow hybrids? One good crop at these figures would certainly pay. All other roses are in good shape. The Irish Fire Flame has made quite a hit as a fancy, it is not being sent to the market, except on order. All spare wood is going into the cutting bed to supply the great demand for young plants, orders for which are coming in fast, the variety selling on its merits without exploitation. Carnations are plentiful and of excellent quality. Among the new ones, gloriosa, the Dorners' new pink, is a great favorite and sells at sight. Gardenias are much too plentiful. The quality is extra fine, but they do not bring the price, there being far too many for the limited demand. Violets are ahead of the demand. Lily of the valley is about even. Easter and calla lilies are piling up. Snapdragon is seen in quantity and sells fairly well. Sweet peas are used in large quantities, selling as well if not better than almost anything else.

NOTES.

The M. Rice Co. is having a great business on all things that pertain to Easter. Plant baskets, potcovers, mats and crepe paper are in great demand. They are working nights to get their orders out.

Extra fine snapdragon is a feature at the Leo Niessen establishment. Large quantities of sweet peas are handled daily. Great preparations are being made here for the Easter trade.

Berger Bros.' central market is full of spring flowers, Easter lilies being a feature. The prospects for this holiday are good, many orders being booked.

Wholesale Flower Markets

PHILADELPHIA, March 12.	Per 100
Roses, Beauty, extra.....	50 00@60 00
first.....	20 00@35 00
Brides and Maids.....	4 00@12 00
Killarney.....	4 00@15 00
White Killarney.....	4 00@15 00
Liberty.....	6 00@15 00
Carnations.....	3 00@ 5 00
Cattleyas.....	35 00@50 00
Daffodils.....	2 50@ 3 00
Freestias.....	3 00@ 600
Gardenias.....per doz., 1 00@ 2 00	
Lilium Harrisii.....	8 00@12 00
Lily of the Valley.....	3 00@ 5 00
Calla Lilies.....	10 00@12 00
Marguerites.....	1 50@ 3 00
Snapdragons.....	10 00@20 00
Sweet Peas.....	75@ 1 50
Violets, single.....	75@ 1 00
double.....	75@ 1 00
Adiantum.....	75@ 1 00
Asparagus.....per bunch, 50	
Tulips.....	2 00@ 4 00

PITTSBURG, March 12	Per 100
Roses, Beauty, special.....	50 00
extra.....	30 00
No. 1.....	15 00
Killarney.....	3 00@10 00
My Maryland.....	3 00@10 00
Richmond.....	3 00@10 00
Carnations.....	3 00
Calla Lilies.....	12 00
Freestias.....	3 00
Gardenias.....	3 00
Daisies.....	2 00
Cattleyas.....	50 00
Violets.....	50@ 75
Sweet Peas.....	75@ 1 00
Lilium Longiflorum.....	12 00
Lilium Rubrum.....	8 00
Lily of the Valley.....	4 00
Daffodils.....	3 00
Tulips.....	3 00
Paper White.....	3 00
Romans.....	2 00
Poeticus Narcissus.....	1 00
Sweet Alyssum.....	20c
Baby Primroses.....	50
Oncidiums.....	4 00
Adiantum.....	1 25
Lilac.....per bunch, \$1 00	
Asparagus Sprengeri, per bunch, 35@40	
Sprays.....per bunch, 35@40	

MILWAUKEE, March 12.	Per 100
Roses, Beauty, per doz., 2 00@5 00	
White and Pink Killarney.....	4 00@12 00
Richmond.....	4 00@12 00
Carnations.....	2 00@ 5 00
Callas.....per doz., 1 50@ 2 00	
Easter Lilies, per 1000, \$125 00.....	15 00
Lilium Giganteum, per doz., 1 50@ 2 00	
Lily of the Valley.....	3 00
Sweet Peas.....	50@ 1 50
Tulips.....	3 00
Trumpet.....	3 00
Paper White.....	2 00@ 3 00
Violets, Wisconsin grown.....	75@ 1 00
Asparagus.....per string, 50	
Sprengeri, per bunch, 35	
Ferns, fancy.....per 1000, \$2 50	
Galax.....per 1000, 1 50	

St. Patrick's Carnation Fluid.

For Coloring Carnations Green.

Per Qt., \$1.00 Per Pint, 50c

GEO. H. ANGERMUELLER

Wholesale Florist

1324 Pine St., St. Louis, Mo.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

Easter Lilies, Tulips, Daffodils, Violets,
all the popular roses. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Mention the American Florist when writing

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.

1310 Pine Street ST. LOUIS, MO.

Mention the American Florist when writing

Per 1000
Dagger Ferns, \$1.50
Fancy Ferns, 2.00
THE LEO NIESSEN CO.,

You cannot find a better grade of ferns anywhere. Regardless of the price you are paying, we invite you to make comparison with others. Why pay more than the price we are quoting?

Wholesale Florists,
 N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
 Lickrun, Cincinnati, Ohio

Edward Reid

WHOLESALE FLORIST,
 1619-21 Ranstead St., PHILADELPHIA, PA

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
 Pittsburg, Pa.

The March meeting of the Florists' Club, was called "President's Night," in honor of President Thilow, who gave the members a great treat in his illustrated lecture on the flowers of the Canadian Rockies. Mr. Thilow is quite the equal as a lecturer of any of those who make it a profession, his delivery being better than that of most of them. His pictures, taken by himself, were very fine, particularly those of the flowers. A lunch was served in the foyer after the lecture. There was an exhibition of roses. Robert Scott and son staged Irish Fire Flame, Killarney Brilliant, a rose that is soon to make a sensation, and double Killarney. A. N. Pierson's Milady was seen in good shape. Mrs. Chas. Russell was staged by Pennock-Meehan Co., while Rohrer Brothers of Lancaster, staged their new red seedling carnation, a fine flower.

The efforts of a church in Cincinnati to curtail the use of flowers at funerals is receiving the attention of the publicity department of the Retailers' Association, who intend to combat the idea in every way they can. It appears that this is not a new thing, as it has been tried in New York for some time, but meets with little success. Relatives and friends of deceased persons, feel they are in duty bound to show their sympathy by means of floral tributes.

Paul Berkowitz, of the Bayersdorfer Co., says they can hardly get their orders out, they are having such a run on Easter baskets. They never had such a variety as is offered this season.

The city is full of florists from neighboring cities and towns, who are looking over the stocks of Easter plants, great quantities of which will be shipped out in the next ten days.

Edward Reid handles sweet peas by the thousands at this time. The quality is excellent. Choice carnations are also a leader.

Liddon Pennock and wife have returned from a visit to Mr. Pennock's father in Florida.

K.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street, BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, March 12.		
Roses, Beauty, special.....	per doz..	\$6 00
" " fancy.....	" "	5 00
" " extra.....	" "	3 00
" " No. 1.....	" "	2 00
" " No. 2.....	" "	50¢ 75
Per 100		
" Maid and Bride.....	5 00@ 6 00	
" Pink Killarney.....	5 00@12 00	
" White Killarney.....	5 00@12 00	
" Richmond.....	5 00@12 00	
" My Maryland.....	5 00@12 00	
" Aaron Ward.....	5 00@10 00	
Carnations.....	2 00@ 3 00	
Lilium Longiflorum.....	10 00@12 00	
Lily of the Valley.....	3 00@ 4 00	
Pink Japan Lily.....	3 00@ 5 00	
Narcissus.....	2 00@ 3 00	
Jonquils.....	2 00@ 3 00	
Violets.....	50¢ 60	
Mignonette.....	3 00@ 6 00	
Daisies.....	1 00@ 1 50	
Adiantum Croweatum.....	75¢ 1 50	
Asparagus, per bunch.....	35¢ 50	
Asparagus, Sprenger.....	35¢ 50	
Ferns.....	per 1000, \$2 50	
Galax.....	per 1000, \$1 50	
Smilax.....	15 00	
BOSTON, March 12.		
Roses, Beauty, best.....	50 00@75 00	
" " medium.....	18 00@25 00	
" " culls.....	4 00	
" White and Pink Killarney	2 00@ 6 00	
" " Extra.....	6 00@10 00	
" Taft.....	4 00@10 00	
" Cardinal.....	2 00@10 00	
" Ward and Hillingdon.....	2 00@ 8 00	
" Killarney and Richmond.....	2 00@ 8 00	
" My Maryland.....	2 00@ 8 00	
Carnations, select.....	2 00@ 3 00	
Callas.....	8 00@12 00	
Cattleyas.....	25 00@40 00	
Gardenias.....	12 00@25 00	
Lilium Longiflorum.....	8 00@10 00	
Lily of the Valley.....	2 00@ 4 00	
Sweet Peas.....	50¢ 75	
Smilax.....	12 00@16 00	
Violets, single.....	35¢ 75	
" double.....	25¢ 50	
CINCINNATI, March 12.		
Roses, Beauty.....	per doz., \$1 00@4 00	
" " Bride, Bridesmaid.....	3 00@ 8 00	
" " Killarney.....	3 00@ 8 00	
" " My Maryland.....	3 00@ 8 00	
" " Perle.....	3 00@ 8 00	
" " Richmond.....	3 00@ 8 00	
" " Taft.....	3 00@ 8 00	
Carnations.....	3 00@ 4 00	
Callas.....	12 50@15 00	
Lilium Giganteum.....	12 50@15 00	
Lily of the Valley.....	3 00@ 4 00	
Orchids.....	per doz., 4 00@ 6 00	
Narcissus.....	2 00@ 3 00	
Tulips.....	2 00@ 4 00	
Jonquils.....	2 00@ 3 00	
Dutch Hyacinths.....	3 00@ 4 00	
Roman Hyacinths.....	2 00@ 3 00	
Violets.....	50¢ 1 00	
" double.....	50¢ 75	
Freeseas.....	2 00@ 3 00	
Sweet Peas.....	35¢ 1 00	
Adiantum.....	75¢ 1 00	
Asparagus Plumosus.....	per bunch, 25	
Asparagus Sprenger.....	per bunch, 25	



Give Us a
 Trial
 We Can
 Please You.

Roses, Carnations and all kinds of
 Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
 Commission Florists,
BUFFALO, N. Y.
 Florists' Supplies and Wire Designs.

—THE—
J. M. McCullough's Sons Co.,
 Wholesale Commission Florists.
 —CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

**Jobbers of FLORISTS' SUPPLIES,
 SEEDS and BULBS.**

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
 Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO
Wholesale Commission Florists
Consignments Solicited
 Complete Stock of Florists' Greens and Supplies

ST. LOUIS, March 12.		
Roses, Beauty, long.....	per doz.,	4 00
Roses, Beauty, medium.....	8 00@15 00	
Roses, Beauty, short stems.....	3 00@ 6 00	
" Killarney.....	5 00@10 00	
" My Maryland.....	5 00@10 00	
" White Killarney.....	5 00@10 00	
Carnations.....	2 00@ 3 00	
Easter Lilies.....	10 00@12 50	
Lilium Rubrum.....	8 00	
Valley.....	4 00	
Violets.....	40¢ 60	
Asparagus Sprenger.....	2 00@ 3 00	
Asparagus Plumosus.....	per bu., 35¢ 60	
Ferns, New, Fancy.....	1 75	
Galax.....	per 1000, 1.2	

New York.

LITTLE CHANGE IN MARKET.

There is little change in the condition of the cut flower market from that of a week ago. During the latter part of the past week, American Beauty roses were more plentiful and by Saturday, March 8, the price for specials had dropped to about \$6.00 and \$7.00 a dozen. In Killarney and White Killarney roses some exceptionally good stock has arrived, but the demand has not been heavy. Of cut lilies, narcissus, tulips and hyacinths, there is an abundant supply, moving slowly. The large retail stores, with a surplus of spring flowers in evidence, are using them with fine effect for window decorations and other display purposes. Carnations and sweet peas are also very plentiful and of fine quality. In the retail stores many baskets of sweet peas, tastefully arranged with other small flowers, give a pleasing effect. In orchids, the cattleyas and oncidiums are sufficiently plentiful to be used for display purposes. In flowering shrubs, the forsythias, almonds, cherries and other blossoms are being much used, so it may truly be said that there is a wealth of bloom. Easter being at this writing just about two weeks ahead, it is quite natural that great interest is being manifested in plant stock. There are people who seem to think that trade this Easter will run more to cut flowers than it has during the past few years. However, we have heard no good reasons to sustain this supposition. We hope and believe that both cut flowers and plants will sell well. So far as we are able to judge there will be enough of both to supply all demands. We do not look for any great surplus in roses, lilies and carnations, but in the smaller bulbous stocks there is likely to be a heavy supply. Practically all the Long Island lily growers who supply this market will have fine Easter stock, but from some other sections reports are not so favorable. There are now lily growers who bring in cut stock throughout the year and they are factors and large ones in the trade. In Crimson Ramblers, Dorothy Perkins, Baby Ramblers and other pot roses, the supply and quality seems to be all that could be desired. Azaleas, hydrangeas, ericas, spireas and many other plants are also promising, therefore, we expect a good Easter trade.

Monday, March 10—The market is quiet today with declining prices. American Beauty roses are much more plentiful and good specials have dropped to \$6.00 and \$7.00 a dozen wholesale. In the roses No. 1 and 2 are very hard to move.

NOTES.

A feature at Geo. M. Stumpp's store, Fifty-eighth street and Fifth avenue, is a St. Patrick's Day show window. There are miniature donkeys hitched to miniature jaunting cars, in which shamrock decorations are very prominent. There are neat little green boxes, just large enough to hold a thumb-pot of shamrock and miniature "Blarney Castles," and a statue of St. Patrick.

Walter Klein, of J. H. Small & Sons' staff, of this city, was in Washington, D. C., for several days preceding and during the inauguration of President Wilson, helping out in their Washington store. This firm has decorated for nearly all the inaugural balls that have ever been held. There was no ball this year, but just the same, they had a good inaugural business.

We have been informed at the store of Geo. M. Stumpp, Fifty-eighth street and Fifth avenue, that they have made several shipments by parcel

post, all of which have proved satisfactory. With every shipment, they send a card, asking the consignee to notify them immediately if the flowers arrived in good condition.

At Alex. McConnell's store, Forty-ninth street and Fifth avenue, we recently noted very fine window decorations. In one large window there was a tasteful arrangement of forsythias, narcissi and other yellow flowers. In the Fifth avenue window, flowering almonds, cherries and other blooming shrubs made a fine display.

James H. Blauvelt, a former New Yorker, is spending a few days at his old home. For several years he has been with H. F. Littlefield, 552 Main street, Worcester, Mass. His mission here at the present time is to introduce the Tremper violet, which is exclusively handled by Mr. Littlefield.

The Horticultural Society of New York will have an exhibition of plants and cut flowers in the American Museum of Natural History, Saturday, March 15. A lecture will be delivered in the east assembly room in the afternoon by Edwin Jenkins, on "Roses, Outside and Under Glass."

Notable among a great variety of stock reaching this market, are the lilies from the range of C. W. Scott, Whitestone, L. I. This range, formerly known as the Hinode Floral Co., under the management of Mr. Scott, has made great advances in the production of fine stock.

Harry Bunyard is back at his desk in A. T. Boddington's store, after attending the meeting of the executive committee of the S. A. F., at Minneapolis. He was very favorably impressed with the hospitality of the Twin Cities and looks forward to a great convention.

Oliver B. Coomes, Jr., who has greenhouses and a retail store at Jamaica, L. I., is also a buyer in New York. In honor of St. Patrick's day, Mr. Coomes is passing around neat green cards with a shamrock and a miniature clay pipe attached to each card.

The Macniff Horticultural Co., 56 Vesey street, is now holding auctions every Tuesday and Friday. They are very well supplied with roses, climbing, standard and dwarf, as well as a great variety of other plants, and their rooms are well worth a visit.

At Thorley's House of Flowers, there are always very attractive features. With an eye single to pleasing effects, Mr. Thorley has gathered about him a staff that can do the work. Nothing but the best stock is used and it is used to the best advantage.

Alexander Dutcher of the New York Cut Flower Co., who was in a hospital for a time and was sick for about two months, has so far recovered as to be able to return to business, which is pleasing news to his many friends.

Lambros Mullinos, well known in the flower trade of this city, has opened a handsome flower shop at Broadway and Thirty-third street. He has interests in two other retail stores.

Patrick Welch of Boston, Mass., spent several days in this city during the past week. When Mr. Welch comes around, it is a sure sign that business is yet moving.

E. L. Lang has taken the retail store at 974 Lexington avenue, corner of Seventy-first street, formerly occupied by N. C. Schreiner.

John Young, secretary of the S. A. F., is out of the hospital and hard at work at his desk.

S. M. Baker, a retail florist of Binghampton, N. Y., was in the city March 8.

A. F. F.

New York Florists' Club.

MONTHLY MEETING.

The New York Florists' Club held its monthly meeting on the night of March 10 in the Grand Opera House building, President Siebrecht in the chair. Secretary John Young, who recently underwent an operation, was able to be present. President Siebrecht spoke of his visit to the recent meeting at Ithaca, N. Y., and stated that the exhibits there were very creditable. He spoke of a bill now before the New York legislature to appropriate \$60,000 for greenhouses at the agricultural college. It is the aim of the framers of the bill to have 60 per cent of this sum used for floricultural improvements and 40 per cent for vegetable work. Patrick O'Mara also spoke at length on this subject and urged florists and their representatives throughout the state to use their influence for the passage of the bill. He also suggested that the trade press give the matter their sympathy and support, that all florists throughout the state may be impressed with the importance of having the bill passed.

John B. Nugent reported for the dinner committee. The annual dinner will be held on April 10 at the Hotel Astor. There will be accommodations for 800 persons, each table seating ten. Tickets will be \$4.00 each. Harry Bunyard, who recently returned from the meeting of the executive committee of the Society of American Florists at Minneapolis, Minn., spoke at length relating to the armory where the August convention will be held, and gave details of the convention arrangements. He stated that the armory was as large as the Chicago Coliseum and that the interests of exhibitors will be well taken care of. The business session of the convention will continue four days, the fifth to be the day of entertainment.

The following committee on transportation to the convention was appointed: Harry Bunyard, Thos. B. DeForest, A. L. Miller and Frank Traendly. A special meeting of the club will be held, on the call of the president, some time before or during the show. Harry Bunyard suggested that the Plant Growers' Association and allied organizations be requested to attend that meeting. J. Austin Shaw, a member of the club, who has been seriously ill, was reported improving. M. C. Ebel spoke of a bowling contest to be held at Thumm's Alleys March 9 by the National Association of Gardeners, which will also be open to members of the Society of American Florists. Many prizes have been offered for competition. A number of new members were admitted and others proposed. Chas. H. Totty spoke of the coming Third International Flower Show.

The following exhibits were staged and passed upon by the exhibition committee:

Rose Killarney Brilliant, by S. S. Pennock—Meehan Co. (Robert Scott, Sharon Hill, Pa., grower), 88 points. Rose Irish Fire Flame, same exhibitors and grower, 85 points.

Rose White Baby Rambler, by A. L. Miller, Brooklyn, N. Y., vote of thanks.

Carnation Red Spring, by Valentine Cleres, Glen Cove, N. Y., vote of thanks.

Carnation Laura Weber, new seedling, Enchantress shade, by Chas. Weber, Lyndbrook, N. Y., 86 points.

Carnation, white seedling, Prosperity X. Winco, by Frank Dinda, Farmingdale, N. Y., 86 points.

Sweet Peas, Chas. Zvolanek, Bound Brook, N. J., vote of thanks. A. F. F.

STURGEON BAY, WIS.—Horticulturists of this state will meet here March 19. Illustrated lectures will be a feature of the meeting.

PHILADELPHIA

NEW YORK

WASHINGTON

OFFICIAL

S. A. F.

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FOR CUT FLOWERS: in two colors on gummed paper: your card, etc., in black and leaf adopted by the S. A. F. in red
 Price per 500, \$2.85; per 1000, \$4.50. Samples on request.
 Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago**S. S. Pennock-Meehan Co.****WHOLESALE FLORISTS****109 West 28th Street, NEW YORK**

Everything in Cut Flowers.



PERCY B. RIGBY, Treasurer.

Everything in supplies.

Geo. C. Siebrecht
WHOLESALE FLORIST**109 West 28th St., NEW YORK**
Tel. 608 and 609 Madison Square**CONSIGNMENTS SOLICITED****Guttman Flower Growers Co.**A. J. GUTTMAN, President.
Wholesale FloristsRemoved to 102 W. 28th St., New York
Phone 1912 and 7983 Madison Square.
18 Years Experience.**The Kervan Company**
FRESH CUT EVERGREENSand Mosses, Decorating Material for Florist
Trade, at Wholesale.TELEPHONES MADISON SQUARE 1519-5893
119 West 28th Street NEW YORK**Paul Meconi**
Wholesale Florist
55-57 West 26th Street
NEW YORK CITY
Telephone: 3864 Madison Square**Brooklyn Notes.**

Geo. I. Laird has recently made improvements in the conservatory connected with his retail store, 3014-3018 Fulton street, and will be well prepared to make a fine Easter display. He grows a considerable stock of plants, buying his cut flowers from the Greater New York Florists' Association, of which he is one of the directors.

A. L. Miller is now busy with preparations for Easter. At his Jamaica avenue range much good bulb stock is coming on, and another noteworthy feature is a good supply of sham-rocks. His lilies and much other fine stock are grown at his more extensive range, Jamaica, L. I., to which he makes daily trips.

Miss Mae B. Golden, formerly with R. G. Wilson, has opened an attractive flower shop at 59 Lafayette avenue. She had been with Mr. Wilson for eight years. John Ross, for a number of years in charge of the table decorations of Sherry's noted New York restaurant, has been engaged as manager.

One of the very attractive retail stores of Brooklyn is that of C. Huber, 1253 Bedford avenue. His store, not only in floral arrangement but in other details, shows fine taste and judgment. He has a fine collection of artistic pottery, and manufactures his own rustic designs in variety.

The irrepressible John Weir is seen daily in the wholesale cut flower district of New York. Age does not wither him and he does not grow stale with custom. On calling at his store, 324 Fulton street, we found him busy and happy as usual.

Fred Muchmore's store at 1164 Fulton street is attractive and he was

VIOLETS \$1 per 100

FOR

Double Violets

Direct from the largest grower

Telephone-Telegraph Connection

J. VONDER LINDEN, Rhinebeck, N. Y.**Wholesale Flower Markets**

NEW YORK, March 12,	Per 100
Roses, Beauty, special.....	50 00@60 00
" " extra and fancy.....	40 00@50 00
" " No. 1 and No. 2.....	2 00@15 00
" " Bride, Bridesmaid special.....	5 00@8 00
" " extra and fancy.....	3 00@4 00
" " No. 1 and No. 2.....	1 00@2 00
" " Killarney, My Maryland.....	8 00@10 00
" " special.....	4 00@6 00
" " No. 1 and No. 2.....	1 00@3 00
" " Queen, special.....	10 00@12 00
" " Red, special.....	10 00@12 00
" " Hillingdon, Aaron Ward.....	10 00@12 00
" " Richmond.....	8 00@12 00
" " Sunburst, special.....	6 00@15 00
" " Taft, special.....	12 00@15 00
" " Mrs. Geo. Shawyer, special.....	15 00@20 00
Carnations.....	1 00@3 00
Jonquils.....	1 00@1 50
Cattleyas.....	20 00@35 00
Gardenias.....	10 00@30 00
Tulips.....	1 00@1 50
Lilies, Longiflorum and Harrisii.....	6 00@8 00
L. Rubrum.....	10 00
Lily of the Valley.....	1 00@2 00
Narcissus, Paper White.....	1 00@1 50
Sweet Peas, per doz. bunches.....	50@1 00
Violets.....	15@30
Adiantum Croweanum.....	15@50
Asparagus Plumosus, doz. bchs.....	1 50@3 00
Smilax.....per doz. strings.....	1 00@1 25
Lilac.....per bunch, 25@75c.....	
Freesias, per doz. bun.....	1 50@2 00

found busy. He is becoming interested in the approaching Third International Flower Show.

Fitzsimmons & Rooney, 161 Court street, have a good store and are doing a good business. The senior member of this firm has been in business many years and is now an aged man, but he is yet active about the store, only complaining of a little rheumatism.

Charles Quenzer, who now has the store at 252 Court street, once conducted by Hyatt & Co., carries in addition to cut flowers a good line of seeds.

Wm. H. Kuebler, 28 Willoughby street, ably assisted by his brothers, Charles and Louis, is prospering finely in the wholesale business.

N. Scoffes has two stores, one at 501, the other at 656 Nostrand avenue. He carries a good stock and does a good business.

At Robert G. Wilson's we found business good and Easter preparations there too were in evidence.

C. E. Applegate's store is always attractive and shows evidence of business prosperity.

George H. Blake, of Bonnet & Blake, has been doing jury duty for the past two weeks.

A. F. F.

**HORACE E. FROMENT****WHOLESALE COMMISSION**American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.**57 West 28th St., NEW YORK CITY**

Telephones: 2200 and 2201 Madison Square.

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Successor to Kessler Bros.

113 W. 28th St., NEW YORK.**CUT FLOWERS****WHOLESALE PLANTSMEN AND FLORISTS**Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.**N. Y. Cut Flower Exchange**Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.**Flower Colors**Use our **COLOR CHART** in describing them**PRICE, \$1.00 POSTPAID.****American Florist Co.,****440 S. Dearborn St.,****CHICAGO**

M. RICE CO.

HEADQUARTERS FOR
Easter Supplies
AND RIBBONS.

1220 Race St., PHILADELPHIA, PA.

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of



Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
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H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

We are now filling orders for

Southern Wild Smilax

Natural and
Perpetuated Sheet

MOSSES

E. A. BEAVEN, Evergreen, Ala.

SPHAGNUM MOSS

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The Jersey' kind; Burlapped; selected stock. Ten Barrel Bales. 1 bale, \$4.25; 5 bales, \$4.00 each; 10 bales, \$3.75 each; 25 bales, \$3.50 each; car lots. Write for prices.

LIVE SPHAGNUM, \$1.25 per bale.

ROTTED PEAT, 70c each.

J. H. SPRAGUE Barnegat, N. J.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala

Spring Vacation Trips

Personally conducted, May 21, June 4, 11, 18 and 25, on the Mississippi, Ohio and Tennessee rivers; from Chicago via St. Louis, 1900 miles for \$29.00, including meals and berth on steamer. Sixteenth year. Write or call for circulars.

Wabash Office,

68 West Adams St., Chicago.

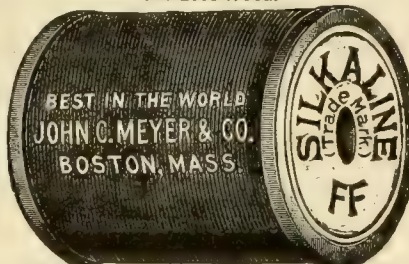
Galena, Ill.

As the result of a long drive into the country with a wagon load of designs, palms, etc., for a funeral, B. F. Vandervate, the florist, is laid up with a severe cold and pneumonia is feared.

Business has been good, especially funeral work, and a large supply of spring stock is coming along nicely.

LA PORTE, IND.—The opening of the Kaber Flower Store, 808 Jefferson avenue, took place March 5. This is the first establishment in town where flowers and plants are sold exclusively. The new store is fitted with marble counters and other modern improvements. The Kaber Co. will discontinue the sale of flowers at the greenhouses.

Do Not Take Any Fake Green Thread. Use the Genuine Silkline and Get More Thread and Less Wood.



JOHN C. MEYER THREAD CO.,

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Box Food.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

SEND TEN CENTS

FOR A SAMPLE OF THE
Ever-Ready Flower-Pot Cover.



Strong cardboard foundation. Best waterproof crepe paper, silk fibre ribbon-ties at top and bottom. Firmly held with improved metal fastenings. Furnished in four colors and made in many sizes. An Ever-Ready Flower Pot Cover around the old clay pot will increase the value of the plant considerably and add to your profits. Send 10c for a sample today.

Manufactured by the

EVER-READY FLOWER-POT COVER CO.

WM. H. GREVER, Manager

146 Hughes Avenue

BUFFALO, N. Y.

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50

A most pleasing substitute for Green Wild Smilax
New crop Fancy and Dagger Ferns now ready.

Write, wire or phone.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN,

ALABAMA

Mention the American Florist when writing

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Special, \$4.00

Dave Rosenberg

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Mention the American Florist when writing

We have a fine stock of fresh gathered

M O S S

Long and clean from sticks and it cannot be excelled for Florists' use

Burlapped

1 10 bbl. bale\$3.50
2 10 bbl. bale 6.50

While our Present Stock Lasts.

These goods are Guaranteed. References given

THE OCEAN COUNTY MOSS & PEAT CO.

P. O. Box 11, WARETOWN, N. J.

GOLDFISH



"Something
Alive in the
Window"

Catches
the public eye.

Order your
supply now.

\$3.00 per 100
and up.

Write for catalog

AUBURNDAL GOLDFISH CO.

920 W. Randolph Street,

CHICAGO

CUT FERNS, Best Quality

1,000 at \$1.35;
2,000 at \$2.60;
5,000 or over \$1.20 per 1000

Robert Groves, 127 Commercial St. ADAMS, MASS.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

DULUTH, MINN.

2 STORES 2

SUPERIOR, WIS.

J. J. LEBORIOUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Brooklyn New York.

"WILSON"

3 and 5 Greene Ave., Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.
Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Terre Haute, Ind.

John G. Heinl & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail,
Telephone, Telegraph and Cable orders with
best quality stock in season

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Chicago.

A. LANGE,

25 E. MADISON ST.

Mention the American Florist when writing

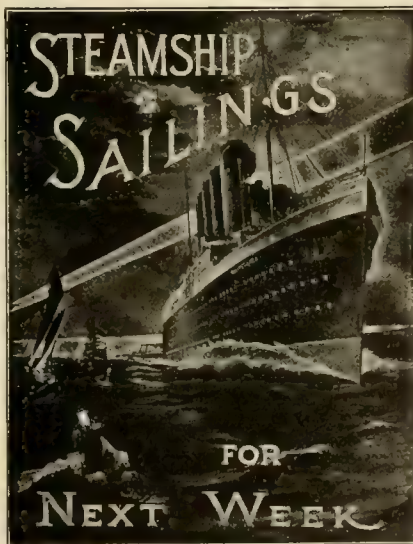
Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

March 15.

FROM HALIFAX, Victorian, Allan.
California, Anchor, 12 noon, Pier 64, North
River.

FROM PORTLAND, Ascennia, Cunard.

Caronia, Cunard.

Chicago, French.

Philadelphia, American, 9:30 a. m., Pier 62,

North River.

Kroonland, Red Star, 10 a. m., Pier 61, North

River.

FROM BOSTON, Canopic, White Star, 4 p. m.

FROM PORTLAND, Cimric, White Star, 10

a. m.

America, Ham, Amer., 11 a. m.

Koenig Albert, North Ger. Lloyd, 11 a. m.

Pruth, Norton.

Oruba, Royal Mail, Pier 42, North River.

March 18.

Rotterdam, Holland-America, 10 a. m.

Kaiser Wilhelm II, North Ger. Lloyd, 10 a. m.

Sant Anna, Fabre, 3 p. m.

March 19.

Campania, Cunard.

FROM BALTIMORE, Rhein, North Ger. Lloyd,

2 p. m.

Alicia, Austro-American, 1 p. m.

March 20.

FROM PORTLAND, Parisian, Allan.

La Provence, French.

Baltic, White Star, 12 noon.

President Lincoln, Ham, Amer., 8 a. m.

FROM ST. JOHN, Lethia, Donaldson.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to
any part of the United States, Canada
and all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Reference or Cash must accompany all orders
from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

Memphis, Tenn.

HAISCH'S

Madison and Main Streets

L. D. Phone 726

All orders will be filled carefully and promptly de-
livered in Memphis and all other Tennessee cities.

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater
orders. Prompt delivery and best
stock in the market.

Mention the American Florist when writing

Dallas, Texas.

The Texas Seed and
Floral Company

Orders for cut flowers and designs solicited for
delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Kansas City, Mo.

**WILLIAM L. ROCK
Flower Co.**

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Boston, Mass.



"Penn, The Telegraph Florist"
Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Omaha, Neb.

**Hess & Swoboda
FLORISTS,**

1415 Farnum St.

TELEPHONES
1501 and L 1582

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Carbone, Philip L., Boston.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Halsch's, Memphis, Tenn.
Heini & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthewson, J. E., Sheboygan, Wis.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McClunie, Geo. G., Hartford, Conn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Ostertag Bros., St. Louis.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pellicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Philips Bros., Newark, N. J.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Wills & Segar, London, England.
"Wilson," 5 and 6 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfkill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON

D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Indianapolis, Ind.

**Bertermann Bros. Co.
FLORISTS**

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

**The Park
J. A. VALENTINE, President,
Floral Co.**

Members Florists' Telegraph Delivery.

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

PELICANO, ROSSI & CO.,
123 KEARNY ST.

Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.
Mention the American Florist when writing

M. A. Rowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dis. Phones.

Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE

Montreal

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

FLOWER COLORS

Use our Color Chart in describing them.

PRICE, \$1.00, POSTPAID.

AMERICAN FLORIST CO.

440 South Dearborn Street, CHICAGO

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists'
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Penn, the Florist, 43 Bromfield St.
Boston—Philip L. Carbone.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Hartford, Conn.—Geo. G. McClunie.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City.—Geo. M. Kellogg, F. & P. Co.
Kansas City.—Samuel Murray.
Kansas City.—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles.—Wolfskill Bros. & M. Goldenson.
Memphis, Tenn.—Halsch's.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio.—Chas. A. Duerr.
Newark, N. J.—Phillips Bros.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Rowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
Sheboygan, Wis.—J. E. Matthews.
St. Louis, Mo.—Ostertag Bros.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellcano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Heini & Son.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Blackstone.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to
orders from out-of-town florists.

Los Angeles, Calif.

**O. C. SAAKES
FLORIST,**

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.
Jefferson and Washington Ave.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Schiller The Florist
2223 W. Madison St.
CHICAGO

All orders carefully filled under the supervision of
GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heint)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No. NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

Boston, Mass.

Philip L. Carbone

IMPORTER

Florist and Decorator

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

PHILIPS BROS, 938 Broad St.

NEWARK N. J.

Artistic Floral Work and Long Stem
Beauties Our Specialty.

Hartford, Conn.

GEORGE G McCLUNIE

187 Main Street

'FLOWERS' Your Orders Solicited

My Only Store. Phone Charter 6535-2

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Chicago Bowling.

C. C. F. LEAGUE.

Team Standing.

Individual and team scores for
games played March 5:

Won. Lost.		Won. Lost.	
Roses	34 26	Orchids	30 30
Violets	30 30	Carnations	26 34
Orchids.		Roses.	
Krauss	177 119 161	Goerisch	150 138 114
Graff	149 181 124	Phillips	106 114 120
Brostrom	148 146 151	Brozeon	189 136 120
Econ'p'lus.	134 168 124	Byers	151 138 182
J. Zech	155 150 140	Price	164 165 171
Totals	763 762 700	Totals	760 691 707
Violets.		Carnations.	
Huebner	154 181 199	Lorman	133 147 136
Huebner	155 148 126	Lieber'n	152 183 119
Cole	121 122 126	Armstrong	147 110 99
Schultz	162 167 174	Ayers	145 146 160
J. Hueb'r.	148 136 206	A. Zech	168 145 150
Totals	740 752 831	Totals	745 731 664

BROOKLYN, N. Y.—K. Rodmann, 43 Conway street, will build a new greenhouse, 36x108 feet and six inches.

DAVENPORT, IA.—The first edition of the proceedings of the Society of Iowa Florists has been published by Wesley Greene of this city, secretary of the Iowa State Horticultural Society. The book contains 208 pages and reviews the society's work for the last 20 years.

GRAND FORKS, N. D.—The Johnson Floral Co. has moved from DeMers avenue to Fourth street. The Grand Forks Floral Co., a new concern of which E. G. Lempke, formerly of Minneapolis, Minn., is manager, will occupy the place vacated by the Johnson firm.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

Louisville, Ky.

F. Walker & Co.,
FLORISTS

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

Mention the American Florist when writing

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, CANAL ST.—838

Mention the American Florist when writing

Washington, D. C.

Blackstone

14th and H. Street.

Mention the American Florist when writing

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries
throughout the state and to all steamship docks
in Hoboken, N. J., and New York.

Mention the American Florist when writing

For Wisconsin Delivery

—OF—

"HOME GROWN FLOWERS"

Get in touch with

J. E. Matthewson
SHEBOYGAN, WISCONSIN

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

30,000 Lily Plants IN POTS FOR EASTER



Short Plants from 10 to 15 inches high, 10c per bud.

Plants from 18 to 20 inches high, 12 1-2c per bud.

Plants from 24 to 30 inches high, 15c per bud.

Spirea Gladstone, 5 to 7-inch, 35c. to 75c. each.

Rambler Roses, 50c. to \$1.00 each

Genistas, strong 5-inch, 50c. each and \$5.00 per doz.

Cyclamen in full bloom to make room, 5 to 7-in., 35c. to 75c. each.

 **Would advise ordering LILIES Early so they can be shipped in bud formation**

DECORATIVE STOCK.

Ficus Pandurata, strong, 6-inch, - - - - - \$3.50 each

Ficus Elastica, strong, 6-inch, - - - - - 75c to \$1.00 each

Dracaena Massangeana, well colored, 6-inch, - - - - - \$1.00 to \$1.75 each

Pandanus Veitchii, highly colored, 5-in., \$1.00 each; 6-in., \$1.50 each; 7-in., \$2.50 each

Palms.

Kentia Forsteriana and Belmoreana, all sizes from 4 to 12-inch tubs in fine condition. Fine decorative stock ranging in price from 35c to \$15.00 per 1000.

Boston Ferns.

2 1/4-in. pots, \$3.50 per 100; \$30 per 1000 7-in. pots, 75c each; \$7.50 per doz.

3-in. pots, \$6 per 100; \$50 per 1000 8-in. pots, \$1.00 each; \$10 per doz.

6-in. pots, 50c each; \$6.00 per doz. 10-in. pots, \$2.50 ea.; 12-in., \$3.50 ea.

Roosevelt Ferns.

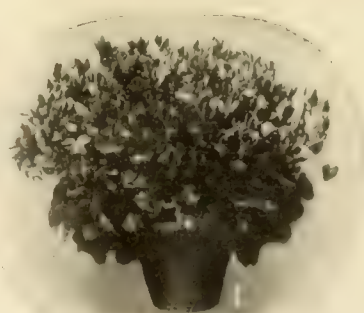
4-inch, 20c each; \$2.00 per doz.

5-inch, 35c each; \$3.50 per doz.

Table Ferns--10 Varieties.

2 1/4-in. pots; \$3.50 per 100; \$30 per 1000

3-in., strong, \$6.00 per 100; \$55.00 per 1000



POEHLMANN BROS CO.

PLANT DEPARTMENT

MORTON GROVE, - ILLINOIS

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

VISITED CHICAGO: C. P. Coy, of Waterloo, Neb.

JESSE E. NORTHRUP, Minneapolis, Minn., is reported seriously ill in Florida.

VENTURA, CALIF., Feb. 26.—Seven inches of rain fell here and all went into the ground. G.

A. H. GOODWIN, of the W. W. Barnard Co., Chicago, sailed from Genoa, Italy, March 6, homeward bound.

BOSTON, MASS.—R. & J. Farquhar & Co. report business in January and February ahead of that of last year.

CUBA has established a quarantine against the Canary Islands because five deaths from bubonic plague occurred there.

CHICAGO.—Prices on the Board of Trade March 12 for grass seed were noted as follows: Timothy, \$3 to \$4 per 100 pounds.

J. M. THORBURN & Co., New York, are distributing a neatly framed colored picture of the hybrid African daisies (dimorphothecas) in variety.

ST. PAUL, MINN. — Unseasonable weather up to March 3 is no doubt responsible for the slow business to date in the seed trade. There is still time, however, for snowy zero conditions to pass away and a lively trade to set in.

Onion Sets in Indiana.

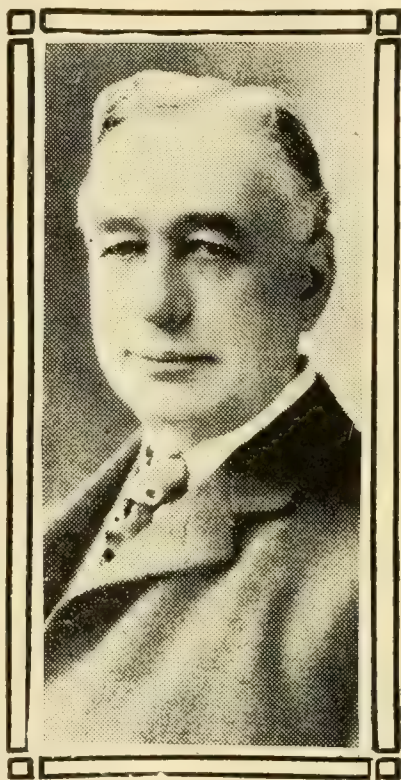
A. J. Brown, Grand Rapids, Mich., reports Globe onion sets in the onion section of Indiana are down to ten cents and fifteen cents. It is reported that there will be a great decrease in acreage of large onions the coming spring, due, not so much to the fear of low prices another season, as to the fact that labor costs have advanced so that there is very little money in raising onions, even at a fair market. The result of the low prices on onions has been a great reduction in the market on Globe onion sets, which promised to be extremely high the beginning of the season. The fear that all of the Ohio and Indiana farmers will put out their almost valueless onions for seed, has caused the jobbers of onion seed considerable worry, and future business on Globe onion seed is very light.

Secretary of Buckwheat Cakes.

The effort has been made of late years to have the Government take care of all our affairs, domestic or otherwise. But the proposition just introduced in Congress goes beyond anything so far introduced into that body. It proposes to regulate the internal economy of the hotels and other houses of entertainment in the city of Washington. Has it come to this, that Congress assumes the right to dictate what we shall pay for buckwheat cakes?—New York Sun.

Southern California Rains.

Los Angeles.—The sweet pea outlook and all crop conditions are more promising in Southern California than they were last year at this time. The situation has been brought about through the rainstorm we had here February 23-24, which in 24 hours changed the entire outlook for crops



The Late J. A. Bolgiano.

See Obituary, Page 421.

here this year. The storm seemed to take Pasadena and Los Angeles for a center, precipitation ranging from 7 to 9 inches. All districts within a radius of a hundred miles felt the beneficial effects, the storm not traveling any further north than Santa Barbara. In his recent trip down the coast the writer was struck with the contrast between the looks of the

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Growers of
High Grade
SEED

Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

country in the north and here in the south. Up around San Francisco and down to the central part they are still waiting for rain, while around Los Angeles grain raisers, beet growers and seed farmers are all busily at work getting crops planted. However, three or four inches of rain within the next few weeks would change the looks of things up north and do much to equalize conditions.

H. W. Buckbee, Rockford, Ill., arrived March 6 and is calling upon the trade here.

Chinese Narcissus Bulbs.

The variety of narcissus bulb grown in the Amoy district of southern China is the Narcissus tazetta. It is stated, but not believed, that these bulbs were first brought to the East by Marco Polo about the close of the thirteenth century (1271-1288). The more probable explanation seems to be that they were brought here by the Dutch who came to South China in 1622 and, after a number of unsuccessful attempts to gain possession of mainland territory, settled in the Pescadores. They were driven out from these islands by the Chinese and compelled to retreat to Formosa, where they erected two forts, one at Tamsui and the other, called Fort Zeelandia, at Anping.

The great bulb fields are in the vicinity of Changchow, a city with an estimated population of 100,000, located 30 miles up the Hailing River from Amoy. There seems to be something in the soil of that district peculiarly adapted for the growing of these bulbs, for when the bulbs of Changchow went on the European market about 30 years ago they were of such excellence that they were at first taken for a new variety.

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Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

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BAUER Seed Germinator.

A simple, practical device for making accurate germination tests of seeds and grains.

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Price 35c each or \$3.60 per dozen

BAUER GERMINATOR CO.,
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Mention the American Florist when writing

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Wholesale Price List for Florists
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R. & M. GODINEAU,
SEED GROWERS,
Angers - France.

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Celeries, Parsleys, Parsnips, Turnips.

Growing Crops Given Personal Attention.
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Pepper, Asparagus, Tomato, Musk and
Water Melon. For sale: Asparagus,
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Cucumber, Muskmelon, Squash and Pumpkin,
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Lawn Grass

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Special mixtures furnished if desired. We also carry a
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ONION SETS **GROWERS FOR THE TRADE**
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**OLDEST ESTABLISHED AND LARGEST WHOLESALE AND CONTRACT SEED CORN
GROWERS IN THE UNITED STATES:** Have made this our specialty for over thirty years. We
grow all the leading standard, best varieties of field Dent, Flint, and Sweet sugar corn, for the
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WHOLESALE ONLY

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PERENNIAL RYE GRASS SEED

Fall Importation. \$3.75 per 100 lb. bag, f. o. b.

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Write for prices on the 1912 crop.

We are also submitting contract figures for the 1913 crop of Onion Seed. **SCHILDER BROS.,** Chillicothe, O.
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TUBEROSES

True Dwarf Pearl.

Per 1000

First Size, 4-6 inch.....\$ 9.00
Medium, 3-4-inch..... 5.00

CALADIUMS (Esculentum)

5 to 7-inch\$15.00
7 to 9-inch 30.00
9 to 11-inch 55.00

GLADIOLUS

Per 1000

Mrs. Francis King, medium size.....\$15.00
Augusta, first size..... 16.00
" medium size..... 13.00
America, first size..... (3,000 for \$70.00) 25.00
" medium size, while unsold..... 20.00
Kunderdi Glory, first size..... 40.00
Chicago White, the one best early..... 50.00

Tuberous Rooted Begonias

	Per Doz.	100	1000
Single Sorts, white, scarlet, yellow, pink.....	\$.40	\$2.50	\$22.00
Single Sorts, mixed.....	.35	2.25	20.00
Double Sorts, white, scarlet, yellow, pink.....	.65	4.50	40.00
Double Sorts, mixed.....	.60	4.00	37.50

GLOXINIAS

Grassifolia Grandiflora

All the spotted and Tigered variations in sound bulbs Doz. 100 1000
Separate colors.....\$.60 \$3.50 \$30.00
Choice mixture..... .50 3.20 28.00

LILY BULBS

Per 100
Album, 9-11 inch..... 12.50
Auratum, 9-11 inch..... 10.00
Rubrum, 8-9 inch..... 6.00
Rubrum, 9-11 inch..... 9.00

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SURE TO GROW

Asters, Queen of the Market.....oz.	\$0.50
Ageratum, Blue.....oz.	\$0.60
Alyssum, Little Gem.....	.75
Lobelia, Emperor William, Blue.....	.30
Pansy, Giant Strain.....	.75
Petunia, Superfine Mixed.....	1.25
Phlox, Drumundii Mixed.....	.75
Stock, Ten Week Double.....	.55
Verbena Hybrida, Mixed.....	1.00
F. O. FRANZEN, 1476 Summerdale Av., Chicago	.55

Send for trade list.

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PLANTS, SEED, BULBS.

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OF ALL KIND APPLY TO

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Boston, England

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Boddington's Quality GLOXINIAS

Gloxinia Erecta Grandiflora

This popular flowering plant is coming into greater vogue than ever, not only as a pot plant for house decoration, but also for cut flower purposes. Our strains of Gloxinias are the true erect-flowering type, grown by a specialist in Europe.

	Doz.	100	1,000		Doz.	100	1,000
Blanche de Vera. White, rose-bordered	\$0.60	\$4.25	\$40.00	Mont Blanc. Snow-white	\$0.60	\$4.25	\$40.00
DeBance. Glittering crimson	.60	4.25	40.00	Prince Albert. Deep purple	.60	4.25	40.00
Emperor William. Blue, white border	.60	4.25	40.00	Princess Elizabeth. White, bordered blue	.60	4.25	40.00
Etoile de Feu. Carmine-red	.60	4.25	40.00	Princess Mathilde. White, with rose crown	.60	4.25	40.00
Kaiser Frederick. Scarlet, white margin	.60	4.25	40.00	Queen Wilhelmina. Dark rose	.60	4.25	40.00
King of the Reds. Dark scarlet	.60	4.25	40.00	Boddington's Spotted Varieties. These contain the most distinct and remarkable colors	.60	4.25	40.00
Madame Helene. White, with violet crown	.60	4.25	40.00	All Colors Mixed.	.50	3.75	35.00
Marquis de Peralto. White, red-bordered	.60	4.25	40.00				

Gloxinia Erecta Superbissima

Having during the past season been requested to secure some specially fine Gloxinias for exhibition purposes, we have made arrangements with a noted Gloxinia specialist in England to reserve for us some of the most distinct types. The bulbs are not so large as the Named Varieties, but this is a characteristic of most Erecta superbissima varieties.

BODDINGTON'S IDEAL PRIZE GIANT MIXED. Great variety of superb colors.

CYCLOPS. Velvety carmine, shading to a broad white border, throat dotted with dark red.

DUCHESS OF YORK. Flowers of a rich dark blue, each petal being edged with a broad band of white. A most striking and lovely variety.

SPOTTED HYBRIDS. Whenever exhibited, they create intense interest. The delicate markings, in an infinite variety of forms, add a special charm to the flowers.

SUTTON'S WHITE. A giant white flowered variety. **DUKE OF YORK.** Large scarlet Gloxinia with deep white edge to each petal. A magnificent flower.

HER MAJESTY. This exquisite Gloxinia is still unsurpassed by any other white variety. The flowers are as pure as newly fallen snow, and are borne on short stems, just clear of the elegantly recurved foliage.

READING SCARLET. In color this is the most brilliant Gloxinia in existence, being an intense glowing scarlet variety of the true Crassifolia habit. An admirable companion to Her Majesty.

GOLIATH. Violet and white, fine variety. Per doz. \$1.50; per 100, \$10.00.

Boddington's Quality Tuberous-Rooted BEGONIAS

Single-Flowering Tuberous Rooted

For planting in beds and where color effect is desired. Our stock of these bulbs will be found true to color and free from mixture.

Crimson	Rose White, Pure	Salmon	Scarlet	Yellow	Pink, Light	Copper	Orange
Large bulbs measuring 1 1/4 inches and upward, separate colors or all colors mixed, 35 cts. per doz., \$2.25 per 100, \$20.00 per 1,000; extra large bulbs, 1 1/2 inches and up, same colors as above, 40 cts. per doz., \$2.75 per 100, \$25.00 per 1,000.							

Double - Flowering Tuberous - Rooted.

These can be depended upon producing 100 per cent double flowers and contain very large and choice varieties.

Crimson	White, Pure	Yellow
Scarlet	Copper Bronze	Orange
Rose	Salmon	Light Pink

Large bulbs measuring 1 1/4 inches and upward, separate colors or all colors mixed, 50 cts. per doz., \$3.50 per 100, \$30.00 per 1,000; extra large bulbs, 1 1/2 inches and up, same colors as above, 65 cts. per doz., \$4.00 per 100, \$35.00 per 1,000.

Single Crested Begonias

This strain of Begonias ranges in all colors—salmon, pink, white, yellow, copper and scarlet; petals carry on the upper side a crested-formed cockscomb. Separate colors, 80 cts. per doz., \$6.00 per 100; mixed, 75 cts. per doz., \$5.50 per 100.

Single Frilled Begonias

These are of the finest types of the single Begonia, the petals being heavily frilled on the edges. To color, 10 cts. each, 65 cts. per doz., \$5.00 per 100; all colors mixed, 60 cts. per doz., \$4.50 per 100, \$42.50 per 1,000.

Single Begonia Bertini

A beautiful bedding Begonia, brilliant vermilion flowers of rare beauty. As a bedder it stands unrivaled. 80 cts. per doz., \$6.00 per 100.

Double Begonias

	Doz.	100
Duke Zeppelin. Intense pure vermilion-scarlet	\$1.00	\$ 7.50
Lafayette. Rich, brilliant crimson scarlet	1.25	10.00

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JOSEPH HEACOCK COMPANY'S PALMS & FERNS

Home-Grown, Well Established, Strong and Healthy.

Kentia Belmoreana.					
Pot	Leaves	In. high.	Each	Doz.	
2½ in.	4	8 to 10.....		\$ 1 50	
5 in.	6 to 7	18.....	50	6 00	
6 in.	6 to 7	24.....	1 00	12 00	
6 in.	6 to 7	26 in. high.	1 25	15 00	
6 in.	6 to 7	28 to 30....	1 50	18 00	
Cedar tub					
Leaves	In. high.	Each	Doz.		
7 in.	6 to 7	34 to 36....	2 50	30 00	
9 in.	6 to 7	40 to 45....	4 00	48 00	

Cedar tub	Leaves	In. high	Each	Pot
9 in.	6 to 7	42 to 48....	5 00	
9 in.	6 to 7	48 to 54....	6 00	
9 in.	6 to 7	5 ft.....	8 00	
9 in.	6 to 7	6 to 7 ft....	10 00	

Kentia Forsteriana—Made up.				
Cedar tub	Plants	In. high	Each	Doz.
7 in.	4	36.....	2 50	30 00
9 in.	4	40 to 42....	4 00	48 00
12 in.	4	60 to 66....	12 50	
12 in.	4	66 to 72....	15 00	

Pot	Phoenix Roebeleni.		Each
5-in., nicely characterized			\$1 00
6-in., 18 to 20-in. spread.....			1 50
Cedar tub	High	Spread	Each
7-in	18-in.	24-in.....	\$2 00

Cibotium Schiedel.		
Spread	Each	
7 in. pot, 2 to 2½ feet.....		\$2 00
9 in. tub, 4 feet.....		4 00
12 in. tub, 6 to 8 feet.....		8 00

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia be sure to look us up.

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO.,

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Send for 1912 Catalog, and get your Bulbs direct from grower (not merchant.)

Sole organizer of the magnificent Exhibition of Flowering Bulbs at the Dutch Village, Ideal Home Exhibition, Olympia, London 1912.

Grower of the Begonias, Hyacinths, Tulips, Narcissus etc., for the Gardens of the International Peace Palace at the Hague.

M. J. GULDEMOND,

Wholesale Bulb Grower and Exporter **Lisse, Holland.**
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GLADIOLUS

75,000 Second Size

Fine quality stock of our best fancy mixture, \$6.50 per 1000; \$6.00 per 1000 in 5 or 10 thousand lots. This is our best mixture.

The flowers of these have always taken 1st prize at every place shown.

No. 451. **Fair Maid.** This is one of the finest varieties ever offered, light lavender, broad open flower, fine straight spike, at \$10.00 per 100.

Gladioli Specialty Ass'n.,
HAMPTON, VA.

Tuberose

DWARF DOUBLE PEARL
\$12.00 per 1000

Excellent Quality.

Lily of the Valley Pips

Cold Storage Berlin and Hamburg.

Per case of 1,000.....\$12.00

Per case of 3,000.....\$32.00

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33 Barclay St. (T12) New York, N. Y.

SPRING-FLOWERING BULBS

BEGONIAS

	Doz.	100
Single, Separate colors.....	\$0.40	\$2.50
Double, separate colors.....	.60	4.00

CALADIUMS

With live center shoot

	Doz.	100
5- 7 inch	\$0.30	\$1.80
7- 9 inch	.50	3.50
9-11 inch	.85	6.00

GLADIOLI

First size bulbs

	100	1000
America, pink	\$3.00	\$25.00
Augusta, white.....	2.00	18.00
Francis King, scarlet.....	2.00	18.00
Light and White florists' mixture	1.75	15.00

CANNAS

Two to three-eye roots

	100	1000
Austria	\$2.00	\$18.00
Buttercup	3.00	
Chas. Henderson.....	2.00	18.00
David Harum.....	2.50	20.00
Florence Vaughan.....	2.00	18.00
King Humbert.....	6.00	50.00
Milwaukee	2.00	18.00
Mme. Crozy.....	2.50	20.00
Queen Charlotte.....	2.50	20.00
Richard Wallace	2.50	20.00

TUBEROSES

Dwarf Pearl

	100	1000
First Size	\$1.00	\$9.00
Second size	.60	5.00

A. HENDERSON & CO., 352 N. Michigan Avenue, CHICAGO

GLADIOLI

BULBS FOR GROWING ON. 1000

AMERICA , 4th size.....	\$10.00
5th size.....	7.50
6th size.....	5.00
Under 5th-inch.....	4.00
MRS. FRANCIS KING , 3rd size.....	10.00
4th size.....	8.00
5th size.....	6.00
6th size.....	4.00
COLUMBIA , 1st size.....	12.00
2nd size.....	10.00
3rd size.....	8.00
4th size.....	6.00
5th size.....	4.00

Prices net cash with order.

RALSTON S. JONES,

Glenwood Nurseries, Holland, Mich.

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H. WREDE
LUNEBURG, GERMANY
PANSY SEED

180 First Prizes, the highest awards Chicago, Paris, London, Bruxelles.

1000 seeds, finest mixed...25c
1 oz.\$2.25

Price list on application. Cash with order

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5,000

Echeveria

Secunda Glauca

25c. and 35c. per 1,000.

CASH PLEASE

The Carl Hagenburger Co.

W. MENTOR, OHIO.

IN BLOOM FOR EASTER

Hyacinths	Per 100
4 inch.....	\$10.00 to \$15.00
5 inch.....	20.00

Tulips	Per 100
5 inch.....	\$15.00
6 inch.....	20.00
7 inch.....	25.00

All first class Bulbs. Cash with order.

Parkside Greenhouses

LUKE COLLINS, Prop.

1457 East 70th St. CHICAGO

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IT IS VERY IMPORTANT TO ORDER CRAIG QUALITY STOCK AT ONCE! CRAIG SPECIALTIES

Are known all over the country and are in greater demand each year. Having increased our glass area over 100,000 square feet, we are in a position to meet our fast-increasing business. The fact that Easter falls this year on March 23 will make absolutely no difference to us as to finishing our stock. Our entirely new plant at Norwood, Pa., has been of great assistance to us.

Our stock for the Easter season is superior in quality to any we have ever grown, notwithstanding the high standard we have maintained for years. We are now the largest growers of Easter stock in America, and any buyer seeking quality will be repaid by inspecting our immense stock at our Philadelphia and Norwood plants.

To give our customers an idea of just what we intend offering, we enumerate the following: 25,000 Lilies,

LILIES.

Our stock of this grand Easter plant is exceptionally fine this year, and having 25,000 plants we can positively please the most critical buyers.

Plants with from 4 to 10 flowers 12c per bloom
Made up pans from 15 to 25 flowers 12c per bloom
Plants with less than 4 flowers 15c per bloom
Cut Lilies, medium \$12 per 100 blooms
Cut Lilies, long \$15 per 100 blooms
All plants have been grown moderately cool.

RHODODENDRONS.

Our stock is large, the plants being exceptionally well budded and shapely, including all the best varieties in all colors.

Prices: \$1.50, \$2, \$2.50, \$3, \$3.50 and \$4 each

Very large plants \$5 and \$6 each

RHODODENDRON PINK PEARL.

Prices: \$2, \$2.50, \$3 and \$4 each

HYDRANGEAS.

We have the largest and finest stock of Hydrangeas ever offered to the trade at Easter, having 7,500 perfect plants. Our stock includes over 6,000 of the new French varieties, all of which have proven so valuable to the retailer. The plants have all been grown cool and are well hardened off, insuring satisfaction to the buyer.

Hydrangea Otaksa, 6-inch \$9, \$12, \$15 and \$18 per doz.

Hydrangea Otaksa, 7-in., and 8-inch \$2, \$2.50, \$3, \$3.50 and \$4 each

THE NEW FRENCH HYDRANGEAS.

All of the varieties here offered have been tested by us under ordinary conditions as to their adaptability to forcing for Easter. All have proven themselves to be valuable additions.

Bouquet Rose, bright pink.
Gene de Vibraye, bright rose.
La Lorraine, bright pink.
Mme. a Riveram, bright rose.
Mme. E. Mouillere, best white.
Mme. Maurice Hamar, bright pink.
Mme. Renee Gaillard, large white.
Souv. de Mme. E. Chantard, bright rose.
6-inch and 7-inch pots, from 3 to 15 flowers \$9, \$12, \$15, \$18, \$24, \$30 and \$36 per doz.
April delivery, strong stock of the above varieties, 2½-inch pots \$10 per 100, \$90 per 1,000
April delivery, Otaksa, 2½-inch pots, strong plants \$8 per 100, \$75 per 1,000

ROSES.

We desire to make special mention of our large stock of Roses, growing upwards of 10,000 plants in the following varieties. We have no hesitation in saying we are the largest growers of forcing roses for Easter in America. We are positive our stock will please the most critical buyers, as the quality was never better. It has all been grown cool and will prove very satisfactory.

BABY RAMBLERS.

Good, strong stock, well flowered; \$4, \$6 and \$9 per doz.

HALF STANDARD BABY RAMBLERS.

Orleans, President Taft, Phyllis, etc.; exceptionally fine plants, 3-foot stems; \$1.25, \$1.50 and \$2 each.

MRS. CUTBUSH, PINK BABY RAMBLER.

This variety is one of the popular ones. 5-inch and 6-inch pots \$6 and \$9 per doz.

ORLEANS (NEW).

The best of the Baby Ramlers. Colors, bright red and pink, center slightly shaded white, very free flowering.

5-inch and 6-inch pots \$6 and \$9 per doz.

7-inch pots, very heavy, made up \$12 and \$15 per doz.

PHYLLIS BABY RAMBLER.

This variety we consider the most beautiful of its class.

5-inch and 6-inch pots \$5, \$6 and \$9 per doz.

JUNIATA—NEW CLIMBING ROSE.

One of the very best of the seedlings raised by Mr. M. H. Walsh, of Woodhole, Mass. We purchased the entire stock several years ago at a large figure and this is the first time disseminated. We are offering some very handsome specimen plants in bloom for Easter delivery and every one should have a few of this grand rose novelty. It is an unusually strong grower and the most prolific bloomer of any of the climbing roses. The color is a beautiful rose pink with tips of petals lightly tinged with white and a white disc in the center of the flower. It is the ideal variety for either forcing or for outside decoration.

Specimen plants, 5-inch, 6-inch and 7-inch pots \$6, \$9, \$12, \$15, \$18, \$24 and \$30 doz.

PINK RAMBLER ROSES.

In grand condition, trained into fan, globular and pyramidal shapes, \$1, \$1.25, \$1.50, \$2, \$2.50, \$3, \$3.50 and \$4 each.

Special Ball Shapes, wire frames, \$2.50, \$3, \$4 and \$5 each.

Standard Ball Shape, \$3 and \$3.50 each.

CRIMSON RAMBLER.

These plants are unusually fine.

7-inch pots \$1.50 each

8-inch and 9-inch pots \$2, \$2.50, \$3 and \$3.50 each

HIAWATHA.

The best variety of its color, brilliant red with yellow center.

6-inch, 7-inch and 8-inch pots, trained in globular and fan shapes \$1.25, \$1.50, \$2, \$2.50 and \$3 each

Special baskets \$7.50 each

TAUSENDSCHON—THOUSAND BEAUTIES.

This was our finest and most popular Climber last year, and this year our stock is large and the plants are much finer. We cannot recommend the Tausendschon too highly.

Strong plants, 6-inch and 7-inch pots \$1, \$1.25 and \$1.50 each

Trained plants, Fans, Globular and Pyramidal shapes \$2, \$2.50, \$3, \$3.50, \$4, \$5 and \$6 each

Baskets \$7.50 each

BABY TAUSENDSCHON.

This is a new introduction this year and will be one of the most popular roses ever sent out. It is exactly the same as the popular rose "Tausendschon" in coloring, but, belonging to the Baby Class, it is an ever bloomer. Every one should try this variety; its great value will be for baskets and for spring planting.

4-inch, 4½-inch, 5-inch and 6-inch pots \$6, \$9 and \$12 per doz.

Strong plants for growing on, May delivery, 2½-inch pots \$12 per 100, \$100 per 1,000

HYBRID ROSES.

We have an exceptionally large stock of Hybrids and Teas which will be just right for Easter.

Killarney, 6-inch and 7-inch pots \$6, \$9 and \$12 per doz.

Magna Charta, very fine, 6 to 18 flowers \$9, \$12, \$15 and \$18 per doz.

Frau Karl Druschki, very fine, 6 to 18 flowers \$9, \$12, \$15 and \$18 per doz.

Richmond \$6, \$9 and \$12 doz.

Kaiserin \$6, \$9 and \$12 doz.

SUNBURST—NEW YELLOW ROSE.

Strong plants, 6-in. pots \$12, \$15 and \$18 per doz.

2½-inch plants \$20 per 100; \$150 per 1,000

SPIRAEA GLADSTONE.

Our stock is in superb condition.

6-inch pots, very heavy \$6 per doz.

7-inch pots, very heavy \$9 per doz.

8-inch tubs, very heavy, made up \$12 per doz.

10-inch and 11-inch tubs, very heavy, made up \$18 and \$24 per doz.

GENISTAS.

Fine stock for basket work in the smaller sizes.

3-inch pots \$17 per 100

4-inch and 4½-inch pots \$3 and \$4 per doz.

5½-inch and 6-inch pots \$6 and \$9 per doz.

7-inch pots \$12 and \$15 per doz.

Large plants \$1.50, \$2, \$2.50, \$3, \$4 and \$5 each

DOUBLE DAISY—MRS. SANDER.

Well grown and well flowered.

4-inch pots \$3 per doz.

5-inch pots \$5 per doz.

6-inch pots \$6 per doz.

Large plants \$0.75, \$1, \$1.50 and \$2 each

MARGUERITES.

Well flowered plants.

4-inch pots \$2 per doz.

6-inch pots \$4 and \$5 per doz.

Large plants \$0.75, \$1, \$1.50, \$2 and \$2.50 each

LILY OF THE VALLEY.

5-inch pots \$7.50 per doz.

6-inch pots \$9 per doz.

NEPHROLEPIS IN VARIETY.

We are now the largest growers of Nephrolepis Ferns in the country, in the following varieties; in fact, we are headquarters for them. The demand increases each year and it is our aim to have EVERY VARIETY OF NEPHROLEPIS IN EVERY SIZE EVERY DAY IN THE YEAR.

May we have your Easter order for Ferns? Excellent values in all sizes.

NEPHROLEPIS ELEGANTISSIMA IMPROVED.

This variety is a greatly improved Elegantissima, and shows no tendency to revert to the Boston. This is now one of the most popular of the crested varieties.

2½-inch pots \$6 per 100; \$50 per 1,000

4-inch pots \$20 per 100; \$180 per 1,000

6-inch pots, very heavy \$6 and \$9 per doz.

10-inch tubs, very heavy \$2 each

12-inch tubs, very heavy \$2.50 and \$3 each

NEPHROLEPIS TODEAIOIDES

—LONDON FERN.

This we consider one of the best.

2½-inch pots, growing on \$5 per 100; \$45 per 1,000

4-inch pots, very heavy \$20 per 100; \$180 per 1,000

11-inch tubs, very handsome \$2 and \$2.50 each

Also complete line of Ferns, Arecas, Pandanus, Ficus, Dracaenas, Crotons, Pheonix Roebelenii, and other Decorative Plants.

Robert Craig Company, Philadelphia, Pa.
4900 MARKET STREET,
BRANCH NORWOOD, PA.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

TOMATOES were shipped to the United States from Los Mochis, in the state of Sinaloa, Mexico, by the American colony there, in November, or several weeks earlier than hitherto. This industry is rapidly growing and becoming of importance. Expectations for this season call for exportation of some 400 carloads of tomatoes and at least 20 carloads of cantaloupes.

Prices of Indoor Fruits and and Vegetables.

Chicago, March 10.—Mushrooms, 20 cents to 60 cents per pound; lettuce, 10 cents to 15 cents, small cases; radishes, 10 cents to 35 cents per dozen bunches; pieplant, 35 cents to 45 cents per bunch; cucumbers, \$1.50 to \$2.25 per box of two dozen; asparagus, \$2 to \$2.75 for 24 bunches.

New York, March 8.—Cucumbers, \$1.25 to \$1.75 per dozen, and \$4 to \$6 per box; mushrooms, 80 cents to \$2.25 per 4-pound basket; tomatoes, 10 cents to 15 cents per pound; radishes, \$1.50 to \$2 per 100 bunches; mint, 25 to 50 cents per dozen bunches; rhubarb, 20 cents to 50 cents per dozen bunches; lettuce, 10 cents to 30 cents per dozen; beet tops, 75 cents to \$1.25 per box.

Cheese Cloth Gardening.

Each year we find an increasing use for the common cheese cloth. It fits admirably between the glass and the outdoor operations and in many cases is a protection against frost and insect enemies. We have used it in the spring and in the fall with good success. Growers of head lettuce in the fall will realize the detriment of brown edges to Big Boston. We find that in cool weather such a covering will be a prompt remedy. However, our main operations are in the spring. We use it on cold frames and cover manure heated frames, both for plants and market crops. We find it excludes the maggot fly from radishes, also cabbage and cauliflower plants; it will gain a few days in coolness on radishes and lettuce, it will retain moisture on celery beds and its shade is sufficient to start off transplanted seedlings. If fairly well above crops it acts as a frost protection on such subjects as tomato plants. We generally drive small finishing nails or brads, into the frame boards, sew two strips of cloth together in any lengths and thus push the cloth right on the nails so it can be easily removed any time without damage. If cared for it will last several years. All our frames are six feet wide to take either sash or cloth.

MARKETMAN.

Seasonable Greenhouse Notes.

At this time of the year fertility is often exhausted in greenhouse soils and the grower is likely to blame bad weather or bad luck for poor results. The fact is there is generally enough light from now on provided other con-

ditions are right. When cutting heavy crops of lettuce it is a good practice to spade under a coat of manure, old preferable. Some of the best crops we ever produced received a coat of freshly heated horse manure such as we prepare for mushroom beds.

In the absence of this, a dressing of complete fertilizer should be used. An experienced man should be able to tell what is needed by closely watching the growth made. If lettuce comes papery and tough it is surely a sign of lack of food. No amount of cultural attention will correct this trouble if food is withheld.

Where cucumbers follow lettuce and lettuce is the only winter crop, it often is a difficult matter to start cucumber plants on account of lack of heat. In such a case there is nothing better than a hotbed with sash inside the greenhouse. The glass can be off the bed in warm days and replaced at night. In such a hotbed with brisk heat fine cucumber plants can be produced in 30 days. It is generally best to wait with cucumbers until the lettuce is all cut and then raise the temperature as lettuce and cucumbers do not thrive together.

MARKETMAN.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

Lady Hillingdon Roses

Fine 2 1/4-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

Flower Colors

Use our Color Chart in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn Street

CHICAGO

Announcement!

Owing to the numerous inquiries we wish to state that our new Crimson Carnation

PRINCESS DAGMAR

will be disseminated next season, 1913-1914.

We are booking orders now at \$12.00 per 100; \$100.00 per 1000.

Princess Dagmar will be exhibited at the National Show in New York.

PATTEN & CO., Tewksbury, Mass.

We have for immediate delivery the following in good healthy plants:

GERANIUM SCARLET BEDDER

It is recognized by all who have grown it as the best double red, not excepting S. A. Nutt.

Price: \$1.50 per 10; \$12.50 per 100; \$100.00 per 1000.

Ask for our 1913 catalogue and read some of the testimonials.

ELMER D. SMITH & CO., Adrian, Mich.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$8.00 per oz., or \$1.75 per 1/4 oz., \$1 per 1/8 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.



Vaughan's Seed Store, CHICAGO
NEW YORK

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

THE sixteenth annual convention of the Canadian Horticultural Association will be held at Peterboro, Ont., in August, 1913.

WE are in receipt of the transactions and proceedings of the second annual meeting of the California Association of Nurserymen held at Oakland, November 7-9, 1912, a carefully prepared and well printed report.

THE buchu is a South African shrub whose leaves are dotted with oil glands. It is used largely for medicinal purposes. The United States imported 181,121 pounds of these leaves in the fiscal year 1912, valued at \$160,608, and 106,345 pounds in 1911, valued at \$81,658.

ACCORDING to lately published reports on the forest lands of Chiloe Island, situated off the coast of Chile, between 41° and 43° south latitude, many kinds of valuable trees and shrubs are found awaiting capital and labor to open up important industries in that part of the country. This island contains 2,450 square miles and is covered with dense forests, except for a narrow strip along the west coast.

World's Great Forests.

There is an immense and continuous tract of forest lying north of the St. Lawrence River, in the provinces of Quebec and Ontario, extending northward to Hudson Bay and Labrador, a region measuring about 1,700 miles in length from east to west and 1,000 miles in width north and south. By some it is held that a much larger continuous area of timber lands exists in the state of Washington and northward through British Columbia and Alaska. But this contention is limited to North America, for it has been pointed out, there lies a forest in the valley of the Amazon embracing much of northern Brazil, eastern Peru, Bolivia, Ecuador, Colombia and Guiana, a region at least 2,100 miles in length by 1,300 in breadth.

New England Nurserymen.

The annual convention of the New England Nurserymen's Association was held in Horticultural Hall, Worcester, Mass., Wednesday, February 26. The following officers were elected for the coming year: Harlan P. Kelsey, Salem, Mass., president; John R. Barnes, Yalesville, Conn., vice-president; Charles Adams, Springfield, Mass., secretary; V. A. Vanicek, Newport, R. I., secretary; W. W. Hunt, Hartford, Conn., C. H. Graton, Providence, R. I., A. P. Horne, Manchester, N. H., executive committee. Charles R. Fish, Worcester, was named chairman of the membership committee. A committee was appointed to give publicity to the fact that New England is

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Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Spring Bulbs and Roots, Conifers, Pines.

English Ivy

4 ft. bushy, 4 inch pots.....\$15.00 per 100

4 and 5 ft. bushy, 4½ inch pots..... 20.00 per 100

Good value for window effect.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad. :: ::

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

ENGLISH MANETTI STOCKS.

A bargain, to close out surplus quick. Well rooted, carefully regraded and everything under-sized or not up to strictly first quality discarded. It pays to buy regraded repacked stocks. We offer ¾ m-m grade at \$12.00 per single thousand; five thousand or more at \$10.00 per thousand. 3-5 m-m grade \$8.00 per thousand; \$65.00 per ten thousand, to clean them up quick. Orders can be filled the same day we get them. Wire and say whether to ship by freight or express.

JACKSON & PERKINS CO., Newark, New York

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin N. J. Williamstown Junc., N. J.

Mention the American Florist when writing

not the hotbed of insect pests as reported, but forms a most desirable section for the purchase of nursery stock. The next convention will be held during the last week of February, 1914, at Hartford, Conn.

R.

Forest Tree Insects.

In a bulletin issued recently by the Department of Agriculture, it is pointed out that many of the injurious forest beetles prefer to attack the matured and healthy trees. Among the insects mentioned in this particular, are the southern pine beetle, the eastern spruce beetle, the Englemann spruce beetle, the Black Hills beetle, the mountain pine and western pine beetle, the Douglas fir beetle, the hickory bark beetle and the larch worm.

The bark beetles attack the bark on the trunk and extend their mines throughout the living bark, resulting in the death of the tree. The government has undertaken to control these pests in forests under its control. Where the beetles already have been at work it is found best to cut the affected timber and bark it. In this way the material may be used for commercial purposes and the depredations of the insects are confined to the area already attacked.

Osmundine

(Osmunda Fibre or Orchid Peat.)

BROWNELL'S SUPERIOR QUALITY.

Used the World Over

Price List and Samples on Request

The C. W. Brownell Company
Walden, N. Y.

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LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.

Chestnut Hill,

PHILA., PA.

Catalpa Bungei

Specimen trees with wide spreading tops

2 to 4 years and straight 7 ft. stems, 2 to 3-inch caliper.

Get our prices on all kinds of shade trees.

W. B. COLE, Avenue Nurseries,
Painesville, - - - Ohio.

ROOTED CUTTINGS.

	Per 100.	Per 1000
Verbenas.....	\$0.70	\$ 6.00
Ageratums.....	.60	5.00
Heliotrope, Daisies, Salvias..	1.00	8.00
Feverfew, Petunias.....	1.25	10.00
Coleus.....	.70	6.00
Alyssum, Double.....	1.00	8.00
Cash with orders. Express Paid. Write		

S. D. Brant, Clay Center, Kans.

TAKE THE HINT.

The successful man in business keeps cool. Don't cry, don't worry about hard times, don't lose your head. Just keep calm and think of your old friend in Philadelphia. His name, Godfrey Aschmann, is not forgotten and is a name in the mind of every florist who dealt with him last Easter. He is more active than ever. He will take care of you this Easter, 1913. His big stock of fine plants and his low prices will pull you through at all times.

Therefore Prepare for Easter

Twenty-five years' experience in shipping Easter plants—well-known, popular from Atlantic to Pacific Oceans. Our shipments of Easter plants reach every city and state of the United States, Mexico, Canada, and as far as Cuba.



Specialist in the growing of Lilies. 35 years experience.

ONE OF GODFREY ASCHMANN'S LILIUM MULTIFLORIUM HOUSES.

No argument needed; speaks for itself. The real stuff; the cream of Japan's production. The True Variety of the Liliun Multiflorum, raised from 9 to 10 selected bulbs, at \$95 a 1000, direct from Japan. Look at the picture! Just right for Easter.

Azalea Indica.

Is another specialty of ours, inspected personally by myself on my yearly trip to Europe at our grower's establishment in Belgium, who is a specialist in cultivating Azaleas over there. Only the best American sorts are raised and imported for me.

What is the name of the Best Pink Azalea? Mme. Van der Cruyssen is the name.

Originated by the well-known Azalea specialist, Mr. Van der Cruyssen, of Ghent, Belgium. Millions are raised every year of this so world-wide known popular pink Azalea and are shipped out to every portion of the globe from Belgium. We are well provided and have a big stock of this so well favored variety in America, the Mme. Van der Cruyssen; covered with buds and flowers, ready for Easter trade; well shaped round as an apple; in all sizes, 6-7-8-in. pots, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50 to \$3.00. On account of scarcity in Belgium of this variety, we were only able to obtain a limited quantity of the smaller sizes; therefore bigger sizes must accompany the order for Van der Cruyssen. Have 3000 Van der Cruyssen, Simon Mardner, double pink, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50.

De Schryveriana, double variegated, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50.

Vervaniana, a well-known double variegated variety, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50.

Apollo, best red, \$1.00, \$1.25 to \$1.50; best double red, \$1.00, \$1.50 to \$2.00.

Niobe, double white, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50.

Deutsche Perle, double white, 75c.

John Seveling, double pink, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

Paul Weber, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

A few good mixed varieties, such as Empress of India, Helena Thielmann and others 75c, \$1.00 to \$1.50.

If we are out of the size and color ordered, we shall ship next color and next size, either above or below what is ordered. Where the selection is left to us we will give a good assortment. Just mention the price.

Azaleas will be scarce this Easter so secure your order early.

In connection with Lilies and Azaleas, kindly try to buy a few other plants.

Novelties in Made up Pans.

6-inch pans filled with Pteris Wilsoni Ferns. Albo-Lineata or Tsussimense, very attractive, only 25c per pan; with Dracaena Terminalis in center, 50c to 75c. 6-inch Azalea pots or pans filled with large size Wilsoni Ferns, 50c per pan.

The same with a center piece of a large size Dracaena Terminalis (red foliage), very attractive and showy, 75c to \$1.00. Same filled with table ferns of the best varieties such as Albo-Lineata, Tsussimense, Victoria, Mayl, etc., 35c, 40c to 50c.

And Come Direct to the Factory. A Great Factory of Live Stock That Never Ceases.

Same size 6-inch Azalea pot filled with Asparagus Plumosus, 10-12-15 inch high, also Sprengeri 35c, 40c, 50c. Regular 6-inch pans filled with Asparagus Plumosus Sprengeri or Dish Ferns and Wilsoni, 25c to 35c. The same with a Kentia Forsteriana in center 35c. All these pans were made up last fall and are well established; can be shipped in or out of the pans.

Chinese Primroses, 5 1/2-in. pots, \$2.50 per doz.

Our New Improved Begonia Erfordii has no equal as a constant bloomer, winter and summer, in bloom now, 5 1/2-in., 25c; 5 1/2-in., 30 to 35c; 4-in., 20c.

Asparagus Sprengeri, 2 1/2-in., 3c; 4-in., 10c.

Asparagus Plumosus, 10,000 on hand, April 1912

savings, big stock plants, 4-in., 10c; 3-in., 10 to 12-in., high, \$6.00 per 100; medium, 2 1/2-in., \$4.00 per 100; large, 2 1/2-in., suitable for edging bulb pans, \$5.00 per 100.

Hyacinths of our own importation, four best colors: Gertrude, best pink; King of the Blues, best blue; Grand Maitre, light blue; La Grandesse, best white; 4-in. pots, in bud or bloom, \$12.00 per 100.

Lilium Multiflorum.

We have Lilies this Easter, (1913) to burn, to burn; they are crackerjacks, to beat the band, the best in the land, the best in the land, the best in the land.

Three houses in Lilium Multiflorum, the genuine Japan Easter Lily, better than ever before. Our own importation from our general grower in Yokohama, Japan, raised from 9-10 in. bulbs started in 6-in. pots last October; have kept good. Good, perfect foliage from bottom up. Plants medium size and in all heights, with 6-7-8 buds, 10c per bud; with 3-4-5 buds 12c per bud. Just right for Easter. We have the finest lilies this year in Philadelphia and all over the country. Is the town talk from florists and agents daily visiting our place. "We have never seen anything like it" said two well known growers one day, when visiting our place together. We have three houses full in 6-in. pots nicely staked up, medium height, and can supply all applications.

Cineraria Hyb. Grandiflora.

Readers, please, just a minute. I wish to call your attention to one of our biggest houses filled with a big selection of that so much admired Easter novelty the Cineraria Hyb. Grandiflora, which will have no equal in the flower market for Easter, 1913. If you are not fortunate enough to see them growing at our establishment, then just imagine you were promoted to a paradise, to a garden in Eden, standing before a mass of flowers in various beautiful colors. This is the condition one of our Cineraria houses represents at Easter time. Our new improved strain, planted in 6-in. pots, of medium tall sizes, are unsurpassed in the size and color of the flowers. The flowers are about twice the size of the old ordinary varieties, has big heads of flowers and good foliage; some of the plants are as big as a small apple. Price: 6-in. pots, 25c, 35c, 50c, 75c to \$1.00 per plant, doz. or more, same price.

Araucarias Our Specialty.

Look! Bargains in Araucaria Excelsa raised from top cuttings. Such low prices as are quoted below were never known in the history of Araucaria Excelsa. Just think! 5 1/2-in. pots, 3-4 tiers, 16 to 18 in. high, 50c to 60c; in 5 1/2-in. pots 40c.

Plants, 5 1/2, 6, 7 in. pots, raised from top cuttings, no seedlings, 15, 18, 20, 25, 30 in. high, 4-5-6 tiers, 2-3-4-5 years old, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each. We give big value for your money. Just think! An elephant, 6-in. pot, 4 years old, 4-5-6 tiers, 20-25 in. high for only 75c; a jumbo, 6-in. pot, 5 year old, 25 in. and over, as wide as a bushel basket, 5-6 tiers, for only \$1.00; and what do you think! a holy terror, 30 to 40 in. and over, 5-6-7 tiers, worth \$2.00, for only \$1.25 to \$1.50. Specimens \$2.00.

Von Slon Daffodils, (double nosed) best double yellow Narcissus in cultivation, three bulbs planted in a 5 1/2 to 6-in. pot, \$3.00 per dozen pots.

Tulips, Tournesole, double red and yellow variegated; Imperator Rubrum, double red; Coronne d'Or, double yellow, and Murillo, beautifully shaded rose pink, three bulbs in one pot (4-in.) \$15.00 per 100 pots; \$1.80 per dozen.

Ipomea Noctiflorum, our so well known pure white, waxy Moonvine, bearing flowers very fragrant and as big as a saucer, 2 1/2-in. pots; will make good stock for you to propagate from, \$5.00 per 100.

1000 Ficus Elastica or Rubber Plants, in fine condition, perfect leaves, 7-in. pots, specimen plants, 28 to 30 in. high, \$1.00; 6 to 6 1/2-in. pots, 25 to 28 in. high, 50c to 75c; 5 1/2 to 5 1/2-in. pots, 30c to 35c.

Our Hydrangea Otaksa is just right for Easter trade; every branch nicely staked up, 2, 3, 4, 5, 6, 7 heads to the plant, 6-in. pots, 35c to 50c; 5 to 7 in. pots, 75c, \$1.00, \$1.25 to \$1.50.

Cyclamen, 5 1/2-in., in bloom and bud, 35c, 40c, 50c; 4-in., 25c.

We are well provided with a big stock of Primula Obconica for Easter. Have 3000—all sizes, of this hardy Easter plant. We always were short every Easter, therefore we raised a big stock for this Easter. 4, 4 1/2, 5, 5 1/2 and 6-in. pots, 10c, 15c, 20c, 25c, 35c and 50c.

Obconica, 4-in., 10c; in bloom, 15c.

Dracaena terminalis, red colored, 5 1/2-in., 40c.

Belmoreana, 4-in., 25c to 30c.

Aspidistra, 6-in., 75c, \$1.00, \$1.25; green foliage.

Our Ferns this year are exceptionally fine.

Boston, Scotti, Whitmani and Scholzell 5 1/2 and 6-in., 35c, 40c and 40c. 7-in., large, bushy plants, 75c to \$1.00. As big as a bushel basket, \$1.00 to \$1.25. Remember, all our Ferns are pot grown, not lifted from benches.

Neph. Glatrasii, a new beautiful fern, an improvement on Scotti, much shorter and bushier than Scotti, 5 1/2-in. pots, 50c; 3-in. pots, 20c; 4-in. 25c; 6-in., 75c. Pans 35c to 40c.

Ferns for Dishes. Big assortment, 2 1/2 in. pots, at \$4.00 per 100; 3-in. pots, \$7.00 per 100.

Cocos Weddelliana Palms, big 4-in. pots, 18-20 inches high, 35c, 40c, 50c.

Begonia Argenti Gutato, (variegated) 4-in., 25c; 2 1/2-in., 15c.

Kentia.

We are well provided this Easter with a big stock of Kentia Fosteriana Palms, and to make room for our new importation arriving from Belgium in April, we will be able to give you an excellent low value on them. Just look what Special Bargains we offer you for your Easter trade: 6-in. pots, 30, 35, 40, 50 in. high, \$1, \$1.25, \$1.50, \$1.75, \$2.00, \$2.50 to \$3.00. 7-in. pots, made up, one large size, about 40, 45 to 50 in. high in centre 3 of smaller size around, \$3.00, \$3.50 to \$4.00. Single plants, 5 1/2-in. pots, 25 to 30 in. high, 50c, 60c to 75c; 4-in. 25c.

Kentia Belmoreana Combination Plants, made up of 3 plants, 20 to 25 in. high, 6-in. pots, 75c to \$1.00. Single plants, bushy 5 1/2-in. pots, 50c, 60c, to 75c. 4 1/2-5 in. pots, 25c, 30c to 40c.

Spirea Gladstone.

What is a home, what is a store, what is a church, what is an Easter present, without having a few of the so much admired and so greatly in demand Spirea Gladstone (the pride of Holland). O, those charming sprays of beautiful pure white flowers! And the foliage, of such a beautiful wax deep green is a jewel in itself! Mixed with beautiful lilies and other blooming plants they will complete the flower decoration for your happy joyful Easter home of 1913. Knowing the great demand for these plants during past Easters when not half the customers could be supplied, we are well prepared this year for the rush, and were fortunate in spite of the scarcity last fall in Holland. When other florists' supplies were cut short by Holland growers we obtained enough of the bulbs to fill two houses with the choicest, and we are able to supply all incoming orders promptly. Prices: 5 1/2, 6 and 7-in. pots, full of buds and flowers, 35c, 50c, 75c to \$1.00 each; dozen or more, the same price. Some are as big as a small washtub.

Cash with order please. Please state if shipped with or without pots. All goods shipped at purchaser's risk only.

GODFREY ASCHMANN, Importer, Wholesale Grower and Shipper of Potted Plants, 1012 West Ontario St., PHILADELPHIA, PA.

"Get them at Dreer's"

THE NEW FRENCH HYDRANGEAS

Dormant stock stored in cold frames and which can readily be brought into flower for Decoration Day and later.

	3-inch Per doz.	Pots Per 100	5-inch Per doz.	Pots Per 100		3-inch Per doz.	Pots Per 100	5-inch Per doz.	Pots Per 100
Avalanche. Splendid large white.....	\$1.00	\$7.00	\$2.50	\$20.00	Mme. Agnes Bariller. Personally we consider this the best white.....	1.50	10.00	2.50	20.00
Botaniste Peltreau. Enormous pretty mauve-rose	1.00	7.00	2.50	20.00	Mlle. Renee Gaillard. Very large, milky-white, irregularly dentated showy flowers	1.50	10.00	2.50	20.00
Bouquet Rose. Rosy ambler turning to bright pink	1.75	12.00	—	—	Mlle. de Tremault. White, producing flower heads as large as the popular Otaksa	1.50	10.00	2.50	20.00
Dentelle. Deeply fringed creamy-white	1.25	8.00	2.50	20.00	Mousseline. Beautiful mauve-rose with cream colored centre	1.50	10.00	—	—
Fraicheur. White, delicately suffused with rose	1.25	8.00	2.50	20.00	Mont Rose. Very early, clear flesh-rose in immense panicles	1.75	12.00	3.00	—
General de Vibraye. Favorite bright rose color	1.75	12.00	—	—	Mons. G. Renault. Bright rose with carmine reflex	1.25	8.00	—	—
La Lorraine. Pale rose changing to bright pink	1.75	12.00	—	—	Ornament. Large mauve-pink	1.25	8.00	2.50	20.00
Mme. A. Riverain. Superb bright rose color	1.50	10.00	2.50	20.00	Ronsard. Very large rose-pink	1.25	8.00	2.50	20.00
Mme. E. Mouliere. The favorite white	1.75	12.00	—	—	Radiant. Distinct rose-carmine	1.50	10.00	—	—
Mme. Maurice Hamar. Delicate flesh rose color, but in our soil coming a beautiful deep blue	1.50	10.00	2.50	20.00	Souvenir de Mme. E. Chautard. One of the best, a bright rose color	1.50	10.00	2.50	20.00
Mme. Raymond. Transparent white, passing to a tender rose	1.50	10.00	2.50	20.00	Senateur Henri David. On the style of La Lorraine, but flowers earlier.....	1.75	12.00	—	—

We will furnish one three-inch pot plant of each of the 22 varieties for \$2.50

HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

The above prices are intended for the trade only

LAST CALL 10,000

Light Pink and Rose Pink
ENCHANTRESS

Carnation Cuttings

Must Be Sold at Once

\$12.50 per 1000

While they last. Order now.

These cuttings are taken from stock grown by the best growers of the Enchantress variety of carnations in this vicinity and are big value at the price quoted. Send in your order now.

PERCY JONES

56 E. Randolph St., Chicago

Geraniums AND Coleus

Ricard and Poitevine, \$15.00 per 1000. S. A. Nutt, \$12.50 per 1000; next delivery about March 24. G. Bedder, Vers., and general assortment \$6.00 per 1000; ready almost any time. Plumosus, just right for Easter pans, sample, 10 cents; 100, \$2.50.

Safe Delivery Guaranteed.

Albert M. Herr, Lancaster, Pa.

VAUGHAN'S CANNAS

Strong 2-Eyed Bulbs.

	Per 100	Per 1000		Per 100	Per 1000
Beaute Poitevine...	\$ 4.00	\$ 30.00	Long Branch	\$ 6.00	\$55.00
Chas. Henderson...	4.00	30.00	Mad. Crozy	4.00	35.00
Comte de Sach	6.00	50.00	Milwaukee	4.00	35.00
David Harum	4.00	35.00	New Chicago	10.00	90.00
Dwarf Fl. Vaughan	4.00	35.00	New York	5.00	40.00
Egandale	4.00	35.00	Prince Wied	10.00	90.00
Julius Koch	15.00	125.00	The Express	6.00	50.00

250 at the 1000 rate.

Chicago **Vaughan's Seed Store** New York

ROSES!! ROSES!! ROSES!! ROSES!!

Grafted Stock: Richmond, White Killarney, Brides, Kaiserin, Pink Killarney, Bridesmaids. 2 1/4-in. pots. Price, \$10.00 per 100; \$100 per 1000. Ready first of March.

Own-Root Stock: My Maryland, Pink Killarney, Richmond, Perles, White Killarney, Kaiserin. 2 1/4-in. pots. \$5.00 per 100; \$47.50 per 1000. Ready middle of March.

CARNATION CUTTINGS: Enchantress, Rose Pink Enchantress, May Day, White Enchantress, Lady Bountiful, Queen Louise, White Perfection, O. P. Bassett. Price, \$3.00 per 100; \$25.00 per 1000. Ready now.

VERBENA PLANTS AND CUTTINGS

J. L. DILLON, - Bloomsburg, Pa.

The Early Advertisement Gets There

THE E. G. HILL CO.

Richmond, Ind.

READY NOW

Strong well-rooted cuttings of the best red carnation of the year, grand when Beacon has gone off color and is bursting—

Our Commodore \$12.00 per 100;
\$100.00 per 1000.

Rosette Dorner's novelty of 1912, lovely cerise pink.
\$5.00 per 100 \$50.00 per 1000.

Grafted Roses for March Deliveries:

Grand stock on the best Irish Manetti, thoroughly established.

Mrs. George Shawyer, \$30 per 100.

Milady, \$35 per 100.

St. Nicholas Baur's scarlet, \$6.00 per 100; \$50.00 per 1000.

White Perfection from the finest stock in the country.
\$3.00 per 100; \$25.00 per 1000.

Order Now.

Pink and White Killarney, Richmond,
Radiance, Mrs. Aaron Ward, Lady Hillingdon,
Antoine Rivoire (Mrs. Taft).

\$12 per 100; \$100 per 1000.

Chrysanthemums

All our standard varieties in large quantities ready now; clean, healthy and in full growth.

Chrysolara and **Roman Gold** in large quantity, \$4 per 100.

If our list is not at hand, send for it.

ROSES

Wintered cool; x-strong roots; prime condition. Best sorts, old and new, including:

2½-inch. 4-in.

	Doz.	100	1000	100
Duchesse de Brabant.....	\$0.50	\$3.00	\$25.00	\$10.00
Etoile de Lyon.....	0.50	3.00	27.50	10.00
Maman Cochet, Pink.....	0.50	3.00	27.50	10.00
White Maman Cochet.....	0.50	3.00	27.50	10.00
Mlle. Franzisca Kruger.....	0.50	3.00	25.00	10.00
Safrano.....	0.50	3.00	25.00	10.00
William R. Smith.....	0.50	3.50	30.00	10.00
Kaiserin Aug. Vic.....	0.50	3.50	30.00	10.00
Mme. Jenny Guillemot.....	0.50	3.50	30.00	12.00
Meteor.....	0.50	3.00	27.50	12.00
Rhea Reid.....	0.60	4.00	35.00	12.00
Jeanne d'Arc.....	0.50	3.50	30.00	12.00
Mrs. Taft.....	0.60	4.00	35.00	12.00
Dorothy Perkins.....	0.50	3.00	25.00	10.00
Phil'a Crimson Rambler.....	0.50	3.00	25.00	10.00
Tausendschoen.....	0.50	3.00	25.00	10.00
Mary Washington.....	0.50	3.00	25.00	10.00
Marechal Niel.....	0.60	3.50	30.00	15.00

THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO.

Mention the American Florist when writing

F. F. SCHEEL

SHERMERVILLE, ILL.

Wholesale Growers of Cut Flowers, Pot
Plants and Nursery Stock

THE EARLY ADVERTISE-
MENT GETS THERE.

ROSES IN BLOOM FOR EASTER.

We expect to have the following varieties in bloom:

Lady Gay **Tausendschon** **Hiawatha**
Excelsa **Flower of Fairfield** **White and Pink Dorothy Perkins**
Delight **American Pillar**

7 to 8 inch pots from \$1.00 to \$6.00 each.

Crimson Baby Rambler **Phyllis** **Orleans** **Jessie**
5 inch pots from 50c to 75c each.

Erna Teschendorff—5 inch pots at 75c each.

HYDRANGEA OTAKSA 7 to 8 inch pots from \$1.00 to \$2.50 each.
“ “ New French Varieties—4 to 6 inch pots from
75c to \$1.50 each.

RHODODENRONS—from \$1.00 to \$2.00 each.

CHICAGO
31-33 W. Randolph St. **Vaughan's Seed Store,**

NEW YORK
25 Barclay St.

Greenhouses and Nurseries, Western Springs, Ill.

Enchantress Supreme

THE Best Sport from Enchantress up-to-date, possessing all the vigor and freedom that distinguishes its parent.

Color a light salmon pink—a color that is not only very attractive, but also one that endures full exposure to the sun without bleaching.

A good all around Carnation that retains its color at all seasons.

Calyx is longer and narrower than that of the parent variety, and distinct from the latter. Has shown no inclination to be a burster.

The weak points of Enchantress seem to have been lost in this Sport, and a trial of four years duration convinces us of its great value.

PRICES: Twelve Rooted Cuttings... \$3.00 One Hundred rooted cuttings... \$ 12.00
Twenty-five rooted cuttings... \$5.00 One Thousand rooted cuttings... 100.00
Fifty rooted cuttings... 7.00 Order quick for February deliveries.

DAILLEDOUZE BROS.,

Lenox Road and Troy Ave.,
BROOKLYN, N. Y.

Palms for Easter Sales.



Kentia Belmoreana.

KENTIA BELMOREANA.

Leaves	Height	Each	Doz.
4-inch	5-6	12-15 inches.....Per 100	\$40.00
5-inch	5-6	18 inches.....	\$.75
6-inch	6	22-24 inches.....	1.50
6-inch	6-7	26-28 inches.....	2.00
7-inch	6-7	28-30 inches.....	2.50
7-inch	6-7	30-32 inches.....	3.00
9-inch	6-7	42-46 inches.....	5.00
10-inch	6-7	48-50 inches.....	8.00

KENTIA FORSTERIANA.

Leaves	Height	Each	Doz.
4-inch	5	15 inches.....Per 100	\$40.00
5-inch	5-6	20-24 inches.....	.75
6-inch	5-6	30-32 inches.....	1.50
7-inch	6-7	36-40 inches.....	3.50
8-inch	6-7	40-44 inches.....	4.00
8-inch	6-7	44-48 inches.....	5.00
8-inch	6-7	52-55 inches.....	6.00

PHOENIX CANARIENSIS.

8-inch, 30-35 inches high.....Each, \$3.00

PHOENIX ROEBELINII.

6-in., 16-18 inches high...Each, \$1.75 7-in., 20-22 inches high...Each, \$2.50 11-in. tub, 28-30 inches high...Each, \$8.00

31-33 W. Randolph St., CHICAGO **Vaughan's Seed Store** 25 Barclay St., NEW YORK

GREENHOUSES AND NURSERIES, WESTERN SPRING, ILL.

Best Grafted Rose Stock

Pink Killarney, White Killarney, Double White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000, \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill. Killarney Queen, \$15.00 per 100; \$120.00 per 1,000.

OWN ROOT STOCK

Killarney, White Killarney, Prince de Bulgarie, Mrs. Aaron Ward, Melody, Lady Hillingdon and My Maryland, \$6.00 per 100; \$55.00 per 1,000. Richmond, 2½-inch, \$5.00 per 100; \$45.00 per 1,000.

The Above is All Select Stock and a Big Bargain at the Prices Quoted.

 **NOTE:** The next lot of Carnations will be ready March 30, 1913.

Poehlmann Bros. Co., Morton Grove, Ill.

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman Compacta (new), to take the place of Whitman. A better commercial fern; 2½-in., \$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

The New Double Marguerite MRS. F. SANDER

It's a good spring and summer proposition and will keep you supplied with plenty of cut flowers at a time when all other flowers are scarce.

2-in. pots \$2.50 per 100, \$18.00 per 1000.

ELMER RAWLINGS,

Wholesale Florist, OLEAN, N. Y.

PALMS, FERNS AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N. Y.

SPRING STOCK

BIG BARGAIN IN SMALL PLANTS

Geraniums, La Favorite and Madame Buchner from 2½-in. pots at \$20.00 per 1000.

Dracaena Indivisa, 4-in. at \$10.00 per hundred.

Dracaena Indivisa, 5-in. at 15.00 per hundred.

Dormant Cannas, Pillar of Fire, Jean Tissot, Express and Hofgartner Hoppe, 2 to 3 eye pieces at \$30.00 per 1000.

J. E. MATTHEWSON

Florist, Nurseryman and Seed Dealer

625 North Eighth Street,

SHEBOYGAN, WIS.

Mrs. "Geo. Shawyer"

"The Peerless Pink"

The coming leader in forcing roses. Our neighbors are best customers. They have watched its growth all winter and know its worth!

NEW CARNATIONS

Northport—The leader in the dark pink section.

Commodore—The freest blooming scarlet we have.

Enchantress Supreme and Salmon Beauty—Two fine sports from Enchantress.

CHRYSANTHEMUMS

Ramapo—Immediate delivery; splendid young stock, 2½ in. pots, \$15.00 per hundred.

Unaka, Gloria, Well's Late Pink and Smith's Advance.

We catalogue over 600 varieties and our catalogue is yours for the asking.

CHAS. H. TOTT

MADISON, N. J.

Landscape Gardening



A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Never Mind the Weather, Easter is Coming Right Along.

We have the Stock ready to ship to you. Write or wire us at once

Lillies 12½ cents per bud.

Spireas, extra fine plants, 35c, 50c and 75c each. 4 and more heads at 25 cents per head.

Hydrangeas, beautiful large heads at 25c per head. All imported stock plants ranging 50c, 75c, \$1.00 each and up.

Primroses, we have a large stock in 3 and 4-inch Obconica in full bloom, at the very low price, to close them out, of \$5.00 per hundred for 3-inch or 75 cents per dozen; 4-inch Obconica and Chinese \$12.50 per hundred.

Bulb Stock. 5 and 6-inch at 25 and 30 cents each, including Tulips, Hyacinths, Narcissus, Vion, etc., also Hyacinths in 4-inch pots, single

stems at \$10.00 and \$15.00 per hundred; 5-inch, \$15.00 to \$20.00 per hundred.

Begonias. All kinds in 2½-inch at \$5.00; 3-inch, \$8.00; 4-inch, \$12.50.

Azaleas at \$1.00, \$1.25 and \$1.50 each.

Baby Ramblers 35c, 50c and 75c each.

White Ramblers at 35c each.

Souperis and Hermosa at 35c and 50c each.

Cinerarias, 3-in., \$8.00; 4-in., \$15.00; 5-in., \$20.00.

We can give you any size of ferns you want in Whitman, Bostons, Roosevelt, small ferns, Plumosus and Sprengeri for ferneries in abundance.

Soft Wooded Stock, new list just out, send for one

GEO. A. KUHL,

Wholesale Grower

PEKIN, ILL.

ROSE PLANTS, 2½-in. pots

	Per 100	Per 1000
AMERICAN BEAUTIES	\$5.00	\$45.00
WHITE KILLARNEYS	4.00	35.00
PINK KILLARNEYS	4.00	35.00
MELODY	4.00	35.00
SUNRISE	4.00	35.00
RICHMONDS	3.00	25.00

PETER REINBERG,
30 E. Randolph St., CHICAGO.

The Early Advertisement Gets There

VERBENAS



Finest in the land, best mammoth varieties, true to name. Seedlings are disappointing, get the true stock, at 70c per 100, \$6.00 per 1000; Mrs. F. Sander, \$1.25 per 100, \$10.00 per 1000. **Coleus**, finest named varieties, a grand collection, at 70c per 100, \$6.00 per 1000. **Pansies**, Roemer's Prize Winners (Germany), large, fine plants, 50c per 100, \$4.00 per 1000. **Daisies**, California and Queen Alexandra, \$1.00 per 100, \$8.00 per 1000. **Ageratums**, 60c per 100, \$5.00 per 1000. **Alternantheras**, three varieties, very strong, 60c per 100, \$5.00 per 1000. **Feverfew**, "Little Gem" (True), \$1.25 per 100, \$10.00 per 1000. **Salvias**, Bonfire and St. Louis, \$1.00 per 100, \$8.00 per 1000. We prepay express.

C. HUMFELD,

The Rooted Cutting Specialist, Clay Center, Kan.

Mention the American Florist when writing

QUALITY IN YOUNG STOCK NEW ROSES.

MILADY

Grafted per 100, \$30.00 Per 1000, \$250.00
Own Root " " 30.00 " " 250.00

MRS. GEO. SHAWYER

Grafted..... per 100, \$30.00 Per 1000, \$250.00

KILLARNEY QUEEN and DOUBLE WHITE KILLARNEY

Two new Roses of last season.

Grafted..... per 100, \$20.00 Per 1000, \$150.00
Own Root..... " " 12.00 " " 100.00

MRS. CHAS. RUSSELL (March delivery)

Grafted..... per 100, \$35.00 Per 1000, \$300.00

KILLARNEY, WHITE KILLARNEY, MY MARYLAND,

DOUBLE PINK KILLARNEY, MRS. TAFT (Rivoire)

RADIANCE, MRS. AARON WARD, LADY

HILLINGDON, RICHMOND

Grafted per 100, \$15.00 Per 1000, \$120.00
Own Root " " 7.50 " " 60.0

For Immediate Delivery

ASPARAGUS PLUMOSUS, Seedlings \$1.00 per 100; \$10.00 per 100
ASPARAGUS PLUMOSUS, 2 1/4-inch \$3.50 per 100; \$30.00 per 100
ASPARAGUS SPRENGERI, Seedlings 75c per 100; 5.00 per 100
ASPARAGUS HATCHERI, Seedlings \$1.50 per 100; \$15.00 per 100
ASPARAGUS HATCHERI, 2 1/4-inch \$7.00 per 100; \$60.00 per 100
" " 3-inch \$12.00 per 100; \$100.00 per 100
" " 4 inch \$15.00 per 100; \$120.00 per 100

BEDDING STOCK—COLEUS in quantity, SALVIA, ALTERNANTHERA, HELIOTROPE, AGERATUM ACHYRANTHES.

No order too large for our wholesale department. Use printed stationery or enclose your card. Wholesale prices to the trade only.

A. N. PIERSON, Inc., Cromwell, Conn.

Primula Obconica, strong plants, in bud and bloom. 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2 1/2-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.
Malacoides, Giant Baby Primrose, strong, 2 1/2-inch, \$2.00 per 100, 300 for \$5.00.
Asparagus Plumosus and Sprengeri, strong, 2 1/2-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the American Florist when writing

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL

Mention the American Florist when writing

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my Specialty

Mention the American Florist when writing

SHAMROCK, TRUE IRISH.

Strong plants from 1 3/4-in. pots...100, \$3; 1000, \$25.
Strong plants in 1-in. pots with saucers, \$4 per 100; 35 per 1000.

FERNS FOR DISHES.

Best assorted varieties from 2 1/4-in. pots...100, \$3.50; 1000, \$30. 500 at 1000 rate. Cash with order.

FRANK OECHSLIN,

4911 West Quincy St. CHICAGO.

Mention the American Florist when writing

Select Stock for Spring

The best lot of stock in this line we have ever seen. Every live florist and landscape man can make good use of the following subjects, and we are sure there is no better quality in the country:

Azalea Mollis, 15 to 18-in., bushy and full of buds.....\$ 3.50 per 10, \$ 30.00 per 100
Ghent (Pontica). Named sorts, full of buds, 18 to 24-in. 4.50 per 10, 40.00 per 100
Rhododendrons, 18 to 24-in., 8 to 12 buds, very fine..... 7.50 per 10, 70.00 per 100
24 to 30-in., 12 to 14 buds, very fine..... 10.00 per 10, 90.00 per 100
30 to 36-in., 14 to 16 buds, very fine..... 15.00 per 10, 125.00 per 100
24-in., seedlings, bushy, well budded plants..... 6.50 per 10, 60.00 per 100
Tree Roses, all hardy varieties, budded on straight stout stems..... 3.50 per 10, 30.00 per 100
Boxwood, a magnificent spring importation on hand, clean bright stock and grand values for the money.
Pyramidal, 36-in. high, at \$1.75 each; 42-in. high, at \$2.25 each; 48-in. high, at \$3.00 each; 54-in. high, at \$4.00 each.
Globe Form, perfect globes, 18 by 18 inches, \$3.00 each.
Bush Form, very broad, heavy plants, 12-in. high, \$3.00 per 10, \$25.00 per 100; 18-in. high, 50c each, \$4.50 per 10; 24 in. high, \$1.25 each, \$10.00 per 10; 30 in. high, \$1.50 each, very broad, 36-in. high, \$2.00 each, very broad.
Aristolochia Siphon, Dutchman's Pipe, heavy vines, 4-ft. top, \$25.00 per 100.
Hybrid Tea Roses, strong 2-yr., field grown dormant plants—Betty, fine pink, \$17.50 per 100; Gen. McArthur, Grus An Teplitz, Hermosa, Kaiserin Augusta, Victoria, La France, Mad. Jules Grolez (deep pink) Mamam Cochet, Mad. Caroline Testout, White Maman Cochet, at \$15.00 per 100; Prince de Bulgarie, \$17.50 per 100.
NEW BABY RAMBLER ROSES, 2-yr., field grown—
Erna Teschendorf, the best red yet introduced, more petals than the original Baby Rambler, a deeper, brighter red and does not fade, \$4.00 per dozen, \$30.00 per 100.
Orleans, light Geranium red, opening to a bright rose color. Very free bloomer and compact shapely plant for pots, \$2.50 per dozen, \$18.00 per 100.
CLIMBING ROSES, 2-yr., field grown—
Dorothy Perkins.....\$12.00 per 100
Farquhar..... 25.00 per 100
Tausendschon..... 15.00 per 100
Violet Blue..... 10.00 per 100
Yellow Rambler..... 10.00 per 100
Flower of Fairfield.....\$20.00 per 100
Hiawatha..... 12.00 per 100
Trier..... 12.00 per 100
White Dorothy..... 12.00 per 100

The Storrs & Harrison Co., Painesville, Ohio

Spring Stock Ready for Shipment

Dracaenas—We are overstocked and can quote you very low prices.

Ferns—For varieties and prices in 4 in., 5 in., 6 in. and 7 in. pots write at once.

Geraniums—S. A. Nutt, extra strong 2½ in. at \$25.00 a 1000, \$2.75 a 100.

Asparagus Plumosus—at prevailing market prices.

Vincas—will be ready for shipment by April 1st at current prices.

If you don't see what you want in this advertisement, write and ask us, as we are general growers with a reputation for high grade goods.

Meredith Flower and Vegetable Co.

LIBERTYVILLE, ILL.

CARNATIONS

Rooted Cuttings, Season 1913.

Ready Now.

	Per 100	Per 1000
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Benora	6 00	50 00
Gloriosa	4 00	30 00
White Wonder.....	3 00	25 00
White Perfection.....	3 00	25 00
White Enchantress.....	3 00	25 00
Enchantress	3 00	25 00
Rose Pink Enchantress	3 00	25 00
Scarlet Glow.....	3 00	25 00
Mrs. C. W. Ward	3 00	25 00
Bonfire	3 00	25 00

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LA FAYETTE, IND.

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Boston and Whitman Ferns, 3-in., 10c; 4-in., 15c; 5 in., 25c.
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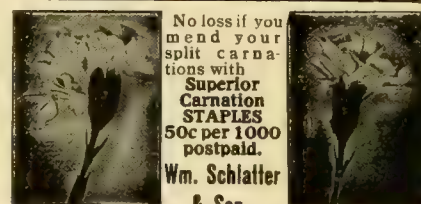
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Alternantheras. A. N. Pierson, Inc., Cromwell, Conn.

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Ampelopsis Veitchii, heavy, 1-year, 2 to 3 ft., strong, 50 for \$2; 100, \$3.25; Parcel Post, \$20 per doz.; 7-in., 4 to 5 trs., \$1.50 each; 100 for \$2; Parcel Post, \$15 per 1,000. Well rooted plants, tops cut to 6 inches for transplanting, \$12 per 1,000. Samples, 25c allowed on purchase. Chas. Black, Hightstown, N. J.

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Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

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Cannas. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

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We are booking orders for Cape Jasmine buds, 8 to 12 in. stems, \$1 per 100; \$8 per 1,000; 12 to 18 in. stems, \$1.50 per 100; \$13 per 1,000. Alvin Jasmine and Floral Co., Alvin, Texas.

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Vodenez,.....	6.00	50.00
Gloriosa, medium pink.....	4.00	35.00
Pink Delight, flesh pink.....	6.00	50.00
Conquest, overlaid pink.....	4.00	35.00
White Wonder, pure white.....	3.00	25.00
White Enchantress.....	2.00	20.00
White Perfection.....	3.00	25.00
Enchantress, flesh pink.....	3.00	25.00
Princess Charming, flesh pink.....	3.00	25.00
May day, deep flesh.....	3.00	25.00
Rose Pink Enchantress.....	3.00	25.00
Washington, dark pink.....	3.00	25.00
(Sport of Enchantress)		
Alvina, very free.....	3.00	25.00
Victory, scarlet.....	3.00	25.00
Scarlet Glow, scarlet.....	3.00	25.00
Bonfire, scarlet.....	3.00	25.00
Beacon, scarlet.....	3.00	25.00

CHICAGO CARNATION CO., 30 E. Randolph Street, Chicago, Ill.

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1,000
Enchantress.....	2.00	18.00
White Enchantress.....	2.00	20.00
Princess Charming.....	2.00	20.00
White Lawson.....	1.50	12.50
White Perfection.....	2.00	18.00
Winnet.....	1.50	12.50
Victory.....	1.50	12.50
Bonfire (finest red).....	3.00	25.00

WIETOR BROS., 162 N. Wabash Ave., Chicago, Ill.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Daifledouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Carnation cuttings for immediate delivery. Extra strong plants from soil. Enchantress and White Enchantress, \$3 per 100; \$25 per 1,000. Write for prices on the following varieties from sand: Wodenethe, White Wonder, White Enchantress, Enchantress, Beacon, and Rose Pink Enchantress. J. D. Thompson Carnation Co., Joliet, Ill.

Carnation R. C., good stock out of Sand or soil, Victory and Winsor \$13 per 1000. L. P. Enchantress, W. Perfection, \$15 per 1000. White Enchantress, \$17.50 per 1000. \$2.50 more for plants out of soil. 100 at 1000 rate. Write for prices on large lots. Cash or references. NORTHWESTERN FLORAL CO., Gross Point, Ill.

"Colorado Grown Plants Beat Them All." Carnation Rooted Cuttings; Satisfaction guaranteed. Pure White Enchantress, \$25 per 1000; Enchantress and Victory, \$20 per 1000; White Lawson and Winsor, \$15 per 1000; 2-inch stock extra strong and healthy: Pure White Enchantress, \$30 per 1000; Enchantress and Victory, \$25 per 1000. ELITCH-LONG GREEN-HOUSES, Denver, Colo.

For immediate shipment, strong guaranteed cuttings that will produce fancy stock. Beacon, White Perfection, Enchantress, \$20 per 1,000. White Enchantress, \$25 per 1,000. C. C. Pollworth Co., Milwaukee Wis.

FOR SALE—Chrysanthemums, Smith's Advance, Pacific Supreme, \$1.50 per 100; \$12 per 1,000. Rooted cuttings: Vinca variegata, 500, 2-in., \$8. Mme. Salleri geraniums, 500, 2-in., \$8. D. W. Leatherman, Anderson, Ind.

Carnation cuttings, Enchantress, R. P. Enchantress, May Day, White Enchantress, Lady Bountiful, Queen Louise, White Perfection, O. P. Bassett, \$3 per 100; \$25 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, Champion, \$12 per 100; \$100 per 1,000; 2,500 for \$237.50; 5,000 for \$450. Yellowstone and Yellow Prince, \$6 per 50; \$10 per 100; \$80 per 1,000; \$178.50 per 2,500; \$350 per 5,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, R. C., out of sand or soil; good stock, Winsor, Victory, \$13 per 1,000; White Perfection, Pink Enchantress, \$15 per 1,000; White Enchantress, \$17.50 per 1,000; \$3 more for stock from soil. Cash or references. Northwestern Floral Co., Gross Point, Ill.

Carnations, Northport, Commodore, Enchantress Supreme and Salmon Beauty, Chas. H. Totty, Madison, N. J.

Carnations, chrysanthemums, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnation Commodore, \$12 per 100; \$100 per 1,000. E. G. Hill Co., Richmond, Ind.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

"Colorado Grown Plants Beat Them All." Chrysanthemum Rooted Cuttings, Early, Mid-season and late varieties: Yel. Bonaffon, Thurlke, Appleton, Halliday, Silver and Golden Wedding, Monrovia, White and Yellow Eaton, Golden Glow, Nonin, Robinson, White and Pink Ivory, Dekalb, Helen, Frick, Maud Dean, Touse, Vivand-Morel, Eugenehard and Rosiere, \$2 per 100; \$15 per 1000. April delivery. ELITCH-LONG GREEN-HOUSES, Denver, Colo.

Chrysanthemums, rooted cuttings, Golden Glow, Oct. Frost, Pacific Supreme, Major Bonaffon, \$1 per 100; Chas. Razer, best white, \$1.50 per 100. Edward Wallis, Berlin, N. J.

Chrysanthemums, Ramapo, 2½-in., \$15 per 100. Unaka, Gloria, Well's Late Pink and Smith's Advance, Chas. H. Totty, Madison, N. J.

Chrysanthemums, all the money making varieties. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, Chrysolara and Roman Gold, \$4 per 100. The E. G. Hill Co., Richmond, Ind.

Chrysanthemums, rooted cuttings, Erie Floral Co., Erie, Pa.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, 10 vars., 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, Verschaffeltii and G. Bedder, 60c per 100. The Erie Floral Co., Erie, Pa.

Coleus. A. N. Pievson, Inc., Cromwell, Conn.

CYCLAMEN.

CYCLAMEN GIGANTEUM, finest strain in existence, including GLORY OF WANDSBEK, finest salmoneum, orchid flowering, Rococo; strong transplanted seedlings, \$3.00 100; \$25.00 1,000. Cash, please.

Rober & Radke, Maywood, Ill.

Cyclamen, in full bloom, 5 to 7-in., 35c to 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

DAHLIAS.

Dahlias, 100,000 field-clumps; 100 varieties of cream. Get list. Benj. Connell, Florist, Merchantville, N. J.

DAISIES.

Shasta daisies, field-grown, strong plants, 75c per 100; \$6 per 1,000; Clumps, \$1 per 10; \$5 per 100; \$40 per 1,000. Cash with order or C. O. D. Write for Nursery Stock price list. E. J. Sheffield, Alvin, Texas.

Shasta daisies, special two weeks only; 50c per 100; \$4.75 per 1,000. Strong field grown. Alvin Jasmine and Floral Co., Alvin, Texas.

Daisies, yellow, 3-in., \$4 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

DRACAENAS.

Dracena Massangeana, 6-in., \$1 to \$1.75 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracena, Linden and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz. Vaughan's Seed Store, Chicago and New York.

Dracenas, Meredith Flower and Vegetable Co., Libertyville, Ill.

Dracena indivisa, 4-in., \$10 per 100; 5-in., \$15. J. E. Matthewson, Sheboygan, Wis.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

EASTER PLANTS.

Easter plants: Azaleas, novelties in pans, primroses, begonias, asparagus, hyacinths, Easter lilies, Cineraria Hyb. Grandiflora, araucarias, daffodils, tulips, Ipomea noctiflora, Ficus elastica, Hydrangea Otaksa, Cyclamen, Primula Obconica, Dracena terminalis, Kentia Belmoreana, aspidistras, ferns, all kinds, ferns for dishes, Spirea Gladstone. For prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Easter plants: Lilies, rhododendrons, hydrangeas, new French hydrangeas. Roses: Baby Ramblers, Orleans, Phyllis, Baby Pink Rambler, Junita, pink rambler roses, Crimson Rambler, Hiawatha, Tausendschon, Baby Tausendschon, Hybrid roses, Spirea Gladstone, genistas, double daisy Mrs. Sander, marguerites, lily of the valley. For prices see advertisement elsewhere in this issue. Robert Craig Co., 4900 Market St., Philadelphia.

Roses in bloom for Easter, Lady Gay, Excelsa, Tausendschon, Hiawatha, Flower of Fairfield, White and Pink Dorothy Perkins, Delight, American Pillar, 7 to 8 in., \$1 to \$6 each. Crimson Rambler, Phyllis, Orleans, Jessica, 5-in., 50c to 75c each. Erna Teschendorf, 5-in., 75c each. Hydrangea Otaksa, 7 to 8-in., \$1 to \$2.50 each; New French Vars., 4 to 6-in., 75c to \$1.50 each. Rhododendrons, \$1 to \$2 each. Vaughan's Seed Store, Chicago and New York.

Easter plants, acacias, \$1.50 to \$5. Genistas, 35c to \$1. Bougainvillea, \$1.50 to \$5. Heather, \$1 to \$1.50. Dorothy Perkins roses, \$1.25 to \$6. Crimson Rambler, \$1.25 to \$6. American Pillar, \$2 to \$2.50. Pink, White, Crimson, Baby Rambler, 50c to \$1. Hiawatha, \$1.25 to \$6. Marguerites, 50c to \$1.50. Hydrangeas, 50c to \$5. Azalea, Prof. Wolters, \$1 to \$2.50; Encke, 50c to 75c. Bottlebrush, \$2.50 to \$3.50. Crotons, \$1 to \$3. Thomas Roland, Nahant, Mass.

Easter plants, Baby Ramblers, Orleans, Jessica, Dorothy Perkins, Tausendschon, Spireas, Azaleas, Kalmias, Primula Obconica, Genistas, lily of the valley, cyclamens. Easter lilies, rhododendrons, funkias, Kentia Belmoreana, Phoenix Roebelenii, rubber plants, Araucarias, boxwood, aspidistras, Pandanus Veitchii, Crotons. For prices see advertisement elsewhere in this issue. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Easter stock: Lilies, hydrangeas, azaleas, spireas, Baby Ramblers, White Ramblers, cinerarias, cyclamen, primroses, hyacinths, tulips, Von Sion, princeps, narcissus, geraniums. For prices see advertisement elsewhere in this issue. Geo. A. Kuhl, Pekin, Ill.

Easter plants: Rose Tausendschon, 6, 7 and 8-in. pots, 75c to \$2 each. Yellow Rambler, 25c to 50c each. Lady Gay, 5-in. and 6-in., 35c to 75c each. Pink Rambler, 5-in., 25c and 35c each. Hermosa, 5-in., 25c and 35c each. Spirea Gladstone and Japonica, 5, 6 and 7-in., 35c, 50c and 75c each; Alexandra and Peach Blossom, 50c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Easter plants, 30,000 lily plants, 10 to 15 inches high, 10c per bud; 18 to 20 ins., 12½c per bud; 24 to 30 ins., 15c per bud. Spirea Gladstone, 5 to 7-in., 35c to 75c. Rambler roses, 50c to \$1 each. Genistas, 5-in., 50c each; \$5 per doz. Cyclamen, 5 to 7-in., 35c to 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

Easter plants, hyacinths, 4-in., \$10 to \$15 per 100; 5-in., \$20 per 100; Tulips, 5-in., \$15 per 100; 6-in., \$20; 7-in., \$25. Parkside Greenhouses, 1457 E. 70th St., Chicago.

ECHEVERIA.

Echeveria Secunda Glauca, \$25 and \$35 per 1,000. The Carl Hagenburger Co., W. Mentor, O.

EUONYMUS.

EUONYMUS VARIEGATA RADICANS JAPONICA, 2½-in. pots, 5c, 3 and 4-in. pots, 10c. CONARD & JONES CO., WEST GROVE, PENNSYLVANIA.

FERNS.

FERNS.

Scotti, 2½-in., \$4 per 100; Scholzeili, \$4 per 100; \$35 per 1,000. Boston, \$4 per 100; \$35 per 1,000.

DWARF FERNS FOR FERN DISHES. These dwarf ferns are used by the hundreds of thousands to fill dishes for table decorations. Our sales each year exceed fifty thousand plants. Our stock is in prime condition, ready to use at once. We offer 9 choice varieties, Pteris Cretica, Albolineata, Victoria, Wilsoni, Mayli, Pteris Multiceps, Aspidium Tausendschon, Sieboldii, Wimssett, Cyrtidium Falcatum or Holly Fern. Price 50c per doz.; \$3.50 per 100; \$30 per 1,000. Our new catalog giving prices on ferns, roses and all other plants ready now. Write for it today.

THE GOOD & REESE CO., Largest Rose Growers in the World, Box 18, Springfield, Ohio.

ROOSEVELT FERNS, 2½-in., \$6.00 per 100. CONARD & JONES CO., WEST GROVE, PENNSYLVANIA.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Ferns for dishes, assorted, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rates. Frank Orschlin, 4911 W. Quincy St., Chicago.

Five thousand Boston fern runners, 2-in., \$2 per 100. Campbell, The Florist, Chili Ave. and Thurston road, Rochester, N. Y.

Ferns. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, Boston. For sizes and prices see advertisement on front cover page. Vaughan's Seed Store, Chicago and New York.

Ferns, Meredith Flower & Vegetable Co., Libertyville, Ill.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus pandurata, 6-in., \$3.50 each. Elastica, 6-in., 75c to \$1 each. Poehlmann Bros. Co., Morton Grove, Ill.

GERANIUMS.

GERANIUMS.

Good, healthy, fall-rooted plants from 2½-in. pots at \$3 per 100; \$27.50 per 1,000 except where noted; Beaute Poitevine, Marquis de Castellane, S. A. Nutt, Jean Viand, La Favorite, A. Ricard, Mme. Landry, Mrs. E. G. Hill, Heteranthe, M. Jaulin, Red Wing (6c each). Our new catalog of everything you need mailed upon application. Write for it today.

THE GOOD & REESE CO., Largest Rose Growers in the World, Box 18, Springfield, Ohio.

NEW AMERICAN BEAUTY.

For the first time we are offering this wonderful new geranium to our many customers. Write for colored cut and prices on large lots, 2½-in. pots, 50c; \$5 per doz.

JOHN BAUSCHER, JR., Arcade Addition, Freeport, Ill.

Geranium Scarlet Bedder, \$1.50 per ten; \$12.50 per 100; \$100 per 1,000. Elmer D. Smith & Co., Adrian, Mich.

S. A. NUTT, Strong selected top cuttings well rooted, \$1.50 per 100; \$14 per 1,000. THE W. T. BUCKLEY CO., Springfield, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Geraniums, mixed, 3-in. in lot is Ricard, Nutt, Poitevine, Buchner, Montmort and other good varieties, \$3.50 per 100; 2½-in., \$3 per 100. S. A. Nutt, 2½-in., \$3 per 100; 2-in., Ricard, \$2.50 per 100; 2½-in., \$3 per 100. Mme. Sallerol, 2-in., \$2 per 100; all ready now. Cash. C. L. Humphrey, Zanesville, Ohio.

Geraniums, La Favorite and Mme. Buchner, 2½-in., \$20 per 1,000. J. E. Matthewson, Sheboygan, Wis.

Geraniums, S. A. Nutt, 2½-in., \$2.75 per 100; \$25 per 1,000. Meredith Flower & Vegetable Co., Libertyville, Ill.

Geraniums, S. A. Nutt, and 4 others, 3-in., \$4 per 100; 2½-in., \$3. Jos. H. Cunningham, Delaware, O.

Geraniums, Ricard and Poitevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. B. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Greens, ferns, \$1.35 per 1,000; 2,000, \$2.60; 5,000 or more, \$1.20 per 1,000. Robert Groves, 127 Commercial St., Adams, Mass.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Magnolia leaves, cycas leaves, American oak sprays, ruscus. Oscar Leistner, 17 N. Franklin St., Chicago.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Wild Smilax. Jas. E. Pinkston, Louisville, Ala.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

HYDRANGEAS.

HYDRANGEAS.

New Forcing Hydrangea Arborescens Grandiflora Alba or Hills of Snow.

For forcing or immediate sales; 1-yr. field-grown, 12 to 18 inches, 2 canes, \$1.25 per doz.; \$8 per 100; \$75 per 1,000. Select, 2 to 3 canes, \$1.50 per doz.; \$10 per 100; \$90 per 1,000. 2-yr. field-grown, 18 to 24 inches, 2 to 3 canes, \$2 per doz.; \$14 per 100; \$120 per 1,000. Our Catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangeas, new French. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Hydrangea Otaksa, field-grown, 3 to 10 shoots, 10c to 35c. The Erie Floral Co., Erie, Pa.

IVIES

ENGLISH IVY.

2½-in. pots, \$5.00 per 100.

CONARD & JONES CO.

WEST GROVE, PENNSYLVANIA.
English ivy, strong, 3-in. stock. Write for prices. C. L. Reese, Springfield, O.

English ivy, 4 ft., 4-in. pots, \$15 per 100; 4½-in., \$20. Bobbink & Atkins, Rutherford, N. J.

Ivy, English, 3-in., \$4 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

English ivy, R. C. 75c per 100; prepaid. Chas. Frost, Kenilworth, N. J.

LILY OF THE VALLEY.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the valley. Grow Bruns' celebrated Chicago Market, the finest forcing valley in America, \$18 per 1,000; \$9.50 per 500; \$5 per 250; Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MANETTI.

ENGLISH MANETTI STOCKS. A bargain, to close out surplus quick. Well rooted, carefully regraded and everything undersized or not up to strictly first quality discarded. It pays to buy regraded, repacked stocks. We offer 5-8 mm grade at \$12 per single thousand; five thousand or more at \$10 per thousand. 3-5 mm grade, \$8 per thousand; \$65 per ten thousand, to close them up quickly. Orders can be filled the same day we get them. Wire and say whether to ship by freight or express. Jackson & Perkins Co., Newark, New York.

MARGUERITES.

MARGUERITES.

Mrs. F. Sander, 2-in., \$2.50 per 100; 3-in., \$5 per 100; Alexandra and large dowering and California single, 2-in., \$2 per 100; 3-in., \$4 per 100. ROBER & RADKE, Maywood, Ill.

MOSS.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

Sphagnum moss, 1 bale, \$4.25; 5 bales, \$4 each; 10 bales, \$3.75 each; 25 bales, \$3.50 each. Live moss, \$1.25 per bbl. Rotted peat, 70c per sack. J. H. Sprague, Barnegat, N. J.

Moss, one 10 bbl. bale, \$3.50; two 10 bbl. bales, \$6.50. The Ocean County Moss and Peat Co., P. O. box 11, Waretown, N. J.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock. Storrs & Harrison Co., Painesville, O.

SHRUBBERY.

There are bargains to be had here in such varieties as spiraeas, altheas, weigellas and philadelphus, and this names only a few. We have acres of shrubs, well grown and ready for you. Write for price list.

The Conard & Jones Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

ONION SETS.

Choice re-cleaned ONION SETS, red, \$1.50; white, \$2; yellow, \$1.40 per bushel of 32 lbs. J. C. Zaplewski & Co., Growers, Norwood Park, Ill.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

ORANGES.

ORANGE OTAHEITE.

From 2½-in. pots, \$3 per 100; \$27.50 per 1,000. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Osmundine (Osmunda fibre or orchid peat.) The C. W. Brownell Co., Walden, N. Y.

PALMS.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms, 5 Latania Borbonica (7 ft.); 2 Sago (20 ft.); 1 Phoenix (7 ft.), \$15 to \$20 f. o. b. Washington. Gallaudet College, Washington, D. C.

Palms, Kentia Bel. and Fors., all sizes from 4 to 12-inch, 35c to \$15 per plant. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Palms, of all kinds. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Kentia Belmoreana, 3 leaves, \$1 per doz. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES

Pansy plants, full transplanted, Danish seed. In bud and bloom, \$1 per 100; \$10 per 1,000. Cash, please. Edgar Easterday, Nokomis, Ill.

Pansy plants, \$1.50 per 100. Jos. H. Cunningham, Delaware, O.

PEONIES.

PEONIES.

"Peonies for Pleasure." This book of "Peonies for Pleasure" gives information on peony history, soil and plants to use; how and when to plant; fertilizers and how to apply, and describes the most extensive planting of really valuable Peonies ever gathered together under the sun; describes the old and the new as well as the plebeian and aristocrat of the Peony family. If you want information on the plant that stands next to the Rose in beauty, that is practically known to the amateur as simply a red, white and pink Peony, then send for "Peonies for Pleasure." We also issue a special wholesale price list of Peonies for Fall Sales, 1913. Send for both of these booklets. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

Peonies. W. & T. Smith Co., Geneva, N. Y.

RHODODENDRONS.

Rhododendrons, 10 car loads of Rhododendron maximum, 2 to 5½ ft. high, nursery grown or transplanted 3 yrs. or more, \$350 a car load of 200 plants. Lowland Rhododendron Farm, Kingston, R. I.

Rhododendrons. The Storrs & Harrison Co., Painesville, O.

POINSETTIAS.

POINSETTIAS, about 1,000 strong 2 and 3-year-old stock plants at \$5 per 100. Cash, please. Heintz & Weber, 1640 Plum St., Terre Haute, Ind.

PRIMULAS.

Primula Malacoides, very fine, strong, plants, full bloom, 3-in., 75c and \$1 per doz.; 4-in., \$2 and \$2.50 per doz.; 4½-in., \$3 per doz. Obconica, fine large plants, full bloom, \$4 and \$5 per doz. ROBER & RADKE, Maywood, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

ROSES.

STOCK FOR SALE.

ROSES—For Summer Bedding—Bessie Brown, Pink Maman Cochet, White Maman Cochet, Gruss an Teplitz, Helen Good, Hermosa, Helen Gould, Lady Hillingdon, Miss Alice de Rothschild, Mrs. Taft, (Antoine Riviere), President Taft, Rhea Red, Sunburst, Tausendschon, (Excelsa) Red Dorothy Perkins, Dorothy Perkins, Lady Gay, Crimson Rambler, Wm. R. Smith and all other bedding Roses from 2½ and 4-in. pots. Our new catalog giving prices on all roses and other plants ready now. Write for it today.

THE GOOD & REESE CO.

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

Roses, grafted, Richmond, White Killarney, Bride, Kaiserin, Pink Killarney, Bridesmaid, 2½-in., \$10 per 100; \$100 per 1,000. Own root, My Maryland, Pink Killarney, Richmond, Perles, White Killarney, Kaiserin, 2½-in., \$5 per 100; \$47.50 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Roses, 2½-in., American Beauty, \$5 per 100; \$45 per 1,000. W. Killarney, P. Killarney, Melody, Sunrise, \$4 per 100; \$35 per 1,000. Richmonds, \$3 per 100; \$25 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Roses. For varieties and prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Roses, grafted and own root. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Leedle Floral Co., Springfield, O.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Rose Mrs. Geo. Shawyer, own root or grafted, \$30 per 100; \$250 per 1,000. The E. G. Hill Co., Richmond, Ind.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Roses. 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.



Garland Trussed Iron Frame House 43x300, Built for Dobbs & Sons, Auburn, N. Y.

THE GEO. M. GARLAND CO.,

MAIN OFFICES: Des Plaines, Ill.

Branch Offices:

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Rooted cuttings, Ageratum, Stella Gurney, 60c per 100. Daisy, Mrs. F. Sander, \$1 per 100. Hydrangea Otaksa, \$1 per 100; Vinca Var., 75c per 100. Edward Wallis, Berlin, N. J.

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Shamrocks, true Irish, 1½-in., pots, \$3 per 100; \$25 per 1,000. Strong plants in 1-in. pots with saucer, \$4 per 100; \$35 per 1,000. Frank Oechslein, 4911 W. Quincy St., Chicago.

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Smilax, 4-in., \$1 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

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Snapdragons, Ramburg's famous silver pink, rooted cuttings, \$2 per 100; extra strong 2½-in., \$3.50 per 100. Addams, Morgan & Co., Paxton, Ill.

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Fall bearing strawberry plants (best varieties; catalogue free. Basil A. Perry, Cool Spring, Del.

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800,000 vegetable plants, Cabbage, cauliflower, tomato (100 postpaid 60c), 1000, \$4. Beets, lettuce, asters (100 postpaid 35c), 1000, \$2. Glucks Plant Farms, Lancaster, Pa.

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VERBENAS, mammoth flowering, white and pink, strong transplanted plants, 75c per 100; \$7 per 1,000.

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Vinca Variegata, fine rooted cuttings, \$5 per 1,000. Green vinca, \$3 per 1,000. Write quick; sample on request. D. E. Adsit, Jamestown, Ohio.

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Mend your split carnations. Finest article for carnation growers introduced so far, 50c per 1,000, postage paid.

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Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5936 Penn Ave., near Highland, East End, Pittsburgh, Pa.

Siebert's glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

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Paasche air brush. Paasche Air Brush Co., 606 Blue Island Ave., Chicago.

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Cane Stakes, Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000 \$5. Vaughan's Seed Store, Chicago.

Last Chance On the Special Sash Offer

THE offer was good for 30 days—not a day longer. Nine days are left.

If you haven't ordered—better step lively. It's probably the only **Special Sash Offer** we will make this year.

We have tried to mail to every grower in the country circulars, stating exactly what the offer is on both Single and Double Lite.

If your circular never came—write us at once, and we will reply same day, so you can surely get your order in before the time limit expires—on the 24th.

Test No. 1.

After you get our sash, test them out. Try jamming them down on the corners. If the joints open up—you are stuck and better send the sash back.

Test No. 2.

Glaze one up—give the putty three days to harden up—then hold up one end and have your man press down on the center with all his might. It shows up the strength and importance of our steel rod center bracing.

Test No. 3.

You grip one end of the same glazed sash, and have a couple of your men grip it at the other end, and try twisting it to break the glass. After a couple of tries you will give it up.

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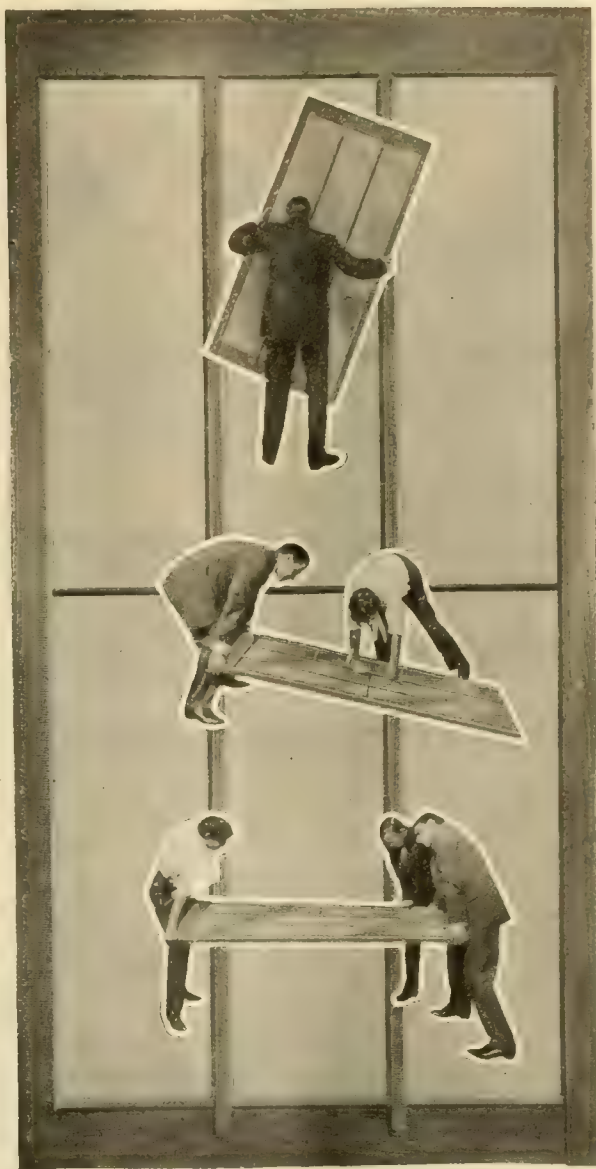
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Montreal.

DEMAND GOOD.

There are more flowers of some kinds than sold, but this only applies to bulbous stock. Roses, carnations, violets and lilies of the valley are always in demand and there is no noticeable oversupply, even these later days of Lent, when as a rule the flower trade is not very active. Easter lilies, with the continued favorable weather, will be in on time and should be also of sufficient quantity. Other plants like pot grown roses, lilacs, spireas and azaleas look splendid and no trouble is expected. Some anxiety prevails in regard to lilies for Easter.

NOTES

At the meeting of the Montreal Gardeners and Florists' Club, last Monday night, Archie Walker of MacDonald College was down with his paper on ferns from spores and their culture. If there is still the usual shortage of small ferns, it is not Prof. Walker's fault, but the grower's. It was the most thorough essay of its kind ever read before the club. Jas. Kean, of the Mt. St. Bruno Floral Co., brought an exhibit of Alma Ward

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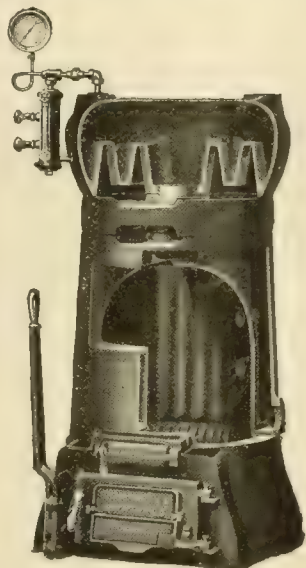
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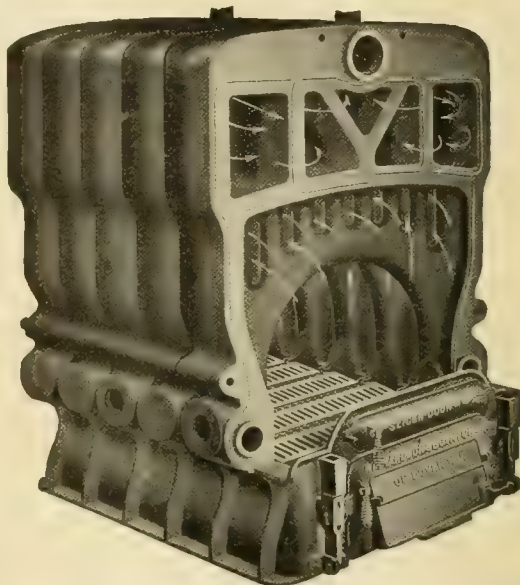
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carnations and Richmond roses for which a cultural certificate was awarded. Mr. Kean was strongly advised to exhibit at the Third International Show, next month in New York. W. R. Whiting's exhibit of *Primula stelata*, received honorable mention. Wm. H. Hay, John Low and Geo. Hopton, were elected new members. W. Cotter of the Montreal Floral Exchange, is negotiating with the members with a view of taking a party of not less than ten to New York next month to visit the flower show.

A. J. Bowles, secretary of the Montreal Horticultural Society, is about to close on the splendid hall of the Winter Club for the September exhibition. This is by far the best hall we have had for a long time. It is centrally located, on Drummond street, and everybody concerned has promised to make this the best show ever.

A. C. Wilshire, A. Ferguson, Geo. Hopton and J. Luck, are up in Peterboro to attend the executive committee meeting of the Canadian Horticultural Association.

L.

Los Angeles, Calif

Everything is very backward in the southern part of the state. The weather has been rainy lately. Frost did much damage to orange and other fruit trees and many are being dug up. Many nurserymen were hit hard. January business was fair and February very good. March is expected to be the best month for years.

E. H. Rust, in order to fill his many orders, has been compelled to engage extra help. This is a common occurrence in the trade.

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UP TO 32 FEET OR LONGER.

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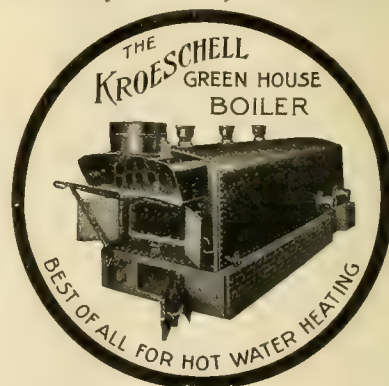
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NOW that sweet peas are being grown so profitably there are a lot of growers who have ceased to throw stones at a house with a moderate number of columns.

They find them mighty handy to wire on.

In George Schuman's 30-foot, half iron frame houses at Baldwin, L. I., there are 4 columns. The illustrations show what a glorious crop he grows. He told me on January 22nd, the day we took the photos, that they were planted in July and he began cutting in September. The 12 foot vines were still blooming freely.

If you should ask us, we would advise your building a house with high enough sides and enough columns so



you could grow anything you wanted to at any time.

It always seemed to me like "monkeying with destiny" to build a big expensive house along lines adapted for growing limited things.

A change in market conditions or the fickleness of fashion may make the paying flower of this season "a dead one" next.

So why don't we get together and talk over our ideas of what an-all-around - practical - growing - house would be for you.

It may be that our New Cantilever Construction is "the-all-around-house."

If so, you ought to know why it's so. Glad to hear from you.

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CLUB MEETING.

At the March meeting of the Albany Florists' club a letter was read from W. R. Pierson, chairman of the publicity committee of the New York Florist club, calling attention to the advisability of advertising in the local papers the use of flowers for holidays and special occasions. A second letter setting forth the idea in more detail was read also from a daily newspaper association in New York with which the New York club is co-operating. Both letters were ordered referred to the publicity committee. It is likely that the committee will take up the matter for Easter and conduct a campaign in some of the local papers. Fred A. Danker said that the club should go on record in favor of the bills of Senator S. J. Rampsberger and Assemblyman E. D. Jackson to appropriate \$60,000 for a range of experimental greenhouses at the New York State College of Agriculture, Cornell University, Ithaca. A similar bill was introduced in the legislature last year but failed to pass. As an argument in favor of the bill it was shown that in 1909 the value of plants and flowers sold in the state was \$5,149,000, an increase of \$2,281,000 over 1899, or 79 per cent. New York exceeded its nearest rival, Pennsylvania, in 1909, in the value of its plants and flowers by \$1,300,000, and Illinois, third on the list, by \$1,500,000. The bill was endorsed and the club voted to appoint a committee to call upon Governor Sulzer and to co-operate in favor of the bill. W. C. Gloeckner presented a resolution that the club endorse the movement to re-establish Albany as a port of entry. President Taft at the close of his administration signed a bill reducing the number of customs districts in the state to four, and abolished Albany as a port of entry. Many of the growers in this section found the port a means of great convenience in the importation of stock and the club endorsed the movement for restoration. In connection with the meeting an exhibition of a number of interesting varieties of roses, carnations, and other flowers was held. President Frederick Henkes showed several seedlings of carnations of his own growing that made a good impression. The colors ranged from light to a very dark red. F. A. Danker showed Red and White Killarney and President Carnot roses. Velie Bros., Cedarcliff, Enchantress Supreme; Frank Velie, Rhinebeck, double violets; A. N. Pierson, Inc., Cromwell, Conn., sent a vase of his new rose Milady. The Albany Cut Flower Exchange showed President Taft roses, also

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It's No. 1000 8-inch drop forged tool steel. Has four cutters; cuts and holds the wire after it is cut. For fences, wire tying, bending, or stretching, or all-around plier purposes, "RED DEVIL" button pliers have no equal. Your hardware store sells them as well as "RED DEVIL" glass cutters. Ask for and insist on "RED DEVIL" No. 1000 plier. If not on sale, send us 50c., and one only sample pair will be sent you postpaid.

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Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

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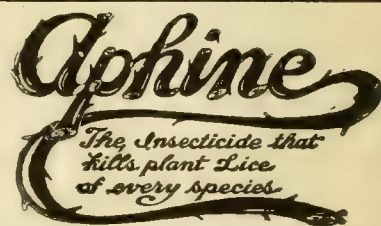
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mignonette, lilies of the valley, and some fine pink sweet peas that out-of-town growers are sending into this market. H. G. Eyres sent some primula obconica. Thomas Stone of Kingston had on exhibition the single violet Governor Herrick and Frank Dolansky of Lynn, Mass., sent some gardenias. The meeting came to a close with refreshments and a social time. Edward P. Tracey of The Rosery passed around cigars in honor of the arrival of a little girl at his home a few days ago. Mr. and Mrs. Tracey were married about a year ago.

The Albany Cut Flower Exchange reports orders and inquiries for Easter stock in good volume.

R. D.



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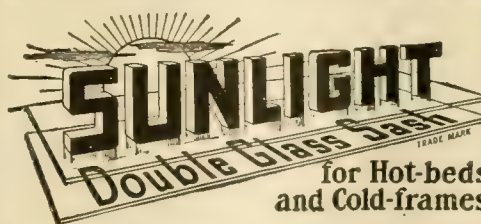
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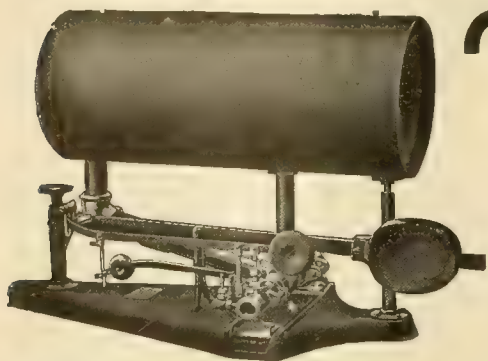
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THE AMERICAN FLORIST



America is "the Prow of the Lessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XL

CHICAGO AND NEW YORK, MARCH 22, 1913.

No. 1294

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Amflo, Chicago.

Subscription, United States and Mexico, \$1.00 a year; Canada, \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from the trade. Volumes half yearly from August 3, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—J. K. M. L. FARQUHAR, Boston, Mass., President; THEO. WIRTH, Minneapolis, Minn., Vice-President; JOHN YOUNG, 54 West Twenty-eighth Street, New York, Secretary; WM. F. KASTING, Buffalo, N. Y., Treasurer. Next annual convention and trade exhibition at Minneapolis, Minn., August 19-22, 1913.

Third National Flower Show, New York, April 5-12, 1913. JOHN YOUNG, Secretary, 54 West Twenty-eighth Street, New York.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at New York, April, 5-12, 1913. A. FARENWALD, Roslyn, Pa., President; FRANK H. TRAENDLY, New York, Vice-President; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., Secretary.

AMERICAN SWEET PEA SOCIETY.

Annual convention and exhibition at Boston, Mass., 1913. WILLIAM SIM, Cliftondale, Mass., President; HARRY A. BUNYARD, 342 W. Fourteenth street, New York, Secretary.

An Easter Lily.

It lay beneath cold winter's snowy cloak,
In dormant state, a bulb, a senseless thing;
But when it heard the voice of Spring, it woke
To pay its annual tributes to the King.

Up through the earth its emerald leaves it sent,
Its glossy leaves, all pointing towards the sky;

And modestly its fair young head it bent,
While tears of dew were glist'ning in its eye.

And when the glorious Easter-tide had come—
The morn when Christ ascended from the dead—

It scattered wide and far its sweet perfume,
And raised towards Heaven's dome its bowed-down head.

Almighty Father! Hear the humble prayer
Of this weak mortal, this glad Easter-day!
Let me live like the lily, pure and fair,
And blossom 'neath Thy feet, for aye and aye!

ALFRED C. MOHR.

SUGGESTIONS FOR PLANT GROWERS.

Hotbeds.

Available bench space is always a serious question with the grower at this time, for the stock is growing rapidly and soon crowds, and if not given room will grow out of shape and not make good stock. In order to meet this condition there is nothing better than a good hotbed, for here can be grown quantities of the young stock and they can easily be cared for and will make better plants than can be grown in the houses. These hotbeds can be heated either by running steam pipes through them or by making them of hot manure. Three lines of inch steam pipe, one in the center and the other two about eight inches from the sides, will provide a bottom temperature of 70 to 75 degrees. These should be laid in trenches about 10 inches deep and covered with light soil and the whole bed spaded so that the heat can penetrate it. Steam should be turned into the pipes two or three days before using and the sash put on so that the soil may be thoroughly heated. After the soil has become warm it will take but a little steam occasionally to keep it so and this can be done when the pipes in the houses are being shut off in the morning, and when the fires are started in the evening. In using manure it should be damp enough so that it will not burn and be packed solid before covering with soil.

Shading Plants in Flower.

As the early spring stock and the plants that bloom later come into flower they will often need a shade to keep them in the best condition, for at this time when the sun in the houses is so strong nothing so quickly fades the high colors in azaleas, roses and bulbous stock as the brilliant sunshine. While white-washing the glass will give the necessary shade yet in many cases the plants are placed where no shade is wanted for some little time, and a much better plan is to purchase a piece of cheese cloth and stretch it over the bench on wires. This is inexpensive and easily arranged and it also protects the flowers from soot and dust

that enters the open ventilators and blemishes any light colored flower. Where lilies are fully advanced and are being run cool this makes the best shade, and a strip can also be run along on the south side of the bench to protect them from the direct rays of the sun. A piece of cloth of this kind can be used in many ways throughout the spring to furnish shade to certain plants when it is not advisable to shade the entire house, and with proper care can be used for many years.

Gloxinias.

For the grower who has a retail business connected with his greenhouse there is no better flower that can be grown than the gloxinia, for they make a nice plant for summer blooming and a select cut flower for work during the months of July and August. They are one of the best house plants that can be grown at that season and when in full bloom are very ornamental in any window. The bulbs should be started the latter part of March to have them in bloom in July and August. The bulbs should be started in 3-inch or 4-inch pots, according to the size of the bulb, the soil should be two-thirds light loam and one-third manure (well rotted), with some sand added, or if leaf mould is obtainable this is preferable to the manure. In potting fill the pot about one-third full of crocks and lumps of charcoal and cover with a thin layer of moss. Set the bulb so that the top is even with the soil and then place them in a house with a temperature of 60 degrees. Give them a thorough watering and after that but little water until the leaves begin to form. As soon as the roots begin to grow they should be shifted to larger pots in the same kind of soil, always giving plenty of drainage. Never allow them to get pot bound until the buds begin to form but shift them to a size larger pot. Be careful in watering, never syringe them, and can watering is to be preferred, for water on the leaves ruins the beautiful foliage. As the warmer summer days come on they should be given a light shade.

Violets.

As the sun grows brighter and the days grow warmer the violet flowers unless shaded will grow lighter in color and much smaller, but there is always demand for violets as long as flowers of good quality can be picked, so heavy shading can be resorted to in order to prolong the season. The low sash houses are very easily shaded, but it is more difficult to carry violets along into the warm weather in the large houses. We have often prolonged the picking of good violets into May by removing the sashes off of a sash house as soon as the nights become warm enough to do this safely and place wooden shutters on the frame in place of the sashes. This will keep the house shaded and cool and yet permit enough light to enter to allow the plants to produce good flowers. This can also be done with cold frames which are really preferable to sash houses, for the shutters can be lifted at the back and propped up with short sticks and this will provide good ventilation. We have kept violets blooming with splendid flowers until May by this method.

The young stock if it is to be planted in the field should be set out at the earliest possible time, just as soon as the ground can be ploughed and harrowed. The young plants take hold much quicker when the soil is moist and before the warm days come on, and very often there will be a dry spell in May, at which time it is almost impossible to get the young plants started unless they were planted early enough to have rooted into the soil. The young stock in flats and pots for planting inside are much better in a cold frame now than in the houses.

Gardenias

The best time for propagating gardenias is in February and March, for it is easy to maintain the high temperature that is required and good cuttings are obtainable. The best medium for the propagating bench is a mixture of fine chopped sphagnum, peat and sand in equal parts, and it is very important to have sufficient heat—75 to 80 degrees bottom heat and 70 to 75 degrees on top. Be sure and select the cuttings from strong growing healthy plants. The cuttings should be syringed two or three times a day and protected from the sun, and no draughts should be allowed to blow across them. A propagated bench with a sash over it makes a very suitable place. With such treatment the cuttings will root in three to four weeks, when they should be potted in 2½-inch pots in a soil composed of half peat and half rotted compost. They should then be placed in a house with a temperature of about 70 degrees at night and 75 to 80 degrees by day for a week or so until the roots have grown into the soil, when the temperature can be reduced to 65 degrees at night and 70 to 75 degrees during the day. In three weeks they can be shifted to 3-inch pots and after this shifted as required, for they should never become pot bound. All the buds should be removed as they form to secure a strong, healthy growth.

GALESBURG, ILL.—E. R. Bennett of the Colorado Agricultural College has been appointed horticulturist for the Rock Island railroad.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

The Standing Cross.

SEE SUPPLEMENT WITH THIS ISSUE.

As is only natural to suppose, the cross is one of the most popular of floral designs for funerals and it may be made one of the most beautiful as well if the designer is in sympathy with his work. It should not be forgotten that artistic beauty rather than expense should be striven for at all times. All of the three styles of floral crosses—the kind made to lie flat, the reclining cross and the standing cross—are capable of being made very beautiful, but the standing cross with its base may be made in large sizes and should well repay the florist for the time and trouble.



Chicago Flower Show Poster.

Above all crowded or too compact work should be avoided in designing this offering. The wire frame should be adhered to closely enough to show the form of the cross with good advantage, but the longer stemmed flowers should be used, making fewer of them necessary and giving the design a looser effect than where they are crowded in for the sake of using up all the material possible. The cross may be made of any of the bright colored flowers in season, and several kinds or but one variety may be used. Orchids and lily of the valley may be used with good effect as may roses and carnations, adiantum or other greens, as well as galax, ivy, etc., which are good to finish the design with. Garlands of flowers hanging from the arms or sprays across the face of the cross add greatly to its beauty. Much latitude is afforded the designer in the base of the cross as no special form must be adhered to here. This is well illustrated in the supplement which accompanies this issue, as much of the piece's beauty is due to the handsome effect of the base. In this design white carnations are used for the solid part and the spray of roses and lily of the valley add much to its beauty.

Publicity.

Paper read by W. J. Vesey, Jr., at the March meeting of the Indiana State Florists' Association at Ft. Wayne.

Mr. President and fellow-members, the subject for the remarks I am going to make has been the absorbing topic among the allied trades for the last year, and no doubt most of those present have given a good deal of thought to this topic, namely publicity. This association was organized for the same reason that other clubs and associations were organized, which was the advancement of the members' interests. We have secured the advancement in that we know how to grow stock better, keep down disease and many other things of note. But the times are changing and so must we. Millions of feet of new glass have been erected in the last year, which means a far greater supply of flowers than ever before. As yet nothing has been done toward creating a demand to counteract the increased supply. Well, why not now? I might say we are a fraternity, and a fraternity is only strong when they pull together. We want to plan our business interests together, or in other words, we want co-operation. We want to especially study what interests the public. The road to success lies in serving the public and this can only be done by us all taking a common interest in the forward movement.

This association cannot hope to accomplish all that we would wish. Our strongest hope lies with the national society. It is to the S. A. F. that we should lend our help and attention, as it is mainly through this body that we can hope to draw the attention of the public to our wares. Let us consider what the S. A. F. means to the average florist. It means a vacation, a picnic and a general good time. But those of you who have attended the last two conventions have found a different atmosphere prevalent. Questions of exceeding importance have come before the convention to be passed and acted upon. The florists that attend these present day conventions are thinkers. They have come to realize that the business is not as easy as it used to be. At the last convention, which was held in Chicago, a publicity committee was appointed. Through some mistake or oversight, this committee was given no power to act, inasmuch as there was no sum of money set aside for this purpose. I believe that a fair sum will be forthcoming this year. The purpose of this committee was to get out such advertisements and reading matter which would attract public attention in the desired direction. To send copy to representative cities for all leading flower days, such as Christmas, Easter and Thanksgiving. To send copy which would eventually make national flower days of Lincoln's birthday, McKinley's birthday, St. Valentine's day and Mother's day. There are unlimited possibilities for this committee. They could suggest to the political parties of this country they should have a special flower emblem. Just stop and think what this one item would mean to our business. They could reach the women of this country through such mediums as House and Garden, Country Life, Ladies' Home Journal, Woman's Home Companion and numerous other magazines. They could teach the women how to care



STANDING CROSS OF WHITE CARNATIONS WITH SPRAY OF ROSES AND LILY OF THE VALLEY.

for plants in the house and garden, when to sow seeds, the varieties, how to water, and numerous other cultural notes. Do you not think this would awaken a widespread interest in our trade?

One of our big opportunities is the awakening of so many cities to civic improvement. This item alone is of prime importance to us, in that it arouses public interest to the beautiful things we grow which could probably be aroused in no other manner. Civic Improvement I spell with four letters—h-o-p-e. Another item of recent date and of vast importance to us is parcel post. Parcel post has opened up unlimited territory for us to work in. Seedsmen can now quote prices in their catalogues on goods delivered to the door. This is an attractive issue to the average catalogue buyer. If the people learn to buy from the seedsmen through parcel post, why not from the cut-flower man?

You have all noticed the lack of attendance at flower shows. Why is this? You all know the answer. The shows have not been advertised in the manner and places that attract public attention. The public have not been made to realize what they have missed by passing by a flower show. We must surely realize that a flower show is one of our fortes. Why go to the trouble of getting up a flower show with all of the provoking problems and not properly advertise it? I attended the national show in Boston, and from the size of the crowds each day anyone could tell that a great deal of thought and attention had been given to advertising. The building was exceedingly large, the crowds so large one could hardly force a way through. Did it pay? Well, rather.

Gentlemen, a big opportunity is coming to bring the trade under public notice. That opportunity will be April 5 to 12 down at New York. A wise selection was made when the National Flower Show committee was chosen. Every member is an energetic one, and doing all in his power to make it a success. And I think it will be. It has been largely advertised all through the East. The entries are large but they should be larger, and would be if the florists realized what an excellent chance they have to impress the public. All of you gentlemen should attend this show if it is possible to do so, for you will receive value for value.

A small way to advertise which is overlooked by nearly every florist is the buttonhole bouquet. Perhaps you do not realize the value of this small item. How easy it is to stop at the refrigerator and select a nice carnation or rose and put it in the buttonhole before going downtown. We all do it at a florists' meeting, but why not at home? I am like the rest of you. I hate to wear a flower, simply because no one else does. Nevertheless we are overlooking one item of advertising. I think I'll advertise from now on.

The florists' papers have taken up the matters of publicity in this way. In a February issue they went to a great deal of trouble and expense to show the trade how to advertise properly. They went still further, they printed numerous photographs regarding new modes in the arrangement of boxes and decorations for St. Valentine's day. That issue no doubt helped a great many florists along this particular line. They have made a start in the right direction and I hope they keep it up. The New York Florists' Club has taken up the question of

publicity, and from all reports, the proposition seems to be moving along nicely. That is what all the florists' clubs in the country should do. And this will be the final outcome, as the florists are awakening to the fact that something should be done toward creating a demand.

Speaking of creating a demand, brings to my mind Mr. Wrigley, the chewing gum man. He had to create a demand and he did it solely by advertising. You used to read in the street cars and public places his advertisement, "Buy a package." You read his advertisement today and it is "buy it by the box." I was talking to an advertising man the other day about the wonderful advance of this chewing gum. He told me Mr. Wrigley had closed a contract with the McBee Co. for \$5,000,000. The McBee Co. to my knowledge advertises in electric cars only. Another good example is W. K. Kellogg and his breakfast foods. You all know how his products have come to the front in the last five years. In conclusion I would say, let every florists' club the country over fall in line with the New York club, and be together in a universal movement to create a demand.

LAKE FOREST, ILL.—Hild Bros., of this place, have an unusually meritorious strain of stocks which they claim has been selected and developed by themselves.

PITTSBURG, PA.—A charter has been issued to J. M. Phillips Sons, Inc., this city, to handle florists' tools and supplies. The incorporators are F. Heckman, Glenwood; E. H. Phillips, E. V. Phillips, M. W. Rigdon, Pittsburg, and F. J. Tyrell, Homestead; capital, \$10,000.



BANQUET GIVEN BY THE BUFFALO FLORISTS' CLUB, MARCH 3, 1913.

THE CARNATION.

Carnation Five Inches Across.

Many years ago the late John Thorpe predicted that we would have, as we recall it, carnations producing blooms 4 inches in diameter. Not a few well informed workers among carnations laughed at Uncle John when he issued this statement, saying such a thing was impossible. We believe, however, the prophet lived to see his far seen hopes fully realized, and now H. Roth of LaFayette, Ind., goes him an inch better with his wonderful flower exhibited at C. W. McKellar's store, Chicago, March 14. This is a flower of very desirable red shade, good in form and substance and quite fragrant. Both stem and calyx are all that can be desired as seen in the eight flowers exhibited.

New Carnations.

Paper read by Elmer Weaver before the Lancaster County Florists' Club.

"Starting with Benora, it looks like an ideal variegated, exceedingly free bloomer, stem of sufficient length and strong enough to hold flower erect. The color is good, although carrying a slightly yellow cast. Growth is healthy and vigorous and cuttings root about as easily as Beacon, which means you may get them rooted if you are careful, very careful not to allow any chance for them to get too wet, too dry, too hot or too cold. Don't let any wind blow over them and a few other 'don'ts.' In transplanting from the field plants take hold easily and in a few weeks blooming shoots are forming in abundance. On the whole, it is a variety worthy of trial, though its color would preclude the growing of it universally in large quantities.

"Delhi is an improved Victory, and as I personally could never muster much enthusiasm over Victory, I do not know whether or not I think much of Delhi. With us it has somewhat the habit of a sweet potato vine, the stems showing a tendency to grow horizontal instead of vertical. Even though it formed such undesirable habits here it certainly makes enough flowers and will make as many during the season as anything in sight. I have seen it growing in Chester County this season and can say it was a fine sight, far ahead of Beacon in the same house, as good a stem, better color, freer bloomer and not the cropper Beacon is, though the flower looks as though a trip to the laundry would improve it greatly. Victory looks like a wilted collar and Delhi the same.

"Comfort has had the advantage of two seasons' experience in our place and when you visit us next season you will find 10,000 plants growing on the place. I know a number of you gentlemen are afraid of Comfort because it looks sleepy under certain conditions. The grower who thinks Comfort sleepy and discriminates against it on that score is nearer asleep than the carnation. He had better take a nap and when he wakes up and feels fit try Comfort. It is not so high in quality as Mr. Rohrer's seedling, but will produce more money per square foot of bench surface than any red we now have.

last season's novelties with which we "Rosette is the fourth variety of

are experimenting and from the ultimate dollars and cents point of view I feel sure the best; first, from what it is showing itself to be and, second, because it is one of Dorner's seedlings, all of which have made good here except Scarlet Glow. It differs from their other recent introductions in that its growth is heavier and that it makes plenty of good cuttings that root easily. When lifted and planted indoors it was ready for business long before Mrs. Ward, White Perfection and some others had decided whether they wanted to move or not. The stem is very stiff, of good length, the flower larger than either Gloriosa or Pink Delight, deeply serrated, center well filled and of unusual depth. In color it is perfectly clear and very nearly a Lawson shade, having none of the streaks or faded edges sometimes found in Mrs. Ward. My commission man pronounces it a very desirable shade and an excellent keeper.

"One year's trial is not sufficient to determine the merits of a variety unless it shows characteristics so bad and so universal that the condemnation is general, as quite frequently, indeed, too frequently occurs. Any variety showing many good points and a few defects is worthy of care and further trial, as something in our treatment individually may accentuate the good points and minimize the bad so that in the end we are the gainers. Even though we unfortunately are handed many gold bricks, I feel it pays to try at least a few of the new ones as introduced, but not so few that they do not seem worthy of our care. Then do not throw them out until you are sure there is no money in them for you, or that they are not better than the variety they are intended to replace.

"This constant adding and discarding of new varieties is expensive, but if you do not do it, you will soon, very soon, be comparing the market reports in the trade journals with the returns from your commission firm, with the result that you will decide that the reporter for the trade journals should be in the Ananias Club or the commission merchant in jail, while the cause usually is to be attributed to our own lack of business acumen in keeping up with these progressive times. Some years back we experienced something like this. Mrs. Lawson was given a trial in a small way and in a careless manner, with the result that we discarded it the first season as no good, and you all know that we did not know anything about it at that time when we said Mrs. Lawson was no good and that we lost good money by our hasty action. Later on, when everybody was doing it well, we bought stock again, but we lost several seasons when the flowers were bringing big money.

"A present-day parallel is Gloriosa, about the grandest we have had up to the present time. I have made many inquiries regarding this variety and have had a great variety of replies, never realizing before how many people are affected by various degrees of indecision. Several are propagating and buying all they can get of it; others say frankly they are going to discard it, while still others are up in the air and don't know yet what they want to do. The chief objections to

this variety are its lack of desire to reproduce itself by a cutting and its lack of growth in the field. These faults should not deter us from experimenting until we overcome them. This tendency to run to a flowering shoot in a short space of time can be partly overcome by topping part of the shoots back when bringing them in from the field. If we can get the results Mr. Brinton has at his place we would certainly be foolish to discard it."

In addition to Mr. Weaver's paper we had on exhibition blooms from C. Akehurst & Son, White Marsh, Md., of a very fine pink seedling carnation; the Cottage Gardens Co., Queens, N. Y., exhibited Matchless, a superb white; the E. G. Hill Co., Richmond, Ind., Commodore, in fine form and a good red. There was also a very handsome vase of Northport, which promises to be a leading pink. Henry Rohrer of Lancaster, Pa., had another fine vase of his new red, which he has named "Scarlet Wonder," and very aptly, as it certainly is a wonder among the scarlets. He is selling a limited amount of it this season. Visitors were Walter Mott, representing Benjamin Hammond, of Fishkill, N. Y.; C. U. Liggit, of the Pennock-Meehan Co., and L. I. Bolton of Holtwood, Pa.

ALBERT M. HERR.

FLORISTS' PALMS.

Shading, Insects, Potting.

After the middle of February the sun gets powerful enough to require some shading on the palm houses, at least on the south side of those houses that run east and west, and soon after March 1, shading will also be needed on the north side. This does not mean that a heavy coat of shading should be given now, but that enough shade to keep the plants in color and to protect the foliage from burning, is a proper precaution. Of course the frosts at night and not infrequently snow during March and the early part of April are hard on the shading material, and frequently necessitate its renewal, but this is one of the things that requires attention if one wishes to produce stock of good salable character.

Insects too are waking up as the spring approaches, and there is often to be seen aphids of two or three kinds on the young growth of the palms, these pests tucking themselves away in such places as are not easily reached by the water in syringing. The small yellow thrips and also red spiders are likely to appear with the bright days and higher temperature of the season, and this means an active campaign of examination, for small as these insects are, they possess good healthy appetites, and the result of their feeding is seen in discolored and crippled foliage. A strong force of water is the best weapon with which to fight red spider, and this should be directed to both, the upper and the lower sides of the leaves in syringing, for on palms the red spider does not confine its attacks to the underside of the foliage only, but also gets busy on the upper surface too, these attacks being usually indicated by the concaving of the leaflets, due to the contraction of the leaf from the insect punctures.

Carnation

Five

Inches

Diameter



H. Roth

Lafayette

Indiana

Originator

Thrips may be dislodged by syringing, but it requires some nicotine solution to destroy them entirely, the spraying with nicotine usually giving the best results for the money invested, though a combination treatment consisting of spraying in the afternoon and fumigating at night, is a good method to pursue in severe cases. For scale insects, sulpho-tobacco soap seems to be one of the effective remedies, and is much used as a dip on small stock, and as a preventive treatment is sprayed on the larger plants. It is easy to say that a good grower should not have these insect pests to contend with, but in some instances scale insects are found on the palm seeds when they arrive from their native country, and the insects consequently may appear on the first leaf the seedling throws up, thus getting established on the plant before their presence is noted.

One of the small brown scales is thus found at times on seedling kentias, and in its early stages is not easy to see with the ordinary eye, and this particular pest is not readily dislodged, for it clings very closely to the stem and midribs of the plant. Nor is it quickly affected by the ordinary insecticides. Mealy bug does not give so much trouble in the palm house ordinarily, though once it secures a foothold on *Cocos Weddelliana* or *Areca lutescens*, there is likely to be a stiff fight before it is eradicated, for this insect is most prolific in a warm and moist atmosphere.

The spring potting of young stock will now be in order, for the root action becomes more rapid as the days lengthen, and firm potting, some care in drainage, and careful and thorough watering, are among the essential details to be observed, for one cannot get these plants to start away with full vigor and rapid growth unless the soil is thoroughly moistened through after potting. The making up of bushy kentias is one of the most popular ways of handling these useful palms, some growers using a tall center plant with three or more small plants around the base, while others simply group three or four plants together in a pot or tub and trust to nature to do the rest. But however they may be grouped, the plants should all be kept at one level as far as the base of the stem is concerned. A palm should never have the stem buried in the soil any lower than is absolutely necessary to hold it firmly in place, for not only does it retard the growth, but there is also some risk of fungus developing and rotting off the stem.

W. H. TAPLIN.

Columbines.

ED. AMERICAN FLORIST:

Please advise as to the best methods of propagating and growing columbines.

California.

G. M. C.

There is no other way to increase *Aquilegias*—apart from an occasional possibility of division of the roots—

than by seeds, which are produced abundantly and, if sown at once, germinate well. If a particular variety is to be perpetuated, the plant must be protected from the bees while in flower, or isolated a distance from others. Columbines too must be regarded somewhat as biennials. It often happens that after flowering freely the plant dies, though nominally of perennial duration. It may be probable that in California, where severe winter stress would not be experienced by the plants, that they will prove of greater longevity. Seeds sown in spring will produce plants that will bloom the following year.

E. O. ORPET.

Growing Asters in Benches.

ED. AMERICAN FLORIST:

Which are the best asters for growing inside on benches? At what time should the tops be pinched out? How many branches should be allowed to grow on for bloom?

J. H. T.

Pennsylvania.

Some of the best varieties of asters for indoor work are: Semple's Branching, Truffant's Prize, the Daybreak type, Vick's Branching, Vick's White King and many others which do well. Pinching should be practiced when the plants have attained seven or eight full leaves. The quantity of branches will depend very much on the variety, but if extra large blooms are required the branches can be limited to six or eight or even less.

C.

Twin City Florists.

Credit for having had the first Florists' Club in the Twin Cities belongs to St. Paul. About twenty-five years ago the Ramsey County Florists and Gardeners' Association held a flower show and made money. For some strange reason, which even the members of the organization cannot explain, the club dissolved. Its dissolution could not have been due to lack of funds, because at the time it disbanded it had a balance of about \$800. Some years after the dissolution of the St. Paul club the Association of Minnesota Florists was organized with E. Nagel (now deceased) as president. This association had members in both cities and for a number of years progressed successfully and accomplished a great deal for the benefit of florists in general. Finally, however, due to lack of interest, it followed the St. Paul club into dissolution.

Upon the completion of the first greenhouse built by the Park Board of Minneapolis in 1907, Theodore Wirth, Superintendent of Parks, tendered an invitation to the florists of the Twin Cities to inspect the new plant and to get acquainted. From this informal meeting there developed in December of the same year the Twin City Florists' Club, which is now a vigorous, healthy organization, growing in numbers and influence every year. The officers elected at the initial meeting were: Theodore Wirth, president; O. J. Olson, St. Paul, vice-president; S. D. Dysinger, St. Paul, secretary; and R. A. Latham, Minneapolis, treasurer.

The monthly meetings of this club held alternately in the two cities were well attended. Exhibits and papers kept the interest high. An annual winter dance and a summer picnic always drew large crowds and were helpful in promoting closer friendship between the florists and their employes. To place the association on a business basis and to give it prestige, articles of incorporation under the Minnesota State Laws were adopted in June, 1908, and the organization given the name of the Minnesota State Florists' Association. Mr. Wirth remained as president until 1911, when he resigned. Hugh Will was elected to succeed him. Mr. Dysinger has been secretary from the beginning with the exception of about one year. Among other achievements the Association has been instrumental in obtaining an increase of \$500 in premiums at the Minnesota State Fair, which is the largest state fair in the country. Last year the premiums for floriculture exhibits amounted to \$1,853.

In 1910 Minneapolis held its first flower show under the auspices of the Minnesota State Florists' Association. The judges pronounced it the best exhibition of its kind they had ever attended, both in regard to exhibits and artistic layout. Pretty landscape effects were a feature, and won the highest praise. Particular credit for the success achieved by the show from a professional standpoint was accorded Mr. Wirth. The show was not a financial success, but it accomplished an important result in the interest it engendered and in the influence it gave for floriculture in the Twin Cities. A second Flower Show was held in November, 1912, in St. Paul. While it made a better showing in a financial way, lack of space made it impossible

to give it the setting that was desired. The present officers of the Minnesota State Florists' Association are: Hugh Will, Minneapolis, president; O. J. Olson, St. Paul, vice-president; S. D. Dysinger, St. Paul, secretary; E. P. Holm, St. Paul, treasurer. Theodore Wirth, C. N. Ruedlinger, Minneapolis, and L. L. May, St. Paul, and LeRoy Cady, St. Anthony Park, form the executive committee. There are 53 members.

In October, 1911, several Minneapolis florists formed the Minneapolis Florists' Club. W. Desmond was elected president and has held that office since. The club is in a prosperous condition. While floriculture receives its first attention, evidence of its strength is found in the fact that it has a good baseball team as well as a bowling team. The club has a publicity committee which is vigorously conducting a propaganda to advance the business of the florist and has succeeded in commanding the interest and the support of the public as no other movement has. Articles of information with regard to flowers and



The Late Philip Einsman.

plants are written and published in the daily newspapers. These articles have been stripped of technical verbiage and have proved interesting to young and old alike.

One of the committee's first acts was the preparation of a general florist advertisement for Mothers' day in May, 1912. On St. Valentine's day the committee collected about \$130 which it expended for advertising with the result that sales of flowers were increased tremendously. The present membership of the club is 52. The officers are: W. D. Desmond, president; R. A. Latham, vice-president; C. F. Rice, secretary; A. E. Rice, treasurer; W. H. Bofferding, C. N. Ruedlinger and Chas. Hauk, executive committee. The Minneapolis club and the St. Paul association are co-operating actively in every effort which has for its object the improvement of conditions in the business they are interested in. Every member of both organizations has experienced substantial results from their propaganda sufficient to justify every step they have taken.

For the purpose of conducting the arrangements for the coming convention of the S. A. F. a special convention association has been formed, embracing all the members of both associations. The conventions and publicity committee of the Civic and Commerce Association has pronounced this organization of florists to be the most complete and most efficient local convention body ever organized in Minneapolis. The details of the convention arrangements have been divided among 14 committees. All these subcommittees have entered into their various tasks with a spirit and enthusiasm that promise good results and a most successful convention. The chairmen of the different committees form the executive committee.

Following are the names of the chairmen of the various subdivisions of the general committee: Executive, Theodore Wirth, chairman; C. F. Rice, secretary; finance, J. S. Mitchell; entertainment, Hugh Will; reception, W. H. Bofferding; information, Gust. Malmquist; souvenir album, J. A. Ridgway; press, J. F. Rice; sports, C. N. Ruedlinger; transportation, J. G. Taylor; hotel and depot, W. S. Desmond; badges and tickets, H. Rosacker; decoration, R. A. Latham; ladies' reception, Mrs. Theo. Wirth; St. Paul reception, O. J. Olson; University, Prof. L. R. Cady.

OBITUARY.

Philip Einsman.

Philip Einsman, a well known florist of Astoria, N. Y., died at his home March 13. Bright's disease was the cause of his death. He had been in poor health for two years but was not confined to his home until about the first of this year. He was 42 years old. Mr. Einsman was born in Germany and came to this country when 18 years old. His first work here was for Wm. H. Siebrecht, now president of the New York Florists' Club, who then, as now, owned a range at Astoria. Later he worked for the firm of Pitcher & Manda, Short Hills, N. J., and also for H. D. Darlington, Flushing, N. Y. Eighteen years ago he started in business for himself at Astoria within a few blocks of the Siebrecht range, and had during these years been successful as a grower, making a specialty of bulbous stock and Easter plants. His cut stock was sold in the New York Cut Flower Exchange, of which he was an active member and officer. A year before he went into business for himself he was married to Miss Mary Fennessy, who with nine children, survives him. In the family are seven boys and two girls, the oldest girl being eighteen, the youngest child two years old. He was a member of the Society of American Florists and of the New York Florists' Club, of which he served as vice-president in 1912. He was also a member of the Astoria Florists' Bowling Club. Philip Einsman was a genial and kindly man and popular with all his acquaintances and business associates. During his long and painful illness he had the sympathy of many friends, which is now extended to his sadly stricken family. A. F. F.

Capt. Henry Augustine.

Captain Henry Augustine of Normal, Ill., for many years president of the Illinois State Horticultural Society was killed March 8 by a train, near Bloomington, Ill. Captain Augustine was 73 years old. He had charge of the fruit exhibit at the Chicago World's Fair in 1893.



W. D. Desmond.
President Minneapolis Florists' Club.



R. A. Latham.
Vice-President Minneapolis Florists' Club.



Chas. J. C. Hauck.
Trustee Minneapolis Florists' Club.



A. S. Rice.
Treasurer Minneapolis Florists' Club.



C. F. Rice.
Secretary Minneapolis Florists' Club.



W. H. Bofferding.
Trustee Minneapolis Florists' Club.



Theodore Wirth.
Superintendent Minneapolis Parks.
PROMINENT IN THE MINNEAPOLIS TRADE.



C. N. Ruedlinger.
Trustee Minneapolis Florists' Club.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 ■
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from those in the trade.

When sending us change of address always send
the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has
accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier
possible), as we go to press Wednesday.

We do not assume any responsibility for the
opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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O wondrous resurrection
Of flower from out the clod,
A censer, chime and chalice
To bear the peace of God!

SCISSOR FIBERS should renew promptly
to insure regular delivery of the pa-
per. The yellow address label on the
paper shows date of expiration.

Our Supplements.

Subscribers should see that they get
copies of the fine supplementary illus-
trations showing high grade design
and decorative work. These fine sup-
plements should be carefully preserved
as they mean much to the retail flor-
ists in dealing with their customers,
illustrating as they do the various
kinds of work that the everyday flor-
ist is called upon to perform.

The papers in which the supple-
ments appear should be likewise pre-
served, as they contain much valu-
able data with regard to these spe-
cial illustrations. Subscribers should
see that they get every issue, as oth-
erwise they may miss some of this
high-grade work.

American Rose Society.

NEW ROSE REGISTERED.

The Florex Gardens, incorporated,
North Wales, Pa., file for registra-
tion the new rose "Mavourneen,"
described as follows: Sport of the
Pink Killarney, very large bud aver-
aging 30 petals; color deep pink, re-
verse side of petal almost as dark as
the inside petal. Very fragrant; good
foliage. This rose has been under ob-
servation several years.

BENJAMIN HAMMOND, Sec'y.
February 28, 1913.

The Easter Parade.

There will be real beauty and the
best embodiments of fashion in the
Easter parade next Sunday. But the
beauty will be that of milliners' mod-
els and the "fashion" will adorn the
wives and daughters of our leading
brewers.

Every year the "parade" becomes
larger—and, frankly, one must say
it becomes more beautiful. But it
will soon be a sort of New Year's
Eve riot. The real people of society
have abandoned it utterly in so far
as the dress display is concerned.
They are part of it only as necessary
(and bleakly gowned) pilgrims to the
Sunday service and back home again.

There is something subtly sad about
the passing of this honored and once
famous institution. But I suppose it
is all for the best. I suppose Sadie
from the Bowery has as much right
to display her dreadful costly finery
on Fifth avenue as the leader of so-
ciety has to display her cheap and
tasteful things. Democracy wins in
the long run and democracy is all
right—if you don't have to meet it
personally.—New York American.

Florists' Telegraph Delivery.

Rocklin & Lehman of Sioux City,
Ia., had the following strange experi-
ence, through which their brother flor-
ists may benefit: Early in December
they sent in an order to the firm of
Dobbie & Co., Edinburgh, Scotland,
stating that they wished to have flow-
ers sent to a certain patron in time
for Christmas. The letter head of
Dobbie & Co. is styled as follows:
"The Seedsmen & Florists." Sometime
later Rocklin & Lehman received the
following letter:

"Gentlemen:

"We duly received your letter with
enclosure. We are sorry that we do
not grow cut flowers for sale, and have
none to supply at the present time.

"We have sent the letter to Mrs.
—— and advised her accordingly.

"Regretting we are unable to be of
service to you on this occasion, we are

"Yours faithfully,
"DOBBIE & Co."

Investigation by the Florists' Tele-
graph Delivery revealed the fact that
it is a common thing for foreign firms
to style themselves florists, even though
they only grow a few garden flowers
in season. It is well for the American
firms to be sure that the European
brethren are prepared to furnish flow-
ers at this season of the year.

Chas. Dards of New York has vol-
unteered to advertise the Florists' Tele-
graph Delivery in the International
Flower Show program. A. Pochelon,
secretary, thought very highly of the
results which might be obtained when
approached for an advertisement, and
is more than pleased with the enter-
prising spirit shown by Mr. Dards,

who is generally found to be a leader
in such matters.

The most instructive paper rendered
by Wallace Pearson recently on "The
Florist and His Market" is certainly
interesting reading for members of the
Florists' Telegraph Delivery. There is
much in it which ought to be profit-
ably adopted by an organization of re-
tailers for the general furtherance of
the flower business. The paper is
ahead of the times in thought and
gives the many retailers an inspira-
tion for making greater strides in the
future.

IRWIN BERTERMANN,
President.

Third International Flower Show.

GRAND CENTRAL PALACE, NEW YORK.

The following is the list of jurors
appointed to pass on the exhibits at
the show:

H. A. Bunyard, N. York, Chairman.
Ballentyne, R. E., Canandaigua, N. Y.
Breitmeyer, Philip, Detroit, Mich.
Brown, H., Richmond, Va.
Buettnier, Emil, Park Ridge, Ill.
Burk, Louis, Philadelphia, Pa.
Butterbach, Nicholas, Oceanic, N. J.
Cameron, Robert, Kingsbridge, Mass.
Cartledge, A. B., Philadelphia, Pa.
Clucas, R. W., Sparkill, N. Y.
Cooke, Geo. H., Washington, D. C.
Cotter, Lawrence, Jamestown, N. Y.
Cowell, J. B., Buffalo, N. Y.
Craig, W. N., North Easton, Mass.
De Graaff, H. W., Leiden, Holland.
Dunlop, J. H., Toronto, Canada.
Eccles, Wm., Oyster Bay, N. Y.
Engelmann, Carl, Saffron, England.
Eyles, Harry, Albany, N. Y.
Falconer, Wm., Pittsburg, Pa.
Felton, R. F., London, England.
Finlayson, Duncan, Brookline, Mass.
Fisher, Peter, Ellis, Mass.
Graham, Robert, Baltimore, Md.
Gude, Wm. F., Washington, D. C.
Herrington, Arthur, Madison, N. J.
Hertrich, Wm., San Gabriel, Calif.
Hess, J. J., Omaha, Neb.
Huss, J. F., Hartford, Conn.
Keller, Michael, Rochester, N. Y.
Knight, Chas., New York, N. Y.
Koenig, Otto, St. Louis, Mo.
Kruijff, —, Holland.
Loveless, A. J., Lenox, Mass.
Low, Stewart, H., London, England.
McWilliams, G., Whitinsville, Mass.
Meinhardt, Fred, St. Louis, Mo.
Miekle, A., Newport, R. I.
Moore, Geo. T., St. Louis, Mo.
Murray, Samuel, Kansas City, Mo.
Ogston, Colin B., Rochester, N. Y.
Papworth, Harry, New Orleans, La.
Philpott, H., Winnipeg, Canada.
Plumb, Chas. A., Detroit, Mich.
Reagan, Edw., Morristown, N. J.
Robinson, Geo. A., Montreal, Can.
Rock, Wm. I., Kansas City, Mo.
Sandiford, Chas., Buffalo, N. Y.
Smith, A. J., Lake Geneva, Wis.
Turner, Harry, Yonkers, N. Y.
Turner, Wm., Oceanic, N. J.
Waterer, F. G., Bagshot, England.
Wells, W. W., Merstham, Eng.
Wilson, E. H., Boston, Mass.
Wilson, J. S., Des Moines, Ia.
Wingett, A. H., Lenox, Mass.
Wirth, Theodore, Minneapolis, Minn.

These do not include the special
judges for the Rose, Carnation and
Sweet Pea Societies.

Intending exhibitors should bear in
mind that all entries in the general
section must be in the hands of the
secretary, John Young, 54 West Twen-
ty-eighth street, New York, not later
than March 30. Entries in the sec-
tions of the Rose, Carnation, Sweet
Pea and Gladiolus societies must be
in the hands of the different secre-
taries on the dates set forth in the
prize schedule.

J. H. PEPPER,
Chairman Publicity Committee.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By experienced Seedsman. Good counter man. For further particulars, address. Key 791, care American Florist Co.

Situation Wanted—Position as traveling salesman for seeds, bulbs, plants or florists' supplies. Address Key 786, care American Florist.

Situation Wanted—As Florist and gardener; well up in Carnation and Chrysanthemum growing. Single man; good references. Key 806, care American Florist Co.

Situation Wanted—As florist and gardener in private place; Hollander; 10 years in this country; married; no children; life experience; can furnish the best of references. Address Key 801, care American Florist.

Situation Wanted—Head gardener, Englishman, age 40, married, without family. Life experience in all branches, including Orchids, Roses, Carnations, Mums, Early Forcing, fruit and vegetables, etc. Good references. E. RICHMOND, Elma Center, N. Y.

Situation Wanted—On commercial or private place by an all arc and man with 20 years of practical experience in this country and Europe; single, 35 years of age. Can furnish the best of recommendations from leading firms. Pot plants, roses, carnations and landscape gardening a specialty. State salary when writing. GEORGE BAKAITIS, 5433 North Seelye av., Chicago

Situation Wanted As head gardener or superintendent. Good grower of cut flowers, potted plants, indoors and out doors; vegetables and fruits. Good experience in lawn and park work; understand management of private place, park, cemetery, or institution. Am 30 years of age, married, no children. Have been in the gardening and florist business for 15 years. Can furnish best references to party requiring such a man. Address, Key 799, care American Florist.

Help Wanted—Two experienced salesladies. Apply W. W. BARNARD Co., 233 W. Madison St., Chicago, Ill.

Help Wanted—Florist and gardener for public park; must be competent for in and outside work; state experience and wages wanted. SUPT. OF PARKS, Davenport, Iowa.

Help Wanted—A bookkeeper who has had experience in bookkeeping in a florist's store. Address A. F. F., care American Florist, 124 East 24th Street, New York.

Help Wanted—Florist and gardener, competent to take charge of greenhouse, garden and grounds at State Institution. Address SUPERINTENDENT, State Public School, Owatonna, Minn.

Help Wanted—Honest young lady with some experience to take care of floral establishment in Chicago. Very good chance for advancement, with good salary. Key 805, care American Florist.

For Sale—Well located retail store, centrally located, doing good business for over five years. This is a rare opportunity, price very reasonable; going south object of selling. Key 804, care American Florist.

For Sale or Lease—5 greenhouses at Madison, N. J., 1 mile from station. 4½ acres of land, 9-room dwelling, up-to-date, cheap, and low rent to prospective buyer. Address, R. S., 265 Rosedale Ave., Madison, N. J.

For Lease In Boston, Mass.; greenhouse in operation; new boiler; outside ground. Three room cottage included if desired. Cheap to a desirable tenant or might rent on shares. Owner has other business. Address Key 807, care American Florist.

For Sale—Two acres with 25,000 square feet of glass; up-to-date improvements, cement benches; fine dwelling house and barn; nice orchard. Everything in first-class condition. 10 minutes from R. R. and C. L. BEN. VOLLMAN, 430 Ridge Ave., Wilmette, Ill.

For Sale—A good paying Florist Business in a Michigan city of 14,000 will be sold now or June 15th at a bargain; small house and store connected to 4,000 feet of glass right in business center of city. Will stand closest investigation. Come and investigate. First-class trade. Owner will retire. Established 25 years and in good repair. JACOB SCHNEIDER, Florist, Manistee, Mich.

For Sale—At a sacrifice, for cash; about 2000 feet of glass, stocked with carnations, chrysanthemums, bedding stock and small flowers. A fine proposition to one that thoroughly understands the business. Large retail trade and all the wholesale you can handle. Four acres of land; on car line on the main street of city of 20,000. For particulars address R. S. ELWOOD, Receiver, Albuquerque, N. M.

Wanted An experienced gardener, to lease 38 acres. House or board. Coal cheap and handy for greenhouse. Street cars stop at door. Paved road. Best of markets. Address MARY E. JONES, Finleyville, Pa., R. D. 2.

Wanted: Gardener and house-man. Experienced in care of greenhouse. North Shore Chicago Suburb. Wife must be good laundress. All year position. Good opportunity for couple without children. References required. Address, Key 802, care American Florist.

Help Wanted

Expert Orchid Grower by the Beechwood Heights Nurseries at Bound Brook, N. Y., to take charge of their Orchid department. Only a strictly competent man required. Good salary to right party. Apply by mail to,

THOMAS YOUNG, Jr.,
500 Fifth Ave., N. Y. CITY.

WANTED Rose and Carnation Grower

BASSETT & WASHBURN,
131 N. Wabash Ave., CHICAGO ILL.

WANTED
HEAD GARDENER (unmarried) for private country place. No greenhouse. Good position for a first-class man. Permanent. References required. State wages. Address, S. K.,
622 Fidelity Building, Buffalo, N. Y.

Situation Wanted

Good Carnation Grower capable of taking charge. For further particulars, Address, Key 796, care American Florist.

PLANT GROWER WANTED

Advertiser wants competent grower of general line of pot plant stock for store trade. This place is located in the south and good wages will be paid to the right man. State age and experience.

Address, Key 798, care American Florist.

Assistant Gardener Wanted

for public institution. Young single man as 2nd assistant gardener. Must be sober, honest and industrious; at least 2 years experience necessary; general greenhouse work; \$30 per month with board and room. 30 days' leave of absence with pay during year. Hours, 7 a. m. to 4:30 p. m.; duty every other Sunday. No firing, repairing, etc.

Address, Key 797, care American Florist.

Location Wanted

Grower wants location in or near Chicago for greenhouse establishment, not more than 25 miles out. Established place will be considered if it affords opportunity for expansion with right facilities. Address with full particulars,

Key 803, care American Florist.

OFFICIAL S. A. F. Shipping Labels



Actual size of leaf 2¾ x 5¼ inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.
440 Dearborn St., CHICAGO.

IF your Spring Stock is right, advertise it now. There is much inquiry as to who can fill the orders this early season and the early advertisement gets there.

Pittsburg.

MARKET OVERCROWDED.

The local market is still overcrowded with stock of nearly all kinds. Carnations are not over-plentiful, but the rose market has been poor all week. The fakers are seen every day with a lot of them, and naturally this cuts the prices down to the retailers. Business is poor in general, and everybody is cleaning up and making preparations for the big rush for Easter. The plant men are about the only ones that are rushing just now, and the advance shows in the windows around town surely are attractive. Sweet peas and violets are still the jokes of the wholesale markets and always take a back seat with the buyers. Some candidum lilies have appeared and do not take very well. Some fine single violets have appeared also. The lilies which are arriving are anything but good, but the growers report that they will be much better for Easter. We hear, though, that sweet peas will be a little scarcer than usual. Carnations will be here in quantities enough to supply all. We expect some nice mild weather for Easter, which will be quite the opposite from last year, when extra precautions had to be taken to insure the stock against freezing. We had quite a sleet storm Sunday, but it has all passed over and the thermometer shows a temperature of about 50°. The gardenia market is very poor and these flowers are being offered at very low prices, but nevertheless they do not seem to move. We are hoping and think that Easter will clean up quite a lot of them. The white lilac crop is also poor and before long it will be out of sight altogether.

NOTES.

T. M. Fitzgerald, the Beaver florist, had a very fine showing of Easter plants at his greenhouses last Sunday. He had a fine lot of carnations, lilies and tulips on exhibition and the show was the talk of the town. Mr. Fitzgerald has five good-sized houses, all equipped with concrete benches. He thinks well of the carnation Princess and is growing it extensively.

E. G. Hill of Richmond, Ind., was in town last Wednesday. He brought along a sample of his new red carnation Commodore, which is a seedling from Beacon and Victory. It was much admired here.

The Lamborn Floral Co., Alliance, O., is cutting much heavier on roses and their stock is excellent. The White Killarneys are sold at sight. The McCallum Co. are Pittsburg agents for their stock.

The green carnation for St. Patrick's day did not take so well as in other years. Many of the florists were overexpectant of sales on this flower and came out at the short end.

Miss Jane McDowell and Miss Agnes Wells of Steubenville, O., were in Pittsburg buying Easter stock Wednesday.

Chas. Puhlman, the Carnegie florist, is passing out the cigars. It is his first and a boy. We congratulate him.

Fred Reigelmeir reports business as being very satisfactory for his first week in the Carson Street store.

Nick Harris of Harris Bros., is a happy man at present. A boy arrived Sunday. Congratulations.

H. C. Frew of Rochester contemplates moving to a new location in Rochester in the near future.

A large fire on Federal street, Northside, gave the seed store of W. C. Beckert a scarce recently.

A report comes from Clearfield that Wm. Blacker, leading florist of that town, has dropped dead.

Crall's Flower Shop of Monessen, Pa., reports business as being exceedingly good of late.

Geo. Wehrheim, who is now a father, reports the new arrival, a boy, in the best of health.

Visitors: I. J. Dowdell with T. M. Fitzgerald, Beaver, Pa.; S. T. Sheaffer, of Indiana, Pa.; Jos. Thomas, Greensburg, Pa.; Geo. Huscroft, Greensburg, Pa.

Next week the A. W. Smith Co. will roll the Randolph-McClements, and the McCallum Co. will roll the Pittsburgh Cut Flower Co. Following are the scores of the two games played on the club alleys last Thursday night.

A. W. Smith Co.				McCallum Co.			
Garvin	77	79	71	Sisley	90	80	83
Feln	90	105	85	McF'l'd	78	109	92
Tipton	94	110	90	G.M.C'll'm	78	96	97
King	69	77	44	Spitzner	80	93	78
Demme	77	83	75				
	407	454	385		406	482	456
Total, 1226.				Total, 1344.			
Pgh Cut Flower Co.				Randolph-McClements.			
Gottl	103	91	95	Byerly	78	84	90
L'ng'h's	70	72	104	McCl'm's	84	80	92
Marshall	91	96	81	Greeny	93	101	70
Gerwig	90	117	115	Mankey	68	74	71
Colligan	106	101	100	Steiner	84	89	102
	460	477	495		407	428	425
Total, 1432.				Total, 1260.			
				Niggel	80	104	106
							J.

Minnesota Florists' Association.

The regular monthly meeting of the Minnesota State Florists' Association was held at Holm & Olson's store, St. Paul, Tuesday evening, March 11. President Will called the meeting to order at 8:45. Twenty-eight were present. O. J. Olson of the dance committee, reported that several halls were available, but that in the opinion of the committee, the Junior Pioneer hall was the best suited and he mentioned several open dates that could be had during April. Remarks in regard to the dance, were made by C. F. Vogt, W. D. Desmond and N. C. Hansen. The general opinion was that the dance should be held shortly after Easter. It was moved and carried that the committee be given full power to make all arrangements for the party to be given April 17.

The secretary read a communication from J. C. Nelson, president of the Men's Garden Club, St. Paul, asking that a committee of fifteen be appointed to attend the mass meeting to be held at the St. Paul Auditorium, March 29. It was moved and carried that the St. Paul members of the association be requested to attend the meeting in a body and that the secretary so instruct the president of the Men's Garden Club. The secretary repeated a telephone communication from Gust Malmquist, relative to meeting — Bailey of the State Fair board at Holm & Olson's store, March 15, to confer regarding exhibits at the coming State Fair. The president appointed a committee, consisting of Gust Malmquist, O. J. Olson, Theo. Wirth, John Monson and Max Kaiser, to meet with Mr. Bailey.

The following applications for membership were read: Phillip Lunkenhaimer, 261 West Third street, St. Paul; Frank McCabe, A. L. Randall Co., Chicago; Chas. G. Nordine, Jewell Nursery Co., Lake City, Minn.; Chris. Bussjaeger, 533 Dale street, St. Paul; Chas. Houck, Lakewood Cemetery Greenhouses, Minneapolis; Wm. Clinkaberry, Minneapolis; A. Miller, A. Henderson & Co., Chicago and D. L. MacIntosh, 1251 Seminary avenue, St. Paul. Upon motion, the by-laws were suspended and the above applicants were accepted as members. The president appointed Louis Vogel, Wm. Desmond and A. J. Smith, judges of the exhibits. The report of the judges was as follows: Cut mignonette, exhibited by Holm & Olson, 93 points; tulips, Prince of Austria, exhibited by Holm & Olson, 86 points; carnations, Princess Charming, exhibited by C. G. Nordine of the Jewell Nursery Co.,

Lake City, Minn., 71 points; Tausendschon rose plant, 72 points and Baby Rambler rose plant scored 67 points, both exhibited by Holm & Olson. C. G. Nordine gave a short talk on the carnation which he exhibited. A vote of thanks was extended the exhibitors. It was moved and carried that the association endorse Gus. Malmquist for the position of superintendent of floriculture at the State Fair.

Theo. Wirth addressed the meeting relative to the S. A. F. convention, outlining the work that had been done, the plants that had been decided upon by the executive committee and asked for the co-operation and assistance of florists of the state. L. H. Nordine of Minneapolis, gave a very instructive talk on "Greenhouse Heating." His talk was re-enforced with lantern slides of charts, showing fuel records and boiler construction. A standing vote of thanks was extended Mr. Nordine and the secretary was instructed to call upon him some time during the fall or winter for another talk along the same lines. The meeting adjourned to meet at the Park Greenhouses, Minneapolis, the third Tuesday in April. S. A. J.

Cleveland.

STOCK MORE PLENTIFUL.

The recent spring-like weather has forced everything in cut flowers and plants. Bulbous stock in particular has been more plentiful than ever. Carnations, too, are arriving in large quantities, and prices in large lots have been much lower. Short-stemmed and smaller flowers for general work have sold for mid-summer prices. Roses are more plentiful and will be from now on, with the exception of American Beauties. Sweet peas are in good demand and the supply is good. Stock generally is of first class quality. Lily of the valley is in large supply and much in demand. Asparagus has been a little short of the demand. String smilax will be plentiful for the church holidays. Easter lilies in pots seem a little scarce, but cut lilies promise to be in good supply. Pansies, stocks, calandulas, freesias, snapdragon, mignonette, etc., are part of the daily stock. Boxwood is in good demand. Southern smilax and prepared beach sprays are being used freely in store decorations. Orders for sheet or log moss and wire hanging baskets are coming in early.

NOTES.

Harry Jones, of the Jones-Russell Co., had a narrow escape from death Thursday night, March 11, when an auto struck him and a Mrs. Geo. W. Collister as they were alighting from a car. Mrs. Collister was killed instantly and Mr. Jones was seriously bruised and cut. At last accounts he is much improved.

Social night at the Florists' Club rooms Monday evening, March 10, was a grand success. Lunch and music were enjoyed by all present. The committee on boiler operators' licenses made its final report.

Sauers, who formerly managed the Lorain street store of Wilhelm Bros., has bought the place and will continue the business under his own name.

Congratulations are the order at F. W. Griffin's store. Mrs. Griffin presented him with a fine baby girl Saturday evening, March 8. C. F. B.

IONIA, MICH.—The second annual banquet of the Ionia Horticultural Society was held here March 4.

NORMAL, ILL.—The Illinois Horticultural Society has issued its first quarterly bulletin, a 20-page paper, with several valuable horticultural articles included in the contents.

WE HOPE YOUR EASTER TRADE IS THE BEST EVER. OURS HAS BEEN.

M. RICE CO., Philadelphia, Pa.

GOLDFISH



**"Something
Alive in the
Window"**

Catches
the public eye.

Order your
supply now.
**\$3.00 per 100
and up.**

Write for catalog

AUBURNDALE GOLDFISH CO.
920 W. Randolph Street, CHICAGO

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

Spring Vacation Trips

Personally conducted, May 21, June 4,
11, 18 and 25, on the Mississippi, Ohio
and Tennessee rivers; from Chicago via
St. Louis, 1910 miles for \$29.00, includ-
ing meals and berth on steamer. Six-
teenth year. Write or call for circulars.

Wabash Office,

68 West Adams St., Chicago.

We are now filling orders for

Southern Wild Smilax

Price, \$3.00 per case

E. A. BEAVEN, Evergreen, Ala.

Mention the American Florist when writing

FT. WAYNE, IND.—The Indiana State
Florists' Association met here March
4. After the meeting, at which W. J.
Vesey, Jr., read a paper on "Publicity,"
the members visited the Vesey green-
houses. A banquet was served in the
Anthony hotel.

FT. DODGE, IA.—C. De Mester, fore-
man at the North Floral Co.'s green-
houses, and W. M. Colwell have formed
a partnership, known as the Park
Floral Co. Work will begin on the
new greenhouses as soon as weather
conditions permit. This is the third
cut flower concern here.

MEDFORD, MASS.—The Medford Horti-
cultural Society has been organized
here and a membership of several hun-
dred in the near future is predicted.
The officers are: Charles M. Hayden,
president; Mrs. Lester H. Williams and
J. W. Rockwell, vice-presidents; Miss
Kate M. Buss, secretary; Vernon H.
Hall, treasurer.

Do Not Take Any Fake Green Thread. Use the
Genuine Silkline and Get More Thread
and Less Wood.



JOHN C. MEYER THREAD CO.,

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes

The MEYER Green

SILKALINE

Used by Retail Florists for mossing funeral
designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it
will not fade or rot in the greenhouse. The Meyer
Silkline was the first green thread to be introduced
among Florists and Growers. It is handled by the
best houses everywhere, but it should be ordered by
name—Meyer's Silkline—to be sure of getting the
genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the
manufacturers. Price for any size or color, \$1.25 per
lb. Sizes "F" fine, "FF" medium, and "FFF" coarse

Lowell Thread Mills, Lowell, Mass.
1495 Middlesex St.,

FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Box 3 ood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

SPHAGNUM MOSS

"The Jersey" kind; Burlapped; selected
stock. Ten Barrel Bales, 1 bale, \$3.80; 5
bales, \$3.60 ea.; 10 bales, \$3.40 ea.; 25 bales,
\$3.20 each. 5% off cash with order.

LIVE SPHAGNUM, \$1.25 per bale.
ROTTED PEAT, 60c each.

E DEAL J. H. SPRAGUE Barnegat, N. J.

Nothing Can Improve on Nature

1886 1913

Southern Wild Smilax in limited quantities,
in the standard sixteen cubic foot cases,
\$3.00 per case.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN, ALABAMA.

CUT FERNS, Best Quality

1,000 at \$1.50;
2,000 at \$2.60;
5,000 or over \$1.20 per 1000
DISCOUNT ON LARGE ORDERS!

Robert Groves, 127 Commercial St.
ADAMS, MASS.

H. BAYERSDORFER & CO.



**Florists'
Supplies.**

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

The Best Color Chart

**For Florists, Seedsmen
and Nurserymen.**

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies
left of the comparative color plate
compiled by F. Schuyler Matthews,
I shall be obliged if you will send
me one, my copy having somehow
got mislaid and I do not like to be
without this excellent little pro-
duction.

Yours truly, ERNST BENARY.
Published and For Sale by the

American Florist Co., 440 S. Dearborn St.
CHICAGO
PRICE, ONE DOLLAR, POSTPAID.

SEND TEN CENTS

FOR A SAMPLE OF THE
Ever-Ready Flower-Pot Cover.



Strong cardboard foun-
dation. Best waterproof
crepe paper, silk fibre rib-
bon-ties at top and bot-
tom. Firmly held with
improved metal fasten-
ings. Furnished in four
colors and made in many
sizes. An Ever-Ready
Flower Pot Cover around
the old clay pot will in-
crease the value of the
plant considerably and
add to your profits. Send
10c for a sample today.

Manufactured by the

EVER-READY FLOWER-POT COVER CO.

WM. H. GREVER, Manager
146 Hughes Avenue BUFFALO, N. Y.

BEAUTIES NOW COMING IN CROP

NOTE REDUCTION IN PRICES

Our roses are all carefully sorted and packed and cut especially for the shipping trade. Buy your flowers direct from a large grower. You get a more even run of stock and much fresher cut. We send our stock from the greenhouses three and four times per day.

CARNATIONS IN LARGE SUPPLY

Fancy Red, Pink and White, per 100, \$3.00. Medium stems, Pink and White, per 100, \$2.00. Shorts and splits for funeral work, \$1.00 per 100.

CURRENT PRICE LIST. Subject to change in market.

American Beauties

	Per doz.
Specials, extra long stems.....	\$5 00 to \$6 00
36-inch stems.....	4 00
30-inch stems.....	3 00
20-inch stems.....	2 00
Shorter stems.....	50c to 1 00

Carnations

	Per 100
Fancy Pink, White and red.....	\$3 00
Medium Pink and White.....	2 00
Short and splits, white and pink for funeral work.....	1 00

Richmond, White and Pink

Killarneys

	Per 100
Extra select.....	\$8 00 to \$10 00
Medium.....	6 00
Short.....	3 00 to 4 00

Rhea Reid and Ward

	Per 100
Select.....	\$10.00 to \$12.00
Short and Medium.....	4.00 to 8.00

Miscellaneous

	Per 100
Harrisii Lilies, per doz.....	\$1 25 to \$8 00
Jonquils [Single and Double].....	\$2 00 to 3 00
Lily of the Valley.....	3 00 to 4 00
Tulips, all colors.....	2 00 to \$3 00
Tulips, double.....	3 00 to 4 00
Sweet Peas.....	50 to 1 00
Asparagus Sprays.....	3 00 to 4 00
Sprengeri.....	2 00 to 3 00
Ferns, per 1000.....	2 50
Smilax, per doz.....	1 50 to 2 00
Adiantum.....	1 00
Galax, bronze, per 1000.....	1 00

BASSETT & WASHBURN

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.

LONG DISTANCE PHONE, CENTRAL 1457.

Chicago.

TRADE BETTER.

There has been a slight improvement in trade since the last writing but the week's business on the whole has been rather disappointing. The St. Patrick's day trade did not amount to very much and the wearing of the green as far as carnations is concerned seems to be a thing of the past. The Easter orders however are arriving in every mail and trade on this day promises to be very brisk. The demand for lilies, both cut blooms and plants, is very large and a shortage in these is expected. Nearly all the local growers have already disposed of their plants and are obliged to refuse orders which are continually arriving. A shortage is also looked for in American Beauty roses for the supply at present is far too short, and the orders that have already been booked will easily clean up the cut. Richmond roses are in better supply but are having a good call and it would not be at all surprising if there was a shortage in this line also. Rhea Reid and Radiance are in good supply and Killarney and White Killarney are very plentiful. Prince de Bulgarie, Mrs. Aaron Ward and Sunburst, Killarney Queen and Lady Hillingdon are arriving in fine condition and are in brisk demand. My Maryland and Bride are among the offerings in roses and a few Mrs. Jardine are to be had. Carnations are very plentiful yet, with a large number of splits still arriving. Lily of the valley is in good supply. Orchids are none too plentiful and have advanced a little in price. Gardenias are in larger supply but the home-grown stock is quickly disposed of. Sweet peas are not so plentiful as they have been and there is a shortage of white. Violets are in oversupply and bulbous stock of all kinds is plentiful. South-

ern jonquils are now arriving in quantity. Ferns are plentiful but the supply of smilax, asparagus and wild smilax has shortened up considerably within the past few days. The wholesale plantmen report an unusually brisk season and are pretty well sold out on blooming stock for Easter. With lily plants and other Easter blooming stock all sold there ought to be a good demand for cut flowers of all kinds.

NOTES.

The Williams Flower Shop, a new store, opened for business in an old location this week at 102 South Wabash avenue, with Fred Strail, the well known local expert designer in charge. This corner, Monroe street and Wabash avenue, has been long known as a flower centre, for the late Jim Farrell opened his first store here over 40 years ago. The Farrell store later passed into the hands of Mike Gallagher and later to John C. Schubert. John Mangel, the Palmer House Florist, also had the store for a long time but gave up his lease when the building was torn down to make room for a modern establishment. The new store is the property of Mrs. Frank Williams who is also proprietor of the Atlas Floral Co.'s store on East Randolph street. The store although located in the basement of the new building, is one of the finest equipped retail establishments in the city. All the fixtures, including the ice-box, which is itself a beauty, are made of Circassian walnut with the marble top effects throughout. A large number of people in the trade visited the store on March 15, the day of the grand opening and were greatly surprised when they entered to find such a beautiful store.

Wm. H. Kidwell nearly captured a robber this week, but —? To start with the beginning, it happened this way:

Just as he was leaving the store one night he saw a robber snatch a purse from an acquaintance of his and immediately gave chase which ended in a vacant lot a few blocks from the scene. Just as Mr. Kidwell was ready to seize the thief he pulled out a revolver and kindly asked him to go about his business. Of course, Mr. Kidwell, after much thought decided it was the best course to pursue for he felt that it would be folly to play the "Old King Brady" act when his services were so badly needed at the store during the Easter rush. His friends are congratulating him over his narrow escape and jokingly tell one another that they are mighty glad that such a fine fellow as "Billy" decided not to pass in his checks over such a small theft as a purse. Chas. Drissler, one of Wietor Bros' popular young store men, is responsible for this item so if Mr. Kidwell has any kick coming—he can settle with that young man in particular.

Poehlmann Bros. Co. is practically sold out of everything in blooming plants for Easter and judging from the orders that are now coming in at the store it would not be at all surprising if the cut flower department would again break all records. The demand for this firm's lilies this year, especially pot plants, was exceptionally large and one order alone from a large western retail florist called for nearly a carload of stock. C. G. Anderson, foreman of the plant department, expects to have the men busy potting cyclamen seedlings before the week is over.

Frank Hall, Jr., who has been employed in Poehlmann Bros. Co.'s supply department was taken suddenly ill the first part of last week with scarlet fever and died on March 13. The young man was 19 years of age and was a newcomer in the trade, hav-

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

We will have A LARGE CONTINUOUS SUPPLY OF ROSES Lily of the Valley and Orchids

Best quality flowers for weddings, corsage bouquets and other choice decorating work.

Price List in Effect March 24th, 1913

All our quotations are subject to market fluctuations, changes without notice, and our confirmation.

AMERICAN BEAUTIES		Per Doz.	LADY HILLINGDON.		Per 100	CARNATIONS—		Per 100
Specials	.....	\$6.00	Specials	.....	\$12.00	Firsts	.....	\$3.00 to \$4.00
36-inch	.....	5.00	Long	.....	10.00	Seconds	.....	2.00
30-inch	.....	4.00	Medium	.....	8.00	Thirds	.....	1.50
24-inch	.....	3.00	Short	.....	\$4.00 to 6.00	ORCHIDS, Cattleyas	per doz.,	6.00 to \$7.50
20-inch	.....	2.00	RICHMOND.		Per 100	JONQUILS	.....	3.00
15-inch	.....	1.50	Specials	.....	\$10.00	DAFFODILS	.....	3.00
12-inch	.....	1.00	Long	.....	8.00	LILIES	.....	12.50
Short stem	.....	Per 100, 6.00	Medium	.....	6.00	SPIREAS, Cut	.....	4.00
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.		Per 100	Short	.....	4.00 to 6.00	TULIPS, double	.....	4.00 to 5.00
Specials	.....	\$12.00	KILLARNEY.		Per 100	TULIPS, single	.....	3.00 to 4.00
Long	.....	10.00	Specials	.....	\$10.00	VALLEY	.....	3.00 to \$4.00
Medium	.....	8.00	Long	.....	8.00	VIOLETS, Single Princess of Wales	.....	1.00
Short	.....	4.00 to 6.00	Medium	.....	6.00	VIOLETS, Fragrant Home Grown	.....	1.00
MRS. AARON WARD.			Short	.....	4.00	SWEET PEAS, fancy	.....	1.00 to 1.50
Specials	.....	\$12.00	KILLARNEY QUEEN		Per 100	ADIANTUM CROWEANUM	.....	1.00
Long	.....	10.00	Specials	.....	\$12.00	SMILAX	Per doz.	2.50
Medium	.....	8.00	Long	.....	10.00	SPRENGERI	.....	2.00 to 4.00
Short	.....	4.00 to 6.00	Medium	.....	8.00	PLUMOSUS SPRAYS	.....	3.00 to 4.00
MELODY, specials		\$12.00	Short	.....	4.00 to 6.00	PLUMOSUS STRINGS	.....	each .60
Long	.....	10.00	WHITE KILLARNEY.		Per 100	FERNS	per 1,000	2.50
Medium	.....	8.00	Specials	.....	\$10.00	GALAX	per 1,000	1.25
Short	.....	4.00 to 6.00	Long	.....	8.00	LEUCOTHOE	per 100	.75
			Medium	.....	6.00	BOXWOOD, bunch, 25c; 50-lb. case,		7.50
			Short	.....	4.00			

ing recently joined the force of Poehlmann Bros. Co. The remains were taken to Mount Clemens, Mich., where his parents reside, on the following Saturday, March 15.

Tim Matchen and Emil Reichling, Peter Reinberg's storeman and foreman, and a few of the greenhouse employees visited Bassett & Washburn's new range and were favorably impressed with the way stock is grown by the B. & W. firm. The visitors were caught in the snow storm between the new range and Hinsdale and were pretty well tired out by the time they reached the station.

E. W. McLellan, of the E. W. McLellan Co., San Francisco, Calif., has just returned from a trip to the principal cities in the east and will spend a few days here before returning home. His firm expects to build a new range consisting of about 150,000 to 200,000 feet of glass in the near future and his visit here is mainly to look over the various plants in this vicinity.

Kyle & Foerster are having their share of business and the Easter trade at this house promises to be very good. Frank Bentley, one of the oldest florists in this city, is still on the job at this store and although he is 63 years old, he can make the younger men hustle some when it comes right down to real work.

Chas. Erne had the misfortune of spraining his left foot when he fell from the balcony of Erne & Klingel's store last week and for a time was obliged to hobble around on crutches. He is on the job however as usual, for the Easter trade is too brisk for Fred Klingel to handle alone.

Bassett & Washburn are coming in crop with American Beauty roses and the flowers that are now seen at their store are of fine quality. This firm is having a very brisk Easter trade and the demand for stock in certain lines



SATISFIED CUSTOMERS

Tell us that our baskets are the best obtainable. Send for a \$5.00, \$10.00 or \$25.00 assortment and we will bill you at factory prices. DO IT NOW.

RAEDLEIN BASKET COMPANY

713-717 Milwaukee Ave., Chicago

O. R. ECKHARDT CO.

Wholesalers of Cut Flowers
and Florists' Supplies

St. Paul, Minn.

has been so large, that a number of orders have been refused.

John Kruchten has had an unusually brisk demand for lily plants all this week and experienced no trouble whatever in disposing of his grower's stock. Blooms however, are plentiful at this house, but even these will, no doubt, be well cleaned up before the rush is over.

Chas. W. McKellar is receiving regular shipments of bulbous stock from the Hulbert Bulb Co. of Portsmouth, Va. Mr. McKellar's store was quite crowded at times last week when H. Roth, of Lafayette, Ind., exhibited a new red seedling carnation of enormous size.

It is rumored that Wm. Weil and Geo. Walter, both West Sixty-third

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

BEAUTIES--ROSES--CARNATIONS

EASTER PRICE LIST:

Buy from us and get the best stock in the market at the most reasonable prices. All late orders will be filled in full.

American Beauties.

Per Dozen	Per Dozen
60-in. stems.....\$6 00	24-in. stems.....\$2 50
48-in. stems.....5 00	20-in. stems.....2 00
36-in. stems.....4 00	16-in. stems.....1 50
30-in. stems.....3 00	Short stems.....1 00

Killarney.

Per 100	Per 100
Extra special.....\$10.00	Medium.....\$ 6.00
Selects.....8.00	Good.....5.00
Fancy.....7.00	Short stems.....4.00

My Maryland

	Per 100
Fancy.....	\$12.00
Good.....	8.00
Short.....	6.00

Sunburst

	Per 100
Fancy.....	\$12.00
Good.....	8.00
Short.....	6.00

Roses, our selection - - - \$4.00

Carnations Extra Special Red, Enchantress, Pink and White, \$5.00 per 100.

Richmond

	Per 100
Extra specials.....	\$12.00
Selects.....	10.00
Fancy.....	8.00
Medium.....	7.00
Good.....	6.00
Short stems.....	5.00

White Killarney

	Per 100
Extra specials.....	\$10.00
Selects.....	8.00
Fancy.....	7.00
Medium.....	6.00
Good.....	5.00
Short stems.....	4.00

Carnations Good Red, Enchantress, Pink and White, \$4.00 per 100.

Our Carnations were never better—finest in Chicago Market.

FERNs, per 1000.....	\$2.50
SMILAX, per doz.....	\$1.50 to 2.00
ADIANTUM, per 100.....	1.00 to 1.50
GALAX, per 1000.....	1.00
SPRENGER, per bunch.....	.50
ASPARAGUS SPRAYS, per bunch.....	.50
LILIES.....per 100, \$12.00 to 15.00	

ROSES, our selection, \$4.00 per 100

street florists, will be obliged to seek new quarters in the near future, for the stores they now occupy will be torn down to make room for new apartment buildings.

Peter Reinberg is cutting from a large crop of Richmond roses as well as a large supply of Killarney and White Killarney. The Easter trade promises to be very brisk at this house for orders are now arriving in every mail.

H. Van Gelder says that Percy Jones opened thirty-two new accounts this week as a result of his recent advertising. F. Simons, of the cut flower department, expects to break all records for Easter sales.

The next regular meeting of the Cook County Florists' Association will be held at the Tavern, West Washington street, on Thursday, March 27, when the officers elected at the last meeting will be installed.

L. Klemm, of Hammond, Ind., celebrated his twenty-fifth wedding anniversary on March 15. His daughter Hattie was married on that date making the day a big event in the Indiana city.

M. A. Leganger and C. McCabe, A. L. Randall Co.'s traveling men, are all smiles on their return to the city. Good business and Randall's new mascot are enough to make them both happy.

The members of the local bowling club are going to appoint a committee to look after John Zech's bowling hall when they make their trip to Milwaukee on March 30. 'Nuff said.

Wm. Lorman and Allie Zech won the florists' prize in the city bowling tournament at Bensinger's alleys with a three game score of 1,083 pins.

C. O. Erickson of Glen Ellyn, has the sympathy of the trade in the death of his daughter, Hannah, age 15, who was killed by the Freeport Flyer of the C. & N. W. R. R., March 10.

Fred Munzing, the new proprietor of the North Edgewater Floral Co., at 6101 Evanston avenue, has made a great many changes about the place since he has taken possession.

The North Shore Floral Co. is contemplating the purchase of ground near its present location, having in view the building of a conservatory and greenhouses.

It is rumored that Chas. Balluff, formerly of this city, but now with the Hill-Heller Co., of Indianapolis, Ind., will join the ranks of the benedicts soon.

The Rogers Park Cut Flower Co., under the management of Harold Sylvia and Victor Arbin, opened its new store last week at 6945 North Clark street.

E. E. Pieser says that trade in general at Kennicott Bros. Co.'s store is good and that his firm is now receiving a good supply of southern bulbous stock.

W. E. Lynch says that demand for American Beauty roses at A. L. Vaughan & Co.'s store is very brisk and that it is impossible to fill all the orders.

The Chicago Flower Growers' Association had a good St. Patrick's day trade and succeeded in disposing of nearly all its white carnations.

Wm. W. Abrahamson is now representing E. A. Hamburg & Co., dealers in florists' refrigerators, with offices at 30 East Randolph street.

The Chicago Carnation Co. is certainly doing a big business in rooted cuttings this year and every mail brings in new orders.

The Batavia Greenhouse Co. is fortunate in having a fairly good crop of American Beauty roses during the present shortage.

A. F. Longren and Clifford Pruner, Pochlmann Bros. Co.'s traveling representatives, are back from successful business trips.

Zech & Mann are featuring in good supply fine sprays of oncidiums in addition to their usual fine line of seasonal stock.

J. A. Budlong's cut of roses and carnations is quite large now and the daily shipments contain some very choice stock.

The Bohannon Floral Co. has opened a temporary store at 29 East Monroe street with Richard Rolston in charge.

The E. C. Amling Co. is featuring a fine grade of sweet peas that are attracting a great deal of attention.

The J. B. Deamud Co. is having a good call for its fancy tulips which are now arriving in quantity.

W. H. Pontious, of the Superior Machine & Boiler Works, is back on duty after a short illness.

Gust. Rusch, of Gust. Rusch & Co., Milwaukee, Wis., transacted business here on March 13.

Wm. Timme is helping out at A. L. Vaughan & Co.'s store during the Easter rush.

The George Wittbold Co. had a full page advertisement in the Tribune, March 19.

Frank Johnson of the A. L. Randall Co. is rejoicing over the arrival of a baby girl.

A Tremendous Cut of Fine Richmond

In All Lengths at \$6.00, \$8.00, \$10.00, \$12.00 per 100.

Also a Big Supply of WHITE KILLARNEYS PINK

American Beauty, My Maryland, Melody,
Ward and Sunrise Roses. Also Carnations.

Easter Price List

AMERICAN BEAUTIES—		Per doz.	Sunrise		\$6.00 to \$10.00
Extra long stems.....		\$6.00	Roses, our selection.....		4.00
48-inch stems		5.00	Carnations	3.00 to	4.00
36-inch stems		4.00	" Fancy		5.00
30-inch stems		3.00	Harrisii	12.50 to	15.00
24-inch stems		2.50	Valley	3.00 to	4.00
20-inch stems		2.00	Violets	.75 to	1.00
18-inch stems		1.50	Sweet peas	.75 to	1.50
12-inch stems		1.00	Tulips	3.00 to	4.00
Short		.75	Jonquils	3.00 to	4.00
Richmond.....			Adiantum		1.00
Killarney.....	Extra select	\$12.00	Asparagus, per bunch	.50 to	.75
White Killarney.....	Select	\$8.00 to 10.00	Ferns, per 1,000.....		2.50
My Maryland.....	Medium	5.00 to 6.00			
Wards.....					

2,000,000 Feet of Modern Glass

PETER REINBERG

30 E. Randolph St.,

L. D. PHONE
CENTRAL 2846

Chicago

August Poehlmann and wife, W. N. Rudd and wife, Geo. Asmus and others bound for the National Flower Show, New York, will leave on the Lake Shore Limited (La Salle Street Station), Friday, April 4, at 5:30 p. m. Berths should be reserved well in advance by notifying G. K. Thompson, General Passenger Agent, 100 South Clark street, telephone Randolph 5300. It will be noted that the date of leaving has been changed since last week.

The Horticultural Society's executive committee met March 19 to complete plans for the coming spring show at the Art Institute, April 1-5. All indications point to a grand display of spring stock. Intending exhibitors should reserve space at once by addressing Secretary H. J. Haight, 440 South Dearborn Street, Chicago.

Jack Geimer, Matt Mann and Fred

Ottenbacher took in the sights at Joliet last week. Mr. Ottenbacher brought back quite a collection of Easter plants which were presented to him by his friends in the trade.

Wietor Bros.' Stock is arriving in fine condition, especially Killarney, White Killarney, Richmond roses and carnations. Gust. Weidenhoff, this firm's new foreman, entered upon his duties on March 17.

Fred Lautenschlager, with the Kroeschell Bros. Co., will attend the National Flower Show in New York.

Hoerber Bros. report very brisk trade with a cleanup nearly each day in roses especially.

Visitors: R. Karlstrom, representing W. A. Manda, South Orange, N. J.; E. J. Fancourt, of the Pennock-Meehan Co., Philadelphia, Pa.; H. Roth, Lafayette, Ind.; Edw. Amerpohl, Janesville, Wis.; Gust. Rusch,

of Gust. Rusch & Co., Milwaukee, Wis.; E. W. McLellan, San Francisco, Calif.; H. J. Wilson, with S. H. Wilson & Son, Columbus, O.; J. J. Slack, representing the Peters & Reed Pottery Co., South Zanesville, O.; A. C. Rott, Joliet.

Chicago Florists' Club.

President. French announces that the special order of business for the next meeting of the Chicago Florist Club will be the election of a secretary to fill the vacancy caused by the resignation of Wilder S. Deamud, who is leaving the city permanently; to receive the report of the transportation committee and to decide on the official route to the S. A. F. convention at Minneapolis. A full attendance is desired.

ED. C. TREPPEL, Sec'y pro tem.

ROSES--CARNATIONS--VALLEY

**SWEET PEAS, VIOLETS, LILIES, CALLAS, ORCHIDS.
ALL BULBOUS FLOWERS AND GREENS.**

Fancy Ferns

\$1.50 per 1000 until April 1.

THEY ARE THE BEST.

A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.,

**L. D. Phone:
Central 2761**

CHICAGO

St. Louis.

ROSES AND CARNATIONS INCREASING.

We have experienced all kinds of weather during the past week. The first part of the week was balmy and sunshiny. The end was below the freezing point. There has been a large increase in the supply of roses and carnations. White carnations stiffened in price for dyeing for St. Patrick's day. Many florists used pale Enchantress in place of white, owing to the high prices. The Easter outlook on plants is good with perhaps lily plants a little scarce. Quite a number of spring openings have helped the sales of the cheaper grades of flowers. Greens of all kinds are selling well. Southern jonquils are plentiful and are selling at lower prices. Some fancy tulips are seen.

NOTES.

The Florists' Club meeting took place Thursday at 2 p. m., fifty members were present. President Young in the chair. The feature of the meeting was the carnation exhibit which was staged at the Wm. C. Smith Wholesale Floral Co.'s store on Pine street. Alex Waldbart, A. S. Wells, M. B. Garden were elected members. The following florists showed flowers: Fred Ammann, Edwardsville, Ill., carnations; A. N. Rowe, Kirkwood, lily of the valley; Werner Bros., a fine display of Pink Killarney roses; Hugo & Gus Gop, sweet peas and violets; Adolph Ahner, carnations, White Wonder; Vennemann Bros., carnations and sweet peas; Weber's Nursery, carnations; Alton Floral Co., white carnations and Beacon; C. C. May, vase of carnations.

We regret to announce the death of Mrs. Wagoner, mother of Geo. Wagoner, designer at Grimm & Gorly's store, last Wednesday, March 12. The funeral took place Sunday and was largely attended. Many floral offerings were sent.

Sturdy two-year-old plants, all New York State grown worth 10 to 25 cents each are offered this week by a leading department store for five cents. What are the retail florists' associations going to do about this?

Kalish Bros. have a splendid display of Easter plants. Their store can be seen from the street cars on all sides, being located on a very prominent corner.

Alex Siegel continues special sales of violets, sweet peas and carnations. This store is always busy and Alex is one of our heaviest buyers in the market.

F. H. Weber's show windows are wearing an Easter aspect. Easter novelties are in abundance and his designers are kept busy at all times.

C. Young & Sons, as usual, are out with beautiful Easter decorations.

Their down-town store as well as their West End branch are kept busy.

Fred Bruenig has a splendid display of Easter plants. His business is at all times in a healthy condition and keeps all his employees at work.

The Mulanphy Flower Co. and the Bentzen Floral Co. have specially beautiful displays at their stores on North Grand avenue.

A. Jablonsky of Olivette, Mo., is growing some very fancy carnations, which are exclusively handled by H. G. Berning.

The Riessen Floral Co. is busy decorating their show windows for Easter. They have always a very artistic floral display.

F. C. Weber's windows are always very tastefully decorated with the latest novelties in design work.

Grimm & Gorly will use their new store which is not yet complete as an annex for Easter week.

John Barnard is building up a good trade. His business has increased considerably.

Max Rotter has a very pretty store on Fourteenth Street and has a good trade.

Henry Daurenburgh is again in the employ of Grimm & Gorly.

Otto Sander has a very fine decorated window.

W. F.

Milwaukee.

STOCK IN GOOD CONDITION.

Stock is arriving in good condition. There are plenty of roses, but not an over-supply and some are of fine color. American Beauties are very scarce and few are seen on the local market. Carnations are coming in more plentiful in all varieties and sell readily, especially the white, which were in great demand for last week. There is plenty of bulb stock, such as daffodils, tulips and narcissi. Violets and sweet peas are of excellent quality and move well, bringing a good price. Sprengeri and Asparagus plumosus are scarce, but there are enough other greens to fill all orders.

NOTES.

The C. C. Pollworth Co. reports business very good, having a heavy demand for white carnations last week. This firm is busy making plant shipments for Easter and is looking forward to a fine trade.

Gust. Rusch & Co. report business very good for the past week. This firm will have an exceptionally fine cut of lilies for Easter as well as other stock. Mr. Rusch spent Thursday, March 13, in Chicago.

The Holton & Hunkel Co. is cutting a fine grade of roses. This firm has an exceptionally fine crop of lilies at their Brown Deer plant.

PERCY

Wholesalers of

**CUT FLOWERS and
FLORISTS' SUPPLIES**

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

Kennicott Bros. Co.

Wholesale Cut Flowers

**BOXWOOD—Extra Fine,
\$7.50 per case.**

**163-165 N. Wabash Av.
CHICAGO**

L. D. Phone Central 466

Magnolia Leaves

**Cycas Leaves
AMERICAN OAK SPRAYS
Ruscus**

Write for samples.

**OSCAR LEISTNER, 17 North Franklin Street
CHICAGO**

Selling Agents for OVE GNATT, Hammond, Ind.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449

176 N. Michigan Ave.

Chicago

KILLARNEYS

Large supplies of the finest White and Pink obtainable in the Chicago market.

Also a big quantity of all other seasonable Flowers and Greens.

PUSSY WILLOWS, 35c to 50c per bunch

Easter Price List.

Subject to change without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 8.00	\$ 6.00	\$ 5.00	\$4.00	.....
Killarney.....per 100	12.00	10.00	8.00	6.00	5.00
White Killarney.....	12.00	10.00	8.00	6.00	5.00
My Maryland.....	12.00	10.00	8.00	6.00	5.00
Richmonds.....	12.00	10.00	8.00	6.00	5.00
Mrs. Aaron Ward.....	12.00	10.00	8.00	6.00	5.00
Sunburst.....	12.00	10.00	8.00	6.00	5.00
Carnations.....	5.00	4.00	3.00	2.00	.....
Callas.....	15.00	12.50	.....	.....	.....
Lily of the Valley.....	4.00	3.00	.....	.....	.....
Violets, Extra fine single.....	1.50	1.00	.....	.....	.....
Double.....	1.50	1.00	.....	.....	.....
Sweet Peas.....	1.50	1.00	.....	.....	.....
Jonquills.....	4.00	3.00	.....	.....	.....
Tulips.....	4.00	3.00	2.00	.....	.....
Easter Lilies.....	15.00	12.50	10.00	.....	.....
Daisies.....	1.50	1.00	.....	.....	.....
Asparagus Plumosus Sprays..per 100	4.00	3.00	2.00	.....	.....
Asparagus Sprenger Sprays..	3.00	2.00	.....	.....	.....
Mexican Ivy.....	.60	.....	.....	.....	.....
Smilax.....	16.00	12.50	.....	.....	.....
Galax, Green and Bronze.....per 1000	1.00	.....	.....	.....	.....
Ferns.....	2.00	.....	.....	.....	.....
Boxwood.....bunch	.25	.....	.....	.....	.....
Adiantum.....per 100	1.00	.75	.....	.....	.....

Roy Currie, of the Currie Bros. Co., spent several days in Chicago last week. He reports business good with many large funeral orders and decorations for the various stores for "style week."

Wm. Schaeffer, of the Platteville Floral Co., Platteville, Wis., spent Friday in Milwaukee, combining business and pleasure.

On Sunday, March 30, the Chicago Florists' Club bowlers will bowl a match game with the Milwaukee Florists in this city.

Otto Wilke, grower for Fred Kaiser, is still confined in St. Mary's hospital, but his condition is somewhat improved.

Aschenbach of the Flower Shop, Racine, Wis., made a business trip to Milwaukee on Monday.

BOWLING SCORES.

O. Eggenbrecht	157	126	121
G. Kellner	130	170	151
H. Schimmels	127	160	121
A. Hare	162	125	126
W. Halliday	111	136	166
G. Pohl	135	131	134
W. Schmitz	116	115	144
H. Heine	112	128	113
J. Verry	127	115	139
G. R.			

Nashville, Tenn.

AMPLE EASTER SUPPLY.

From the present outlook there will be an ample supply of flowers of the very best quality for the Easter demand. The season has been very favorable and the flowers are in the best condition possible. Roses of all kinds will be abundant with the exception of American Beauties, which will be somewhat scarce. Killarney, Richmond and Kaiserin roses are coming in all right and there will be an ample supply. Carnations were never better, either in quality or quantity. There will be an abundance of Easter lilies on the market, also violets, lily

PULLMAN EQUIPMENT

Pullman Equipment is essentially similar on all main lines of travel, but one finds the newest little refinements of service upon those lines which match it with their up-to-date Chair Car and Coach Equipment. Pullman builds the best cars, and the Chicago Great Western runs the best cars Pullman builds.

THE GREAT WESTERN LIMITED

the spotless steel train of solid Pullman Equipment leaves Chicago Grand Central Depot at 6:30 p. m., arrives St. Paul 7:30 a. m., Minneapolis 8:05 a. m. After theatre train leaves Chicago 11:00 p. m., arrives St. Paul 1:35 p. m., Minneapolis 2:10 p. m.

Chicago Great Western

A. L. Craig, G. P. A.

1139 People's Gas Building,
Chicago.

of the valley and all kinds of bulbous stock. Also pot flowers.

NOTES.

Several visitors were in the city the past week, including J. C. Vaughan, Chicago, returning from the South; — Nickman, New York, representing McHutchinson & Co.; — Fairmount of the Pennock-Meehan Co., Philadel-

phia, Pa.; — Kaimel, Chicago, and the veteran Joseph Rulker of New York.

Geny Bros. will have plenty of roses of all kinds for the Easter trade, except American Beauties. They also have sweet peas in abundance.

In addition to all the general run of flowers, the Joy Floral Company will have plenty of orchids and rhododendrons.

M. C. D.

"The Busiest House in Chicago."

BIG SUPPLY FOR EASTER

Lilies, Roses, Carnations, Violets, Valley, Tulips, Daffodils, Callas, Daisies and all other seasonable flowers and greens. All Late Orders will receive Prompt Attention.

J. B. DEAMUD CO.

Phones Central 3155. 160 N. Wabash Av., CHICAGO
Auto. 44-389.

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street

L. D. Phone, Randolph 6578]

CHICAGO, ILL.

Cincinnati.

TRADE KEEPS UP WELL.

Business kept up rather nicely last week. The active demand of the preceding week held out pretty well. The supply, however, continued to increase. As a result, present indications are that there will be a sufficient supply for Easter. Bulbous stock, including principally tulips, jonquils and daffodils, is as a whole in a most excellent condition. It may be safely said that the quality of the offering at a time this close to a holiday is far better than for some years past. The Easter lily blooms are fine but the relative size of the receipts of this flower can not at the time of this writing be determined. Many good callas are coming in. Considering the large receipts in roses these have brought a very fair price. Naturally Pink and White Killarney are the leaders. The American Beauty rose receipts are hardly adequate. Smaller flowers adapted mainly for corsage bouquets and the like have been finding a very meager market. The best seller of the lot is sweet peas. Single violets have only been moving fairly well, while the market for doubles is not that good. Lily of the valley has been exceptionally fine but has not sold so very well. The supply of orchids and gardenias is more than sufficient.

NOTES.

The J. M. McCullough Sons Co., has been getting in some excellent Dutch hyacinths, jonquils and daffodils from Albert McCullough's place at Pleasant Ridge.

H. D. Crowell of the S. S. Pennock-Meehan Co., stopped in the city to call on his firm's trade last week.

Wm. Schumann has been sending some lily of the valley of the very highest quality into the market.

L. H. Bragg, of Hinsdale, Mass., called on his trade in town last week.

Thos. Windram and wife have returned from Leesburg, Fla.

C. E. Critchell has been receiving some very fine gardenias.

Nic. Weber has been very ill for several days past.

Visitors: Chas. Plummer, Amelia, O.; H. A. Staly, Vanceburg, Ky. H.

Worcester County Hort. Society.

The Worcester County Horticultural Society held the first flower show of the season at Horticultural Hall, Worcester, Thursday, March 6. The feature of the show was a remarkable display of plants by H. F. A. Lange, which occupied the center of the hall. It consisted of rambler roses, rhododendrons, azaleas, lilacs, tulips and hyacinths. An acacia and a genista bush were also displayed. A semi-circle of attractive blossoms and greenery was shown by Denholm & McKay Co. The orchid display of George M. Whistn. raised by George McWilliam, received much praise, as such a display is rarely found at this time of the year. The awards were:

Cut flowers in vases—H. F. A. Lange, first; Mrs. John C. Whitin, second; Forbes & Forbes, third; Charles Potter, fourth.

Carnations, ten flowers in a vase—L. C. Midgley, first; Forbes & Forbes, second; Mrs. J. C. Whitin, third.

Orchids, 20 in a vase—Mrs. J. C. Whitin, first.

Azalea indica—H. F. A. Lange, first. Azalea indica, three plant display—H. F. A. Lange, first.

Begonia, Gloire de Lorraine—Mrs. J. C. Whitin, first; H. F. A. Lange, second.

Cineraria—A. H. Hixon, first; A. E. Underwood, third.

Cyclamen, four plants—H. F. A. Lange, first.

Cyclamen, one plant—H. F. A. Lange, first; Miss Lucy Coulson, third.

Hyacinth, six plants—H. F. A. Lange, first; Miss Lucy M. Coulson, third.

Primula Chinensis—H. F. A. Lange, first.

WE have a big supply of Mexican Ivy at 60c per 100 and a surplus of choice Magnolia Leaves at \$1.20 per basket, while they last.

H. WITTBOLD

56 Randolph St., CHICAGO

Phone Randolph 4708

Narcissus—H. F. A. Lange, first; Mrs. J. C. Whitin, second; W. E. Sargent, third.

Pansies—Charles Potter, first.

Violets—A. W. Hixon, first.

Snapdragons—Mrs. J. C. Whitin, first.

Orchids—George McWilliam, first.

H. F. A. Lange received a prize of \$25 for his plant display. R.

Chicago Bowling.

C. C. F. LEAGUE.

Team Standings.

	Won.	Lost.		Won.	Lost.
Roses	34	26	Orchids....	30	30
Violets	30	30	Carnations ..	26	34

Individual and team scores for games played March 12:

Violets.			Orchids.		
Wolf	213	149 136	Krauss	169	170 157
Jacobs	152	173 125	Graff	162	161 180
Cole	125	107 141	Brostrom	169	158 171
Schultz	176	206 194	Foerster	146	199 160
J. Huebner.....	170	147 175	J. Zech.....	164	163 135
Totals.....	836	782 771	Totals.....	810	851 783
Roses.			Carnations.		
Goerlich	136	139 127	Lorman	114	157 151
Schleiden	132	112 110	Lieber'n	159	123 164
Byers	147	170 212	Armstrong.....	167	138 152
Price	167	210 182	Ayers	212	155 177
Fischer	183	163 172	A. Zech.....	183	159 190
Totals.....	765	794 803	Totals.....	835	732 834

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

68 E. Randolph Street,

Phone Central 7720.

CHICAGO

Everything in Cut Flowers and Supplies.

Send Your Orders for Seasonable Flowers to

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids, Violets and Other Seasonable Stock.

Long Distance Phone Central 3598.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET,

CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers
at Lowest Market Prices.

30 E. Randolph St., CHICAGO

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

HOERBER BROS

Wholesale Growers of **Cut Flowers**

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave.,

CHICAGO

WIETOR BROS.

Wholesale Growers of **CUT FLOWERS**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS

Our Specialties.

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond, Killarney and White Killarney roses. All orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, March 19.	Per doz.
Roses, Beauty, specials.....	\$6 00
" " 36-in.....	5 00
" " 30-in.....	4 00
" " 28-in.....	3 00
" " 15-20-in.....	1 50@ 2 00
" " 12-in.....	1 00
" " Short.....	\$6 00
" Killarney.....	4 00@10 00
" White Killarney.....	4 00@10 00
" Richmond.....	4 00@10 00
" Prince de Bulgarie.....	4 00@12 00
" Radiance.....	4 00@12 00
" My Maryland.....	4 00@10 00
" Melody.....	4 00@12 00
" Mrs. Jardine.....	4 00@10 00
" Lady Hillingdon.....	4 00@12 00
" Sunburst.....	4 00@12 00
Carnations.....	1 00@ 4 00
Daffodils.....	3 00
Cattleyas.....per doz.,	6 00@ 7 50
Gardenias.....	2 00@ 4 00
Jonquils.....	3 00
Lilium Harrisii.....	10 00
Tulips.....	3 00@ 5 00
Violets.....	50@ 1 00
Valley.....	3 00@ 4 00
Sweet Peas.....	1 00@ 1 50
Adiantum Croweanum.....	1 00
Boxwood.....per lb.,	25
Ferns.....per 1000,	2 00@2 50
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy.....per 1000,	5 00@6 00
Plumous Strings.....each,	50@ 60
Smilax.....per doz.,	1 50@2 00
Sprengerii, Plumous Sprays.....	3 00@ 4 00

ROSES

White and Pink Killarney and Richmond Roses. Red, White and Pink Carnations. Callas, Sweet Peas, and Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

Mention the American Florist when writing

Chicago Carnation Co.

Wholesale Florists,

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

Mention the American Florist when writing

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing



CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

Green Sheet Moss

For lining hanging baskets, for decorating
show windows, for covering soil on pot
plants, etc. 1 Bale (5 bundles).....\$1.25
5 bales (25 bundles)..... 6.00

GEO. H. ANGERMUELLER,
Wholesale Florist. ST. LOUIS, MO.

Philadelphia.

TRADE EXTREMELY DULL.

Very dull business was the rule the past week as with the exception of a run of funeral work on Monday and a fair trade on Saturday, the demand was very light indeed. There was an abundance of stock and yet prices did not sag to any extent. The weather is very mild and flowers are showing the effects of it. The Killarney roses are often quite light in color. The fancy roses, such as Hillingdon, Sunburst, Taft, etc., are in fairly good demand. Irish Fire Flame appears in a class by itself, it having a form and color all its own. When in the hands of an artist in combinations with other roses, some very fine work is turned out. Carnations are quite equal to the demand and while an attempt has been made to stiffen the price, the light demand of the week held matters about even. Violets are beginning to show the effects of the waning winter season, although they will last in fairly good shape until after Easter. There are plenty of good sweet peas, lots of lily of the valley, gardenias far too plentiful, and orchids about normal. Everybody offers Easter lilies in quantity. There has been no trouble to get them in this season. The outlook for next week is that there will be no scarcity of anything, as with the possible exception of American Beauty roses, the stock all along the line shows up in quantity. There will be little increase in price, except in carnations, which are likely to stiffen a bit as usual.

NOTES.

The spring business has already commenced with the H. A. Dreer Co., the large packing sheds being full of orders, many of them at this season coming from the south. Pot roses are one of their specialties, 250,000 having been potted for this season's demand. These were potted last fall and have been kept dormant in a large range of glass piled as many as five and six layers together to save room. They are well rooted and are now being placed outside in open frames where they will come along with the season. There are certainly very few stocks in the world any larger than this. The outdoor herbaceous stock is enormous. This is for the most part grown in small pots. This treatment insures a perfect plant which takes up little room in shipping, and not having been injured in the moving it gives perfect satisfaction. The spring importations of boxwood are

GUST. RUSCH & CO.



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Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, March 19.	Per 100
Roses, Beauty, extra.....	50 00@60 00
first.....	20 00@35 00
Brides and Maids.....	4 00@12 00
Killarney.....	4 00@15 00
White Killarney.....	4 00@15 00
Liberty.....	6 00@15 00
Carnations.....	3 00@ 5 00
Cattleyas.....	35 00@50 00
Daffodils.....	2 50@ 3 00
Freesias.....	3 00@ 600
Gardenias.....per doz., 1 00@ 2 00	
Lilium Harrisii.....	8 00@12 00
Lily of the Valley.....	3 00@ 5 00
Calla Lilies.....	10 00@12 00
Marguerites.....	1 50@ 3 00
Snapdragons.....	10 00@20 00
Sweet Peas.....	75@ 1 50
Violets, single.....	75@ 1 00
double.....	75@ 1 00
Asparagus.....per bunch, 50	
Tulips.....	2 00@ 4 00

PITTSBURG, March 19	Per 100
Roses, Beauty, special.....	50 00
extra.....	30 00
No. 1.....	15 00
Killarney.....	3 00@10 00
My Maryland.....	3 00@10 00
Richmond.....	3 00@10 00
Carnations.....	3 00
Calla Lilies.....	12 00
Freesias.....	3 00
Gardenias.....	3 00
Daisies.....	2 00
Cattleyas.....	50 00
Violets.....	50@ 75
Sweet Peas.....	75@ 1 00
Lilium Longiflorum.....	12 00
Lilium Rubrum.....	8 00
Lily of the Valley.....	4 00
Daffodils.....	3 00
Tulips.....	3 00
Paper White.....	3 00
Romans.....	2 00
Poeticus Narcissus.....	1 00
Oncidiums.....	4 00
Lilac.....per bunch, \$1 00	
Asparagus Sprengeri, per bunch, 35@40	
Sprays.....per bunch, 35@40	

MILWAUKEE, March 19.	Per 100
Roses, Beauty, per doz., 2 00@5 00	
White and Pink Killarney, 4 00@12 00	
Richmond.....	4 00@12 00
Carnations.....	2 00@ 5 00
Callas.....per doz., 1 50@ 2 00	
Easter Lilies, per 1000, \$125.00, 15 00	
Lilium Giganteum, per doz., 1 50@ 2 00	
Lily of the Valley.....	3 00
Sweet Peas.....	50@ 1 50
Tulips.....	3 00
Trumpet.....	3 00
Paper White.....	2 00@ 3 00
Violets, Wisconsin grown.....	75@ 1 00
Asparagus.....per string, 50	
Sprengeri, per bunch, 35	
Ferns, fancy.....per 1000, \$2 50	

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.

1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

Easter Lilies, Tulips, Daffodils, Violets,
all the popular roses. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

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1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

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WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1314 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Beauties in Quantity

Stock of the Finest Quality

THE LEO NIESSEN CO.,

Wholesale Florists,
N. W. Cor. 12th and Race Sts.,

Philadelphia, Pa.

WE are in a position to offer you the largest supply of Beauties in this market. When in need of a quantity, get our prices and you can always depend on us, to fill your order.

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

just in, and a fine lot they are. It is certainly good policy to have them wintered on the other side, as they are quite the equal of any that are seen in the fall. A half acre of cocos in one of the large ranges is a feature of the place. They are a premium lot of plants. How to grow cocos is no longer a secret here, the only trouble being how to produce enough stock for the wonderful demand the firm worked up by offering such perfect plants. The new Glory fern is seen by the houseful and the repeat orders, most of them larger than the original, seem to forecast a great future for this variety. The Bird's-nest fern is also a feature here. A splendid lot is coming on, but will not last the season out, as it will all be sold before the time for delivery comes around. Seven hundred and fifty varieties of dahlias arranged in bins in a large shed which they have to themselves, is a great sight. In the center of this shed are ranged small shipping bins with varieties arranged alphabetically so that orders are easily gathered together.

The Leo Niessen Co. predicts a great Easter and is preparing for it, having almost doubled the delivery force by the addition of autos. Horses will soon be conspicuous by their absence here and the firm will soon own a garage of its own. After Easter lilies, American Beauty roses, carnations, lilacs and snapdragon are leaders for the week.

One would think that Edward Reid was a Southerner, he has such a large Southern trade. As a matter of fact, he was born among the shamrocks and is quite proud that he came from the "ould sod." Sweet peas and high grade carnations are a feature with him.

The M. Rice Co. is having a breathing spell after the large shipping trade, although the past week found the firm hard put to it for the local trade, which kept the force hard at it until the last day.

At Berger Bros' store Easter lilies are a feature. The flowers are large and not many to a stem. K.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, March 19.		
Roses, Beauty, special.....	per doz..	\$7 00
" " fancy.....	" "	5 00
" " extra.....	" "	3 00
" " No. 1.....	" "	2 00
" " No. 2.....	" "	50¢ 75
" " Maid and Bride.....	Per 100	5 00@ 8 00
" " Pink Killarney.....	" "	5 00@12 00
" " White Killarney.....	" "	5 00@12 00
" " Richmond.....	" "	5 00@12 00
" " My Maryland.....	" "	5 00@12 00
" " Aaron Ward.....	" "	5 00@10 00
" " Kaiserin.....	" "	4 00@ 8 00
" " Carnot.....	" "	4 00@ 8 00
Carnations.....	" "	2 00@ 5 00
Lilium Longiflorum.....	" "	12 00@15 00
Lily of the Valley.....	" "	3 00@ 4 00
Pink Japan Lily.....	" "	3 00@ 5 00
Narcissus.....	" "	2 00@ 3 00
Jonquils.....	" "	2 00@ 3 00
Violets.....	" "	60¢ 1 00
Mignonette.....	" "	3 00@ 5 00
Daisies.....	" "	1 00@ 1 50
Asparagus, per bunch.....	35¢	50
Asparagus, Sprenger.....	35¢	50
Ferns.....	per 1000,	\$2 50
Galax.....	per 1000,	\$1 50
Smilax.....		15 00

BOSTON, March 19.		
Roses, Beauty, best.....	Per 100	50 00@75 00
" " medium.....	" "	18 00@25 00
" " culls.....	" "	4 00
" " White and Pink Killarney.....	2 00@ 6 00	
" " Extra.....	6 00@10 00	
" " Taft.....	4 00@10 00	
" " Cardinal.....	2 00@10 00	
" " Ward and Hillingdon.....	2 00@ 8 00	
" " Killarney and Richmond.....	2 00@ 8 00	
" " My Maryland.....	2 00@ 8 00	
Carnations, select.....	2 00@ 3 00	
Callas.....	8 00@12 00	
Cattleyas.....	25 00@40 00	
Gardenias.....	12 00@25 00	
Lilium Longiflorum.....	8 00@10 00	
Lily of the Valley.....	2 00@ 4 00	
Sweet Peas.....	50¢	75
Smilax.....	12 00@16 00	
Violets, single.....	35¢	75
" double.....	25¢	50

CINCINNATI, March 19.		
Roses, Beauty.....	per doz.,	\$1 00@4 00
" " Bride, Bridesmaid.....	Per 100	3 00@ 8 00
" " Killarney.....	" "	3 00@ 8 00
" " My Maryland.....	" "	3 00@ 8 00
" " Perle.....	" "	3 00@ 8 00
" " Richmond.....	" "	3 00@ 8 00
" " Taft.....	" "	3 00@ 8 00
Carnations.....	" "	3 00@ 4 00
Callas.....	" "	12 50@15 00
Lilium Giganteum.....	" "	12 50@15 00
Lily of the Valley.....	" "	3 00@ 4 00
Orchids.....	per doz.,	4 00@ 6 00
Narcissus.....	" "	2 00@ 3 00
Tulips.....	" "	2 00@ 4 00
Jonquils.....	" "	2 00@ 3 00
Dutch Hyacinths.....	" "	3 00@ 4 00
Roman Hyacinths.....	" "	2 00@ 3 00
Violets.....	" "	50¢ 1 00
" double.....	" "	50¢ 75
Freeias.....	" "	2 00@ 3 00
Sweet Peas.....	" "	35¢ 1 00
Asparagus Plumosus.....	per bunch,	25



Give Us a
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We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

—THE— J. M. McCullough's Sons Co.,

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**Wholesale Commission Florists
Consignments Solicited**

Complete Stock of Florists' Greens and Supplies

St. Louis, March 19.		
Roses, Beauty, long.....	per doz.,	4 00
Roses, Beauty, medium.....	" "	8 00@15 00
Roses, Beauty, short stems.....	" "	3 00@ 6 00
" " Killarney.....	" "	5 00@10 00
" " My Maryland.....	" "	5 00@10 00
" " White Killarney.....	" "	5 00@10 00
Carnations.....	" "	3 00@ 4 00
Easter Lilies.....	" "	10 00@12 50
Lilium Rubrum.....	" "	8 00
Valley.....	" "	4 00
Violets.....	" "	40¢ 60
Asparagus Sprenger.....	" "	2 00@ 3 00
Asparagus Plumosus, per bu.,	35¢@60	
Ferns, New, Fancy.....	" "	1 75
Galax.....	per 1000,	1.25

New York.

BUSINESS VERY DULL.

Business was very dull during the past week, the main reason being that the buying at the retail stores was light. The last three days of the week were dark and gloomy with much rain, which also contributed to the dullness. It was what is often termed "warm and muggy" weather, and was at all times disagreeable. Saturday, March 15, was somewhat better for business but was not particularly good. On account of an increased demand for white carnations on that day to dye green for St. Patrick's day, some of the wholesalers put up the price to six cents each, but it did not stay there very long, four cents being the price generally paid. American Beauty roses are now much more plentiful and it takes good special stock to bring \$5 a dozen. The prices of Killarney and other tea roses are about the same as our quotations of March 12. In anticipation of Palm Sunday the market was well supplied with cut lilies on March 15, but no very unusual demand was noted, prices being from eight to 10 cents per flower. There does not seem to be a possibility of a scarcity of Easter lilies, or, for that matter, of any other flowers or plants. Violets have been particularly slow during the past week and were much in evidence on the street corners.

Monday, March 17—There is a better tone to the market this morning, the weather is more favorable, being clear and bracing. There is an upward tendency in the prices of white stock, white carnations wholesaling for 4 cents. Cattleyas and gardenias are plentiful and cheap compared with former years. Although the weather of the past week was dark, a good supply of stock continues to arrive. There are plenty of American Beauty roses and though the best specials bring \$5.00 to \$7.00 a dozen wholesale, there is stock selling as low as \$4.50.

NOTES.

The funeral of Philip Einsman was held from the residence, Astoria, N. Y., on the afternoon of March 16. The pallbearers were William H. Siebrecht, president of the New York Florists' Club; John Donaldson, vice-president of the same organization; John Niessen, one of the trustees; and Victor Darval and Peter Jacobson, also members of the club. Messrs Siebrecht, Donaldson and Niessen, are also members of the Society of American Florists and all the pallbearers were formerly associated with Mr. Einsman in the New York Cut Flower Exchange. That organization sent a large standing wreath. The Astoria Bowling Club sent a large floral cross and the New York Florists' Club a wreath. There were many other floral tokens from relatives and friends. Interment was at Short Hills, N. J., of which place Mr. Einsman was formerly a resident.

At the store of John S. Nicholas, Forty-second street, near the Grand Central Station, a great stock of fine lilies and other choice plants are already exhibited in anticipation of the Easter trade. These, in connection with his fine stock of cut flowers, make his store very attractive. His show windows are rich in orchids, American Beauty roses and other fine stocks. His son, Minor J. Nicholas, is now actively interested with him in the business. In a few weeks they will open another store in the Grand Central Station, which promises to be the finest retail store ever seen in a railway station in this country.

Charles Pinto, who gave his address as No. 43 Park Row, was held for trial before Magistrate McQuade March 15, charged with larceny. The complainant was Helen Togaris, who,

with her sister, keeps a flower stand at the approach to the Brooklyn Bridge. According to Miss Togaris, Pinto came to her stand and asked for \$7.00 worth of flowers to be delivered at an address in Brooklyn, telling her he was "Alderman Connolly," and that he was to be married that night. She said he gave her a check for \$10.00 and she gave him \$3.00 in change. When the flowers were sent to the Brooklyn address the messenger found that it was fictitious. Miss Togaris continued to watch the crowds coming from Brooklyn, and eventually saw Pinto and had him arrested.

The Marche aux Fleurs, to be held at Sherry's on the afternoon and evening of March 27, promises to be a very interesting event. It is stated that flowers will be the principal articles sold at the fete and that many of the society people who have greenhouses on their country estates will contribute blooms in great variety. The originators of the idea had the flower markets of Paris in mind and a reproduction of the facade of the Madeleine of that city will be seen in the ballroom. There will also be booths for the sale of vegetables, at which young society women, in Dutch costumes, will preside.

Speaking of St. Patrick's day and the dyeing of flowers, we believe it would pay some of the dyers to go West and learn from the Indians. The first lunch basket we ever carried to school was made by an Indian woman from thin narrow strips of ash. They called the material "clush." These strips were beautifully dyed in different colors, and it is in a spirit of philanthropy that we offer this suggestion to the dyers of flowers.

Members of the firm of Fleuti & Reck of Highwood, N. J., who frequently visit this city have adopted a novel form of advertising. They send picture postal cards to their customers each month. The picture is supposed to represent the most popular form of sport for that month; on the reverse side is a stanza of poetry in which the popular or prevailing flower for the month is named.

J. K. Allen, in addition to a good stock of cut flowers, is now handling very fine geraniums and pots of candytuft from the range of Charles Hunt, Port Richmond, Staten Island. On a recent visit to the Hunt range we noted a large and very excellent stock of geraniums many of which were in bloom.

At the Astoria range of Wm. H. Siebrecht, we recently noted very fine purple and white lilacs, lilies and other bulbous stock, which is shipped daily to the store of his son, Geo. O. Siebrecht, on Twenty-eighth street, and to his stand in the New York Cut Flower Exchange.

Arthur Pritchard, a well known designer, formerly with Christatos & Kostas on Madison avenue, is now with Malandre Bros. at their main store, Broadway and One Hundred and Third street.

Some of the retail stores have already stocked up with plants. At the store of G. N. Malterzas, 2424 Eighth avenue, we have noted a fine stock of lilies, azaleas and other Easter plants.

Horace E. Froment continues to receive daily shipments of fine American Beauty, Richmond, Killarney and other roses from the L. B. Coddington range, Murray Hill, N. J.

At Thomas Young's, Jr., on March 15, we found the designers busy on a large harp which was to be prominent in one of the social events of St. Patrick's day.

The show window of Young & Nugent was gay Monday with shamrock and other suitable arrangements.

Philip F. Kessler is now handling very fine stock in lilies, tulips, narcissus and sweet peas.

Among many fine roses reaching this market none are finer than the pink and white Killarneys that are being handled by Wm. P. Ford, 107 West Twenty-eighth street.

A fine cross sent by the Astoria Bowling Club to the funeral of Philip Einsmann was made up by Chas. Arnold, a designer of Long Island City.

New York Florists' Club.

SOME VARIETIES AT SHOW.

The nearness of press day rendered it impossible to make extended comment on the exhibits at the New York Florists' Club meeting of March 10, and this opportunity is taken to review some of the more commendable varieties a little more fully.

Rose Killarney Brilliant—This new rose is appropriately named, for a more brilliant pink could not be found. We have never heard any fault found with the color of the original Killarney when at its best, but there are times, and it happened during a part of the past winter, that Killarney came to market looking somewhat pale. Killarney Brilliant is such a bright color that it could very well afford to lose some and yet be equal to the average pink rose. In stem and foliage, it seems to possess the desired qualities and we shall note with interest its future history.

Rose Irish Fire Flame—When we first saw this rose some six months ago, we confess that it did not greatly impress us. We are now pleased to note a great improvement, which is but natural to expect at this season. It has made better stems and after seeing it in various stages of openness, it has proved more attractive. The color is rather hard to describe and as we have not the grower's description at hand, we would call it pink with a shade of bronze, at any rate the color is attractive and we shall be interested in its future success.

Carnation Laura Weber—This seedling looks good to us. It has well formed flowers on good stems and the color is the desirable Enchantress shade, though better than that of Enchantress we have seen.

White Seedling Carnation—A good white carnation is always desirable and we may add, it is a pity to see so many of them spoiled for St. Patrick's day. This seedling of Frank Dienda's looks very promising and we hope to see more of it.

Horticultural Society of New York.

The Horticultural Society of New York held an exhibition in the American Museum of Natural History March 15. Creditable exhibits were as follows:

Collection of cut orchids—Samuel Untermyer, Yonkers, N. Y. (W. H. Waite, gardener), first prize.

Dendrobium plant—Samuel Untermyer, first prize.

Oncidium plant—Samuel Untermyer, first prize.

One hybrid orchid plant—Mrs. F. B. Van Vorst, Hackensack, N. J., first prize.

Twelve primula plants—Geo. W. Perkins, Riverside, N. Y. (M. Anderson, gardener), special prize.

Vase of sweet peas, varieties Snowbird, Mrs. Aelx. Wallace and Christmas pink—A. Lewinshon, Ardsley, N. Y. (John Canning, gardener), first prize.

Vase of Killarney roses—Mrs. F. A. Constable, Mamaroneck, N. Y. (James Stewart, gardener), first prize.

Four pots schizanthus—Geo. W. Perkins, first prize.

Vase of 50 assorted roses—Mrs. F. A. Constable, first prize.

Hydrangea plants—Geo. W. Perkins, A. F. F.

PHILADELPHIA

NEW YORK

WASHINGTON

OFFICIAL
S. A. F.

Shipping Labels



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Everything in Cut Flowers.



PERCY B. RIGBY, Treasurer.

Everything in supplies.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red
Price per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago

Boston.

BUSINESS PICKS UP.

We are glad to report that trade is brighter than last week. The double violet, we are told, has had a rocky road this winter. Lilies are coming in crates to the wholesalers. The plants we have seen are very good. The flowers generally are large. Roses and carnations seem to have taken on new life again. Trade in these flowers has brightened somewhat, and there are orders already in for large quantities for Easter. There were abundance of shamrock plants everywhere. Prices ruled lower than in former years.

THE SPRING SHOW.

The spring show of the Massachusetts Horticultural Society opened Friday, March 14, and continued until Sunday night. It was the best show we have seen in the hall for many years. Everything was of high order and well grown and fit to please the most exacting. Had M. H. Walsh of Woods Hole, and Thomas Roland of Nahant exhibited, it would have seemed like an old-time show, but those gentlemen are going to the Third International Show and what Boston has lost, will be New England's gain in New York. Never have we seen anywhere anything to surpass the carnation, rose and violet sections. Wm. Sim's violets and sweet peas were grand. The violets won a silver medal. The private gardener with foliage and spring flowers certainly woke up. Duncan Finlayson should be highly commended. He had a large block of foliage and flowering plants in the lower hall. Among them was a fine acacia pubescens, the biggest plant we have ever seen, and the honor of taking first prize for table decoration with six retail dealers as his opponents speaks well for Mr. Finlayson. The table was simplicity itself, a vase of pink sweet peas arranged loosely completed the center piece and the entire arrangement was simply and neatly done. Mr. Finlayson feels that he can take his friends to some swell hotel in the near future and stand a dinner on his successes. Mrs. J. L. Gardner received first and second prizes for groups of spring plants. R. J. Farquhar staged an elegant table of cyclamens. The Hittinger Fruit Co. and C. H. Stone & Co., showed splendid rhubarb, lettuce, mushrooms and artichokes. In the carnations, Peter Fisher, Ellis, received a silver medal for Georgious. —Pembroke was the largest exhibitor of these flowers. Others were S. J. Goddard, M. A. Patten & Co., Wheeler & Co., H. Stevens, Scott Bros. and Strout's. The Cottage Gardens had Matchless and The Herald, the Chicago Carnation Co.'s fine scarlet was shown in good shape. In roses, the Waban Rose Co. and M. Elliot were the only exhibitors, but their exhibits were something out of the ordinary. Mrs. Chas. Russell, by the Waban Co., received a silver medal. Pink Killarney, by Wm. Elliot, first prize. This vase of Killarneys we never saw equalled at any show. Wm. Elliot's Richmond, Christy Miller and Lady Hillingdon, were simply wonderful. We never have seen Hillingdon in such good shape as he had it and his Christy Miller is a wonderful rose. A. N. Pierson, Inc., Cromwell, Conn.,

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Mention the American Florist when writing

Wholesale Flower Markets

NEW YORK, March 19.		Per 100
Roses, Beauty, special.....	50 00@60 00	
" " extra and fancy ..	25 00@35 00	
" " No. 1 and No. 2....	2 00@12 00	
" Bride, Bridesmaid special.	5 00@ 8 00	
" " extra and fancy.....	3 00@ 4 00	
" " No. 1 and No. 2.....	1 00@ 2 00	
" Killarney, My Maryland....		
" " special.....	8 00@10 00	
" " extra	4 00@ 6 00	
" " No. 1 and No. 2 ..	1 00@ 3 00	
" " Queen, special.....	10 00@12 00	
" " Red, special.....	10 00@12 00	
" Hillingdon, Aaron Ward.....	10 00@12 00	
" Richmond.....	8 00@12 00	
" Sunburst, special.....	6 00@15 00	
" Taft, special.....	12 00@15 00	
" Mrs. Geo. Shawyer, special.....	15 00@20 00	
Carnations.....	2 00@ 4 00	
Jonquils.....	1 00@ 1 50	
Cattleyas.....	20 00@35 00	
Gardenias.....	10 00@30 00	
Tulips.....	1 00@ 1 50	
Lilies, Longiflorum and Harrisii ..	8 00@10 00	
L. Rubrum.....	10 00	
Lily of the Valley.....	1 00@ 3 00	
Sweet Peas, per doz, bunches, ..	50@1 00	
Violets.....	20@ 35	
Adiantum Croweanum.....	15@ 50	
Asparagus Plumosus, doz, bchs, ..	1 50@ 3 00	
Smilax.....	per doz, strings, 1 00@ 1 25	
Lilac.....	per bunch, 25@75c	

exhibited his rose Milady, and F. R. Pierson showed ferns. F. J. Dolansky, Lynn, Mass., orchids and gardenias. Prof. Sargent sent a good variety of seedling azaleas, some very unusual and pleasing colors. These were one of the attractions of the show for the private gardeners. A good show of apples of all varieties, in the small hall, had many fine exhibits. We are pleased to report an unusual interest awakened in the spring shows. The society offers good prizes and there is no reason why the old time interest and rivalry cannot be revived. Visitors included: W. A. Manda, Orange, N. J.; and R. Frothingham. The latter says if he stays in Boston much longer, he may get acclimated and make it his home. This speaks well for this city, from this globe trotter.

MAC.

Philadelphia Notes.

Gus Doemling of Lansdowne is also making a large addition. He has taken up the parcel post delivery system, advertising through the daily press that he will sell at retail and deliver in that manner. Here is a plan by which a grower may become a retailer over night. No experience necessary except that which may come after.

John Stephenson's Sons of Oak Lane are about to add to their large house another of the same length, making a total of over 57,000 square feet under one roof. The Lord & Burnham Co. has the contract.

K.



HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St., NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere. Prompt and satisfactory. Consignments solicited.

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Geo. C. Siebrecht

WHOLESALE FLORIST

109 West 28th St., NEW YORK

Tel. 608 and 609 Madison Square

CONSIGNMENTS SOLICITED

Guttman Flower Growers Co.

A. J. GUTTMAN, President.

Wholesale Florists

Removed to 102 W. 28th St., New York

Phone 1912 and 7983 Madison Square.

18 Years Experience.

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Florists' Telegraph Delivery

(Retailers' Section—S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to

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| Albany, N. Y., 40 and 42 Maiden Lane, | Danker, Fred A. | Mt. Clemens, Mich., | Von Boeselager, August |
| Atlantic City, N. J., 1505 Pacific Ave., | Berke, Geo. H. | Mt. Vernon, N. Y., Columbia Ave. | Dummett, Arthur |
| Augusta, Ga., | Stulb's Nursery | New Castle, Pa., N. Mercer St., | Butz Bros. |
| Bloomington, Ill., 318 N. Main St. | Washburn, A. & Sons | Newark, O. | Duerr, Chas. A. |
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| Chicago, Ill., 2223 W. Madison St., | Schiller, The Florist | Norwich, Conn. | "Reuter's" |
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| Chicago, Ill., 22 E. Elm St. | Wienhoeber Co., Ernst | Omaha, Neb., | Hess & Swoboda |
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| Colorado Springs, Colo. | Crump, Frank F. | Poughkeepsie, N. Y. | Saltford Flower Shop |
| Council Bluffs, Ia., 321 Broadway | Wilcox, J. F. & Son | Rochester, N. Y., 25 Clinton Ave. | Keller & Sons |
| Danville, Ill. | Smith, F. B. & Sons | Rockford, Ill. | Buckbee, H. W. |
| Dayton, O., 112 S. Main St. | Heiss Company | Scranton, Pa. | Clark, G. R. |
| Denver, Colo., 1643 Broadway | The Park Floral Co. | Seattle, Wash., 1534 Second Ave. | Hollywood Gardens |
| Detroit, Mich., 153 Bates St. | Bemb Floral Co., The L. | Sioux City, Iowa, | Rennison Company, J. C. |
| Detroit, Mich., Gratiot Ave. and Broadway, | Breitmeyer's Sons, John | Sioux City, Ia., 405 Douglas St. | Rocklin & Lehman |
| | Weiland, M. | Spokane, Wash., 11 Post St. | Hoyt Bros. Co. |
| Evanston, Ill., 602 Davis St., | Southwestern Seed Co. | Springfield, Mass. 378 Main St. | Aitken, Mark |
| Fayetteville, Ark., 18 W. Center St., | Pillsbury, I. L. | St. Joseph, Mo. | Stuppy Floral Co. |
| Galesburg, Ill. | Smith, Henry. | St. Louis, Mo., 7th and Washington Ave., | Grimm & Gorly |
| Grand Rapids, Mich., Cor. Monroe and Division Aves., | Coombs, John F. | St. Louis, Mo., 7041 Florissant Ave. | Meinhardt, Fred. A. |
| | Highland Park Greenhouses | St. Paul, Minn., 24 W. 5th St. | Holm & Olson |
| Hartford, Conn. | Bertermann Bros. Co. | Terre Haute, Ind., 139 S. 7th St | Aeinl, John G. & Son |
| Highland Park, Ill., | Labo Joseph | Toledo, O., 336 Superior | Freeman, Mrs. J. B. |
| Indianapolis, Ind., 241 Massachusetts Av., | Van Bochove & Bros. | Toledo, O., 2941 Cherry St. | Suder, Mrs. E. |
| Joliet, Ill., Hobbs Bldg. | Murray, Samuel | Topeka, Kas., 112 W. 8th Ave., | Mrs. Lord's Flower Room |
| Kalamazoo, Mich., 141 S. Burdick St. | Rock, W. L. Flower Co. | Washington, D. C., 1214 F St. N. W. | Gude Bros. Co. |
| Kansas City, Mo., 913 Grand Ave. | Gammage & Son J. | Washington, D. C., 14th and G St. | Small, J. H. & Sons |
| Kansas City, Mo., 1116 Walnut St. | Baumer, August R. | Wheeling, W. Va. | Langhans, Arthur |
| London, Ont., Canada. | Schulz, Jacob | Wichita, Kans., 145 N. Main St. | Mueller, Chas. P. |
| Louisville, Ky., Masonic Temple, | Windmiller Co., The | Zanesville, O., 54 N. 5th St. | Imlay Company, The |
| Louisville, Ky., 550 S. Fourth Ave. | | Youngstown, Ohio, 41 North Phelps St., | Kay, Geo. W. |
| Mankato, Minn. | | | |

A meeting of the Florists' Telegraph Delivery will be held April 9th at 10 A. M., National Flower Show, to which all Retailers interested in Telegraph business, whether members of F. T. D. or not, are cordially invited to attend.

Washington.

The last meeting of the Florists' Club was one of the largest they have had in some time on account of the annual election of officers. It was the first time that the club has ever had so many candidates. The election resulted as follows: Otto Bauer, president; Geo. H. Cooke, vice-president; Elmer Maybury, secretary; Wm. H. Gude, treasurer; David Bissett and Wm. Ernest, directors.

Mrs. Freeman sent a very handsome vase of Pink Enchantress and White Perfection carnations for the club members to enjoy, none of the flowers measuring less than four inches. — Burns of the Agricultural Department also sent some very fine flowers which were greatly admired for their size.

The local florists will be well supplied with Easter stock, such as azaleas, rambler roses and Pink Pearl rhododendrons of which there are plenty of home grown.

Mrs. Geo. H. Cooke was taken very suddenly ill, March 13, but according to later reports was resting very nicely and out of all danger.

A. and W. Gude are looking over the Easter stock of plants at Philadelphia and New York.

Visitors: Wm. Craig, Jos. Goudy and Sidney Bayersdorfer of Philadelphia, Pa.

St. Patrick's day called for the usual amount of green decoration.

Arthur Elliott has accepted a position with Geo. H. Cooke.

Bowdler Bros. report business very good in the new store.

G. C. D.

Syracuse, N. Y.

Two recently erected greenhouses belonging to Bannister Bros., Syracuse, N. Y., were demolished by a severe windstorm Saturday afternoon, March 15, and Harry Bannister, a member of the firm, who was in one of the buildings at the time, narrowly escaped death. The loss is placed at \$10,000, roses, carnations, and Easter plants being destroyed along with the buildings. One of the houses was 30x200 feet and the other 30x100. The following account of the storm is reprinted from the Syracuse Herald:

The greenhouses of Bannister Brothers on the Genesee turnpike was the scene of the greatest damage in the immediate vicinity of Syracuse. The two largest of the five greenhouses were left but a mass of broken glass and twisted supports. These houses were filled with hundreds of rose and carnation plants, just starting to bloom. Every plant was destroyed. Pieces of iron pipe, glass and a number of flower pots were hurled through the panes in the other greenhouses. Many Easter lilies and other tender plants were killed by the inrush of cold air. For a hundred feet around the greenhouses, the ground is covered with broken glass. Harry Bannister, 40 years old, one of the members of the firm, was watering the roses in one of the collapsed buildings at the time. Without an instant's warning the crash came and he was buried in the ruins. In some miraculous manner he escaped from being seriously injured or being instantly killed by the tons of falling glass and iron roof supports. Mr. Bannister was fortunate to escape with a few cuts about the face and body.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

DULUTH, MINN. 

2 STORES 2

 SUPERIOR, WIS.

J. J. LEBORIUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave., Phone 6800 01-02 Prospect.

339 to 347 Greene Ave., Phone 3908 Prospect.

Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Terre Haute, Ind.

John G. Heini & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Chicago.

A. LANGE,

25 E. MADISON ST.

Mention the American Florist when writing

Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.

623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

March 22.

FROM ST. JOHN. Gramplan, Allan. Caledonia, Anchor, 9 a. m., Pier 64, North River.

Carpathia, Cunard.

Niagara, French.

St. Paul, American, 9:30 a. m., Pier 62, North River.

FROM PHILADELPHIA. Merion, American, 10 a. m.

Zeeland, Red Star, 10 a. m., Pier 61, North River.

FROM PORTLAND. Canada, White Star, 10 a. m.

George Washington, North Ger. Lloyd.

Martha Washington, Austro-American, 1 p. m.

Russia, Russian-American, 2 p. m.

Vestris, Lamport & Holt, 9 a. m.

March 25.

Potsdam, Holland-America, 10 a. m.

Hypatia, Houston.

Scottish Prince, Prince.

Austrian Prince, Prince.

March 26.

Majestic, White Star, 12 noon.

March 27.

FROM ST. JOHN. Lake Manitoba, Can. Pacif., 12 noon.

Megantic, White Star, 12 noon.

K. Auguste Victoria, Ham.-Amer., 10 a. m.

Barbarossa, North Ger. Lloyd, 10 a. m.

Oscar II, Scand.-American, 2 p. m.

FROM ST. JOHN. Athenia, Donaldson.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONWELL, Western Union Code.

Memphis, Tenn.

HAISCH'S

Madison and Main Streets

L. D. Phone 726

All orders will be filled carefully and promptly delivered in Memphis and all other Tennessee cities.

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Mention the American Florist when writing

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

Member Florists' Telegraph Delivery.
Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery
Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will execute orders for any
town in
MISSOURI, KANSAS OR OKLAHOMA.
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.
Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40
LONG DISTANCE No. 40
Careful Attention To All Orders.

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Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Boston, Mass.



'Penn, The Telegraph Florist'

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St. TELEPHONES
1501 and L 1582

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Carbone, Philip L., Boston.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Haisch's, Memphis, Tenn.
Heini & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthewson, J. E., Sheboygan, Wis.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McClunie, Geo. G., Hartford, Conn.
McConnell, Alex, New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Ostertag Bros., St. Louis.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pellicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Phillips Bros., Newark, N. J.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wan. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Wills & Segar, London, England.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 58 E. Randolph St., Chicago.
Wolfeskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

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John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery
Mention the American Florist when writing



WASHINGTON
D. C.

Gude's

Members Florists' Telegraph Delivery.
Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery
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Denver, Colo.

The Park Floral Co.

J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

FLOWERS BY TELEGRAPH

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PELICANO, ROSSI & CO.,

123 KEARNY ST.

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"The Saltford Flower Shop."

Vassar College and Bennett School.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.
Mention the American Florist when writing

M. A. Bowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dis. Phones.

Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE

Montreal

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

FLOWER COLORS

Use our Color Chart in describing them.

PRICE, \$1.00, POSTPAID.

AMERICAN FLORIST CO.

440 South Dearborn Street, CHICAGO

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

**City Index to Retail Florists'
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Penn. the Florist, 43 Bromfield St.
Boston—Philip L. Carbone.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Hartford, Conn.—Geo. G. McClunie.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Memphis, Tenn.—Halsch's.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio—Chas. A. Duerr.
Newark, N. J.—Phillips Bros.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
Sheboygan, Wis.—J. E. Mathewson.
St. Louis, Mo.—Ostertag Bros.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pelicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Heintz & Son.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Blackstone.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to
orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in

NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.

Jefferson and Washington Ave.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of
GEORGE ASMUS, Mgr.
Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

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PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

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Mrs. J. B. Freeman

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336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

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Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

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NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

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Florist and Decorator

342 Boylston Street,

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Member of the Florists' Telegraph Delivery.

PHILIPS BROS, 938 Broad St.

NEWARK N. J.

Artistic Floral Work and Long Stem
Beauties Our Specialty.

Hartford, Conn.

GEORGE G. McCLUNIE

187 Main Street

'FLOWERS' Your Orders Solicited

My Only Store. Phone Charter 6535-2

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Morris County Gardeners and Florists.

"Carnation night," in Madison, N. J., was a great success. We never had better blooms, and the novelties were as fine a lot as we ever had in one year. Matchless, from the Cottage Gardens, would set you wondering. Enchantress Supreme, from Daille-douze Bros., Brooklyn, N. Y., would make you wonder what Enchantress will do next. Northport, from James D. Cockcroft, Northport, R. I., was also very fine. Dimple Widener, from Wm. Kleinheinz, Ogontz, Pa., was another excellent flower shown. Wm. Eccles, from Scott Bros., Elmsford, stood up in beautiful contrast to its lighter colored competitors on the stage. Salmon Beauty, from Traendly & Schenck, New York, won great admiration. All the above were awarded certificates of merit where they had not previously won the same honor.

Among the standard varieties, Wm. H. Duckham had Mrs. C. W. Ward and Wodenethe, very fine flowers. Robert Tyson had Wodenethe, which did him great credit. Percy D. Whitney had Mrs. C. W. Ward and Wodenethe, a very creditable display. Ernest Wild, gardener to Chas. W. Harkness, had some splendid plants of Schizanthus Westonensis. The committee awarded him a \$5.00 gold piece in addition to his cultural certificates. C. J. W. Ottolander gave a talk on shrubs and trees, as seen by him at the Arnold Arboretum. Wm. H. Duckham and C. H. Totty, appealed to all to do what they could to help make the Third International Flower Show a success. Z. R.

Kansas City, Mo.

**Geo. M. Kellogg
Flower & Plant Co.**

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

Louisville, Ky.

**F. Walker & Co.,
FLORISTS**

Phones: Home 1388. Cumb. Main 1388A.

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Mention the American Florist when writing

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

**URIAH J. VIRGIN, —838—
CANAL ST.**

Mention the American Florist when writing

Washington, D. C.

Blackistone

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Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries
throughout the state and to all steamship docks
in Hoboken, N. J., and New York.

Mention the American Florist when writing

For Wisconsin Delivery

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"HOME GROWN FLOWERS"

Get in touch with

**J. E. Matthewson
SHEBOYGAN, WISCONSIN**

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Choice Plants

Large Supply of Fine Decorative Plants, Palms and Table Ferns.
Send all orders direct to plant department.



DECORATIVE STOCK

Ficus Pandurata, strong, 6-inch \$3.50 each
Ficus Elastica, strong, 6-inch 75c to \$1.00 each
Dracaena Massangeana, well colored, 6-inch, \$1.00 to \$1.75 each
Pandanus Veitchii, highly colored, 5-in., \$1.00 each;
 6-in., \$1.50 each; 7-in., \$2.50 each

Palms

Kentia Forsteriana and Belmoreana, all sizes from 4 to 12-inch
 tubs in fine condition. Fine decorative stock ranging in price from
 35c to \$15.00 per plant.

Table Ferns==10 Varieties

2 1/4-in. pots, \$3 50 per 100; \$30.00 per 1000.
 3 in., strong, \$6.00 per 100; \$55.00 per 1000

POEHLMANN BROTHERS CO.
MORTON GROVE Plant Department **ILLINOIS**

FREE

This Budding Knife



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employees. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employees) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,
 440 So. Dearborn Street, CHICAGO.

FREE

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

J. C. VAUGHAN, Chicago, has returned from Florida.

DAKOTA grown seed potatoes are in good demand.

A. H. GOODWIN, of the W. W. Barnard Co., Chicago, arrived in New York from Europe March 19.

IN that Indiana onion item last week, a stenographic error made us say sets where seed was intended.

SAN FRANCISCO, CALIF., March 17.—There was heavy rain today all over the valley, with good prospects for more.

NEW YORK.—H. A. Naldrett, representing Kelway & Son, Langport, Eng., arrived on the S. S. Philadelphia last week.

CHICAGO.—Prices on the Board of Trade March 19 for grass seed were noted as follows: Timothy, \$3 to \$4 per 100 pounds.

COMPLAINT of slow mail order trade among the seedsmen is general. Orders should come with a rush during the next ten days.

WE are without any further advice regarding J. E. Northrup's condition. His many friends are anxiously hoping for his early improvement.

VISITED CHICAGO: Ralph M. Ward and J. Halsey Reock, New York; Geo. C. Thompson, representing Northrup, King & Co., Minneapolis, Minn.

ONION SET prices have taken a quick jump at Chicago during the past ten days. Yellows are very scarce and selling at \$1.65 to \$1.75, whites a trifle less; dark reds about \$1.40.

THE promotion of old employees in the Department of Agriculture under the new Secretary would indicate on the face of it that the Jas. Wilson policies are to be continued in that branch of the government.

ONE Tom Pankey, a seed broker at Atlanta, Ga., is said to have practiced methods in his bean contract operations which should entitle him to serious consideration by the Credit Bureau of the Seedsmen's League.

JAPANESE Lily Bulb growers are said to have made planting of giants in the Lake Biwa District in the southern part of Japan with results unsatisfactory to forcers of these bulbs. It seems while that soil and climate produced bulbs quickly, the same were soft and made poor bulbs for ice storage, lacking solidity and long keeping quality.

THOMAS J. GREY, founder, and manager of the Thomas J. Grey Co., for the past twenty-three years, has severed his connection with this concern and is now associated with Joseph Breck & Sons, Corp., 51-52 North Market St., Boston, Mass., where he will be pleased to meet his old friends and patrons. Mr. Grey's long and honorable record merits every success with this well known concern.

Free Seeds.

Our congressman, who dies and bleeds, to guard our sacred banner, sent me a bunch of garden seeds, all in the oldtime manner. Oh, there are seeds of beets and peas, and early June tomatoes, and there are seeds of Switzer cheese and German fried potatoes. And I may have an onion bed, in greens I'll take a flyer; and I may raise a cabbage head to smoke in my old briar. And yet it seems this bunch of seed a hopeless grist of bosh is; there are so many things I need much more than peas or squashes! Our congressman, who bleeds and dies, to keep the flag a-flaunting, should make an effort to get wise to what we're really wanting. I'd like to have a chug-chug cart, to ease my corns and bunions, and O, it breaks my world-worn heart, to get a pack of onions! I'd like to have a widespread frame, like that of Taft or Perkins, and so it seems a seedy game to load me down with gherkins. I'd like to see my daughters wear swell lids and silken dresses, and here I get, to my despair, some wilted watercresses! Our congressman, who sheds his blood when perils brood and grumble, has got a headpiece full of mud—he ought to take a tumble.—Walt Mason

Catalogues Received.

Vaughan's Seed Store, Chicago, seeds, plants, supplies, etc.; Fottler, Fiske, Rawson Co., Boston, Mass., seed annual; Storrs & Harrison Co., Painesville, O., seeds, plants, etc.; W. Atlee Burpee & Co., Philadelphia, Pa., prize supplement; J. Bolgiano & Son, Baltimore, Md., seeds and supplies; Conard & Jones Co., West Grove, Pa., roses; Wagner Park Nursery Co., Sidney, O., nursery stock; Archias Seed Store, Sedalia, Mo., seed annual; Wm. Tricker, Arlington, N. J., water lilies, hardy perennials, etc.; The Advance Co., Richmond, Ind., ventilating apparatus and greenhouse fittings; Bertrand H. Farr, Wyomissing, Pa., hardy plants; Winterson's Seed Store, Chicago, garden guide; State Nursery Co., Helena, Mont., seeds, plants, trees, etc.; Portland Seed Co., Portland, Ore., seeds; Peter Henderson & Co., New York, farmers' manual; James Vick's Sons, Rochester, N. Y.,

garden and floral guide; F. A. Sherman Co., Albany, N. Y., seed annual; Thos. J. Grey Co., Boston, Mass., seeds, plants, supplies, etc.; Clarke Bros., Portland, Ore., roses, hardy plants, etc.; Griswold Seed Co., Lincoln, Neb., seeds; M. Rice Co., Philadelphia, Pa., Easter baskets; B. Hammond Tracy, Wenham, Mass., gladioli; F. W. Dixon, Holton, Kans., small fruit plants; Valdesian Nurseries, Bostic, N. C., nursery stock; Guelf's Seed Store, Brockport, N. Y., plants and bulbs; F. H. DeWitt & Co., Wooster, O., geraniums and pelargoniums; Imlay Co., Zanesville, O., seeds, plants and flowers; Fischer-Sweeny Bronze Co., Hoboken, N. J., turbine ejector pumps; Colorado Seed & Nursery Co., Denver, Colo., special wholesale list of seeds; Willett & Wheelock, North Collins, N. Y., wholesale list of grape vines and small fruit plants; Olaf J. Wingren, La Conner, Wash., dahlias, roses, etc.; H. D. Garwood, Rocky Ford, Colo., facts about Rocky Ford cantaloupes and seed; Leesley Bros. Nurseries, Chicago, wholesale spring list of nursery stock; A. M. Ferguson, Sherman, Texas, annual seed letter; Clinton Falls Nursery Co., Owatonna, Minn., surplus list of nursery stock.

Charles Sharpe & Co., Sleaford, England, general list of seeds, etc.; Kelway & Son, Langport, England, special contract offer of vegetable and farm seeds; V. Lemoine et Fils, Nancy, France, plant novelties; Ditlev, Eltzholtz & Co., Ringe, Denmark, seeds; G. Zeestraten & Son, Oegstgeest, Holland, trade list of gladioli; Wed. H. H. Broeckmans & Zonen, Amsterdam, Holland, seeds; Carl Beck & Co., Quedlinburg, Germany, seeds; Friedr. C. Pemrencke, Altona-Hamburg, Germany, seeds; Raynbird & Co., Basingstoke, England, seed corn and farm seeds; Perry's Hardy Plant Farm, Enfield, Middx., England, perennial seeds; Thompson & Morgan, Ipswich, England, special trade list of hardy herbaceous and alpine plants.

Peas and Beans

GROWERS

Importers and Exporters

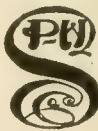
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Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

BRASLAN SEED GROWERS COMPANY, INC.

ONION, LETTUCE, CARROT and RADISH SEED

San Jose, California

J. W. EDMUNDSON, Manager

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California Seed Growers Association, Inc.

Growers for Wholesale Dealers
SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS



H. WREDE LUNEBURG, GERMANY PANSY SEED

180 First Prizes, the highest awards Chicago, Paris, London, Bruxelles.

1000 seeds, finest mixed... 25c
1 oz. \$2.25

Price list on application.

Cash with order

DAMMANN & CO.,

Seed Merchants to His Majesty the King of Italy
SAN GIOVANNI A TEDESCO, near Naples

Headquarters for CAULIFLOWER and WHITE
TRIPOLI ONION SEED, (Crystal Wax), and
all other VEGETABLE and FLOWER SEEDS
THE LARGEST GROWERS IN ITALY.

Established 1877.

Wholesale Catalogue in English, (containing also
all Italian specialties). Special Offers and
Italian Catalogue on application.

Western Seed & Irrigation Co.

Wholesale Seed Growers and Dealers

SPECIALTIES:

Sweet, Flint and Dent Corn; Cucumber,
Musk and Watermelon; Pumpkin and
Squash.

FREMONT : NEBRASKA

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

R. & M. GODINEAU, SEED GROWERS,

Angers - France.

Specialties: Beets, Mangoes, Carrots, Cabbages,
Celeries, Parsleys, Parsnips, Turnips.

Growing Crops Given Personal Attention.

Mention the American Florist when writing

CONTRACT SEED GROWERS

Pepper, Asparagus, Tomato, Musk and
Water Melon. For sale: Asparagus,
Horse Radish and Rhubarb Roots.

Correspondence Solicited.

J. E. Hoopes & Co.

P. O. Box 38

MUSCATINE, IA.

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.

Correspondence Solicited.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin.
Sweet, Flint and Dent Seed Corn

Lawn Grass

BULK

CASES

OUR STANDARD MIXTURES,

Dickinson
Evergreen

Greensward
Pine Tree

are high grade and should meet all general requirements.
Special mixtures furnished if desired. We also carry a
full line of fancy domestic and imported grasses.

The Albert Dickinson Co.

Minneapolis, Minn.

Chicago, Ill.

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Mention the American Florist when writing

RATEKIN'S SEED CORN

OLDEST ESTABLISHED AND LARGEST WHOLESALE AND CONTRACT SEED CORN
GROWERS IN THE UNITED STATES: Have made this our specialty for over thirty years. We
grow all the leading standard, best varieties of field Dent, Flint, and Sweet sugar corn, for the
Wholesale Trade. Write or wire us for prices and quotations for immediate or future shipments,
also for contract growing prices for 1914 delivery; stating probable quantities of different varie-
ties, etc., etc.

RATEKIN'S SEED HOUSE, Shenandoah, Iowa

Mention the American Florist when writing

LAWN GRASS SEED

WHOLESALE ONLY

J. OLIVER JOHNSON

1874-76 Milwaukee Avenue

CHICAGO, ILL.

Mention the American Florist when writing

PERENNIAL RYE GRASS SEED

Fall Importation. \$3.75 per 100 lb. bag, f. o. b.

AVENUE FLORAL CO.,

3442 St. Charles Ave.

NEW ORLEANS, LA.

Mention the American Florist when writing

Onion Seeds--Onion Sets

We are Extensive Growers and Dealers
Write for prices on the 1912 crop.

We are also submitting contract figures
for the 1913 crop of Onion Seed.

SCHILDER BROS., Chillicothe, O.

Mention the American Florist when writing



TUBEROSES

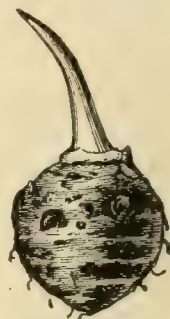
True Dwarf Pearl.	Per 1000
First Size, 4-6-inch	\$ 9.00
Medium, 3-4-inch	4.50
Mammoth, 6-8-inch	13.00

CALADIUMS (Esculentum)

5 to 7-inch	\$15.00
7 to 9-inch	30.00
9 to 11 inch	55.00

GLADIOLUS Per 1000

Mrs. Francis King , medium size	\$15.00
Augusta , first size	16.00
medium size	13.00
America , first size	(3,000 for \$70.00) 25.00
medium size, while unsold	20.00
Kunderdi Glory , first size	40.00
Chicago White , the one best early	50.00



Tuberous Rooted Begonias

	Per Doz.	100	1000
Single Sorts, white, scarlet, yellow, pink	\$.40	\$2.50	\$22.00
Single Sorts, mixed	.35	2.25	20.00
Double Sorts, white, scarlet, yellow, pink	.65	4.50	40.00
Double Sorts, mixed	.60	4.00	37.50

GLOXINIAS

Grassifolia Grandiflora

All the spotted and Tigered variations in sound bulbs. Doz. 100
 Separate colors. \$.60 \$3.50
 Choice mixture .50 3.20

LILY BULBS

	Per 100
Album , 9-11 inch	12.50
Auratum , 9-11 inch	10.00
Rubrum , 8-9 inch	6.00
Rubrum , 9-11 inch	9.00

VAUGHAN'S SEED STORE

GREENHOUSES AND NURSERY, WESTERN SPRINGS, ILL.

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPENTERIA, CALIF.

SEEDS

Best that grow. We sell direct to gardeners and florists at whole sale. Big, beautiful catalogue free. Write today.

ARCHIAS SEED STORE, Box 98, Sedalia, Mo.

AURORA, ILL.—The W. B. Davis Co., florists, has incorporated with a capital of \$43,500. The incorporators are W. B. Davis, Mildred Davis and Otto Fisk.

DENVER, COLO.—A floricultural hall to cost from \$20,000 to \$25,000 may be erected at the city park. Plans are now being considered by the park board.

CONCORD, N. H.—H. D. Whitney & Sons report a rapidly increasing business. Their greenhouses of the Hitch-ins construction are of the most modern type.

COLORADO SPRINGS, COLO.—The J. W. Smith greenhouses suffered a loss of \$10,000 as a result of a recent fire. The heating plant was destroyed and the flowers and vegetables killed by the cold.

ANDOVER, MASS.—The committee in charge of the annual flower show, to be held here September 5-6, has issued the list of prizes to be awarded. A copy may be had on application to Harry Playdon or Herbert F. Chase.

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
 Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
 New York

ROSES, CARNATIONS,

PLANTS, SEED, BULBS.

Send us your wants. We will take care of them. We supply stock at market price. Catalogue for the asking.

S. S. SKIDELSKY & CO.,
 1215 Betz Building, PHILADELPHIA, PA

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
 Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,
 PEDRICKTOWN, N. J.

Mention the American Florist when writing

S. D. WOODRUFF & SONS

SEED GROWERS

Dealers in Garden, Field and Flower Seeds
 Specialties, Potatoes, Onion Sets, Garden and
 Flower Seeds. Contract Taken

Catalogue Free. ORANGE, CONN.

82 & 84 Dey St. NEW YORK

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VICK Quality VICK

Aster Seed

Aster Book Now Ready

Aster Book and Wholesale Catalogue of Best Quality Seeds for Florists and Commercial Growers

James Vick's Sons

ROCHESTER, N. Y.

Mention the American Florist when writing

FRANZEN'S SEEDS SURE TO GROW

Asters, Queen of the Market	oz. \$0.50
Ageratum, Blue	oz. \$0.60
Allysum, Little Gem	.75
Lobelia, Emperor William, Blue	.75
Pansy, Giant Strain	1.25
Petunia, Superfine Mixed	.75
Phlox, Drumundii Mixed	.55
Stock, Ten Week Double	1.00
Verbena Hybrida, Mixed	.55
F. O. FRANZEN, 1476 Summerdale Av., Chicago	

Send for trade list.

Mention the American Florist when writing

Beautiful Double-Flowering Hybrid Pyrethrums.



We believe this is the first time that an offer of named varieties of these beautiful Double Pyrethrums (home grown stock) has appeared in this journal. We have a splendid lot of strong 4 and 5-inch pots, which if planted early will give an abundance of bloom this season. The varieties offered are all select standard sorts.

Alfred. Bright crimson, of fine form.

Aphrodite. An extra fine pure white.

Figaro. A splendid rosy-lake.

La France. A fine rosy-pink.

La Vestal. White with silvery rose.

Lord Roseberry. Brilliant carmine red.

Mont Blanc. A fine double white.

Ne-Plus-Ultra. Delicate blush white.

Niobe. Beautiful flesh colored.

Princess de Meternich. Splendid large white.

Roi de Rouges. Fine crimson red.

The Bride. Very double, pure white.

Valkyrie. Very large, long petaled, silvery rose.

Yvonne Cayeux. Large pure white with creamy center.

Any of the above varieties in strong 4 and 5-inch pots, \$2.50 per doz.; \$20.00 per 100. One each of the above 14 varieties for \$3.00.

Our new Wholesale List has just been distributed and besides offering the most complete up-to-date list of Hardy Perennials of a quality to give quick and satisfactory results, also offers a most complete list of other seasonable stock in all lines. If you have not received a copy please write for it.

HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

The above prices are intended for the trade only

Best Grafted Rose Stock

Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000; \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill. Killarney Queen, \$15.00 per 100; \$120.00 per 1000.

Own Root Stock

White Killarney, Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6.00 per 100, \$55.00 per 1,000. Richmond, 2½-inch, \$5.00 per 100; \$45.00 per 1,000.

The above is All select stock and a big bargain at the prices quoted.

NOTE: The next lot of CARNATIONS, including the following varieties, will be ready March 30, 1913.

	R. C. per		2½ in. per			R. C. per		2½ in. per	
	100	1000	100	1000		100	1000	100	1000
WHITE—					PINK—				
White Perfection...	\$2 20	\$20 00	\$3 50	\$32 00	Gloriosa.....	3 00	27 50	4 00	37 50
White Enchantress	2 20	20 00	3 50	32 00	Mrs. Ward.....	3 00	27 50	4 00	37 50
PINK—					Enchantress.....	2 20	20 00	3 50	32 00
Rosette.....	6 00	50 00	7 00		RED—				
Lawson.....	2 20	20 00	3 50	32 00	Scarlet Glow.....	3 00	25 00	4 00	37 50
Winsor.....	2 20	20 00	3 50	32 00	Beacon.....	2 20	20 00	3 50	32 00
May Day.....	3 00	25 00	4 00	37 50					

Chrysanthemums.

	R. C. per		2½-in. per			R. C. per		2½-in. per	
	100	1000	100	1000		100	1000	100	1000
WHITE					YELLOW				
Smith's Advance...	\$2 50	\$20 00	\$3 00	\$25 00	Comoleta.....	3 10	25 00	4 00	35 00
Best Early White					Best early yellow, blooms Sept. 27.				
October Frost...	2 50	20 00	3 00	25 00	Golden Glow.....	3 00	25 00	4 00	35 00
Vir. Poehlmann.....	3 00	25 00	4 00	35 00	Halliday.....	2 50	20 00	3 00	25 00
Alice Byron.....	2 50	20 00	3 00	25 00	Chrysolora.....	5 00	40 00	6 50	60 00
Timothy Eaton.....	2 50	20 00	3 00	25 00	Best yellow money maker, blooms Oct. 5-10.				
W. H. Chadwick.....	3 00	25 00	4 00	35 00	Col. Appleton.....	2 50	20 00	3 00	25 00
					Major Bonaffon.....	2 50	20 00	3 00	25 00
					Immense stock, still one of the best.				
					Yellow Eaton.....	2 50	20 00	3 00	25 00
					Golden Chadwick.....	3 00	27 50	4 00	35 00
					Best late yellow.				

	R. C. per		2½-in. per	
	100	1000	100	1000
PINK				
Patty.....	3 00	25 00	4 00	35 00
Beautiful Enchantress pink, fine strong grower. (3½-in. per 100, \$5.00).				
Unaka.....	4 00	35 00	5 00	45 00
Earliest pink, first week of October.				
McNiece.....	2 50	20 00	3 50	30 00
Maud Dean.....	2 50	20 00	3 50	30 00
Dr. Enguehard.....	2 50	20 00	3 50	30 00
RED				
Schrimpton.....	2 50	20 00	3 00	25 00
BRONZE				
O. H. Kahn.....	4 00		5 00	

We can supply large quantities of the above.

POMPONS—Large stock of the leading commercial varieties. 2½-in., per 100, \$4.00
List of Varieties Upon Application.

Poehlmann Bros. Co., Morton Grove, Ill.



OUR NEW SCARLET CARNATION

THE HERALD

The only Scarlet to win First Prize best 100 Scarlet: Cincinnati, November 1911; St. Paul, November, 1912 and Cleveland, November, 1912. Rooted Cuttings ready now.

\$12.00 per 100; \$100.00 per 1000.

Other varieties also ready for Immediate Delivery:

	100	1000		100	1000		100	1000
Gloriosa, medium pink.....	\$4.00	\$35.00	Enchantress.....	\$3.00	\$25.00	Scarlet Glow.....	\$3.00	\$25.00
Benora, variegated.....	6.00	50.00	White Enchantress.....	3.00	25.00	Washington.....	3.00	25.00
Princess Charming.....	3.00	25.00	Victory.....	3.00	25.00	Rose Pink Enchantress.....	3.00	25.00
			Beacon.....	3.00	25.00	May Day, deep flesh...	3.00	25.00

Very low prices on large lots.

JANUARY CUTTINGS FROM SOIL. Strong healthy plants in the following varieties at \$30.00 per 1000: Enchantress, White Enchantress, Rose Pink Enchantress, Beacon and Victory.

Send us your list for quotations.

CHICAGO CARNATION COMPANY, A. T. PYFER, Mgr. 30 E. Randolph St., CHICAGO, ILL.

Tuberose

DWARF DOUBLE PEARL

\$12.00 per 1000

Excellent Quality.

Lily of the Valley Pips

Cold Storage Berlin and Hamburg.

Per case of 1,000.....\$12.00

Per case of 3,000.....\$32.00

Write for a copy of our Florists' catalog.

J.M. Thorburn & Co

"THE MOST RELIABLE SEEDS."

33 Barclay St. (T12) New York, N. Y.

HAVE LOVELY SHELL-PINK

CREGO ASTER SEED

½ oz., \$1.00; oz., \$2.00; 2 ozs., \$3.50

Sunshine Flower Gardens,
3365 East 139th Street, CLEVELAND, OHIO

Holyoke and Northampton

FLORISTS AND GARDENERS' CLUB.

One of the best meetings of the Holyoke and Northampton Florists and Gardeners' Club was held at the greenhouses of H. W. Field. E. J. Canning called the meeting to order at 8 o'clock. After the reading of minutes, etc., the president called on Prof. F. A. Waugh of Amherst Agricultural College, for his promised lecture on civic improvement. The lecturer had brought along a fine lantern and a large number of slides, showing buildings and landscape effects. The pictures were made from photographs taken in Germany, England and the United States. The society gave Prof. Waugh a hearty vote of thanks for his interesting talk. G. H. Sinclair and Frank Barnard were appointed a committee to consider the advisability of allowing amateurs to join the society as associate members. H. W. Field exhibited a vase of his new carnation Gloria, which was awarded a first class certificate. A small group of cyclamens were also shown from the Smith College con-

SPRING-FLOWERING BULBS

CALADIUMS

With live center shoot

	Doz.	100
5- 7 inch	\$0.30	\$1.80
7- 9 inch	50	3.50
9-11 inch	.85	6.00

GLADIOLI

First size bulbs

	100	1000
America, pink	\$3.00	\$25.00
Francis King, scarlet.....	2.00	18.00
Light and White florists' mixture	1.75	15.00

CANNAS

Two to three-eye roots

	100	1000
Chas. Henderson.....	2.00	18.00
Florence Vaughan.....	2.00	18.00
King Humbertin.....	6.00	.....

TUBEROSES

Dwarf Pearl

	100	1000
First Size.....	\$1.00	\$9.00
Second size	.60	5.00

A. HENDERSON & CO., 352 N. Michigan Avenue, CHICAGO

BULBS! BULBS! BULBS!

Send for 1912 Catalog, and get your Bulbs direct from grower (not merchant.)

Sole organizer of the magnificent Exhibition of Flowering Bulbs at the Dutch Village, Ideal Home Exhibition, Olympia, London 1912.

Grower of the Begonias, Hyacinths, Tulips Narcissus etc., for the Gardens of the International Peace Palace at the Hague.

M. J. GULDEMOND,

Wholesale Bulb Grower and Exporter

Lisse, Holland.

servatories, which received an award of merit. Our society, we believe, is establishing a precedent in that in all plants, etc., brought to the meetings considered worthy of certificates of merit, the award made will as far as possible be given the grower. Our heads of private and commercial establishments are broad-minded enough to see that this arrangement will prove a great incentive to their men to do their very best work. The next meeting will be held Tuesday evening, April 8, at the Gallivan greenhouses, at Smith's Ferry. Frank Barnard has promised a talk on cacti, G. Strugael on bulbs and James Whiting on the cultivation of the sweet pea.

FRANK BARNARD, Sec'y.

GLADIOLUS

75,000 Second Size

Fine quality stock of our best fancy mixture, \$6.50 per 1000; \$6.00 per 1000 in 5 or 10 thousand lots. This is our best mixture.

The flowers of these have always taken 1st prize at every place shown.

No. 451. **Fair Maid.** This is one of the finest varieties ever offered, light lavender, broad open flower, fine straight spike, at \$10.00 per 100.

Gladioli Specialty Ass'n.,
HAMPTON, VA.

IN BLOOM FOR EASTER

Hyacinths	Per 100
4 inch.....	\$10.00 to \$15.00
5 inch.....	20.00
Tulips	Per 100
5 inch.....	\$15.00
6 inch.....	20.00
7 inch.....	25.00

All first class Bulbs. Cash with order.

Parkside Greenhouses

LUKE COLLINS, Prop.

1457 East 70th St. CHICAGO

The Early Advertisement Gets There.

Mrs. "Geo. Shawyer"

"The Peerless Pink"

The coming leader in forcing roses. Our neighbors are best customers. They have watched its growth all winter and know its worth!

NEW CARNATIONS

Northport—The leader in the dark pink section. **Commodore**—The freest blooming scarlet we have.

Enchantress Supreme and Salmon Beauty—Two fine sports from Enchantress.

CHRYSANTHEMUMS

Ramapo—Immediate delivery; splendid young stock, 2½ in. pots, \$15.00 per hundred.

Unaka, Gloria, Well's Late Pink and Smith's Advance.

We catalogue over 600 varieties and our catalogue is yours for the asking.

CHAS. H. TOTTY

MADISON, N. J.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School

Dept. A. F., Springfield, Mass.

Mention the American Florist when writing

VERBENAS



Finest in the land, best mammoth varieties, true to name. Seedlings are disappointing, get the true stock, at 70c per 100. \$6.00 per 1000; Mrs. F. Sander, \$1.25 per 100, \$10.00 per 1000. **Coleus**, finest named varieties, a grand collection, at 70c per 100, \$6.00 per 1000. **Fansies**, Roemer's Prize Winners (Germany), large, fine plants, 50c per 100, \$4.00 per 1000. **Daisies**, California and Queen Alexandra, \$1.00 per 100, \$8.00 per 1000. **Ageratums**, 60c per 100, \$5.00 per 1000. **Alternantheras**, three varieties, very strong, 60c per 100, \$5.00 per 1000. **Feverfew**, "Little Gem" (True), \$1.25 per 100, \$10.00 per 1000. **Salvias**, Bonfire and St. Louis, \$1.00 per 100, \$8.00 per 1000. We prepay express.

C. HUMFELD,

The Rooted Cutting Specialist, Clay Center, Kan.

Mention the American Florist when writing

VAUGHAN'S CANNAS

Strong 2-Eyed Bulbs.

	Per 100	Per 1000		Per 100	Per 1000
Beaute Poitevine...	\$ 4.00	\$ 30.00	Long Branch	\$ 6.00	\$55.00
Chas. Henderson...	4.00	30.00	Mad. Crozy	4.00	35.00
Comte de Sach	6.00	50.00	Milwaukee	4.00	35.00
David Harum	4.00	35.00	New Chicago	10.00	90.00
Dwarf Fl. Vaughan	4.00	35.00	New York	5.00	40.00
Egandale	4.00	35.00	Prince Wied	10.00	90.00
Julius Koch	15.00	125.00	The Express	6.00	50.00

250 at the 1000 rate.

Chicago Vaughan's Seed Store New York

Greenhouses and Nurseries, Western Springp, Ill.

ROSE PLANTS, 2½-in. pots

	Per 100	Per 1000
AMERICAN BEAUTIES	\$5 00	\$45 00
WHITE KILLARNEYS	4 00	35 00
PINK KILLARNEYS	4 00	35 00
MELODY	4 00	35 00
SUNRISE	4 00	35 00
RICHMONDS	3 00	25 00

PETER REINBERG,
30 E. Randolph St., CHICAGO.

The Early Advertisement Gets There

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

Prices of Indoor Fruits and and Vegetables.

Chicago, March 17.—Mushrooms, 20 cents to 60 cents per pound; lettuce, 10 cents to 15 cents, small cases; radishes, 10 cents to 35 cents per dozen bunches; pieplant, 40 cents to 50 cents per bunch; cucumbers, \$1.50 to \$3.50 per box of two dozen; asparagus, \$3 for 24 bunches.

New York, March 15.—Cucumbers, \$1.75 per dozen, and \$4 to \$6 per box; mushrooms, 80 cents to \$2.25 per 4-pound basket; tomatoes, 10 cents to 15 cents per pound; radishes, \$1.50 to \$2.50 per 100 bunches; mint, 25 to 65 cents per dozen bunches; rhubarb, 20 cents to 50 cents per dozen bunches; lettuce, 10 cents to 30 cents per dozen; beet tops, 75 cents to \$1.00 per box.

Chicory Forcing.

When we realize that each year more of this popular salad is imported from Belgium, it is a wonder that we do not grow more of it at home. In 1911 the Red Star line alone carried 26,527 twenty-pound baskets to New York. This Whitloof or Brussels chicory is very easily grown and forced. Sow in May, harvest the long, parsnip-like roots in October, cut off the foliage quite short, trim the roots, and they are ready for forcing. The old method was to put in a shallow trench, standing erect, and cover with 8 or 10 inches of fine soil, letting it sift in between the roots. When ready to force, this bed was covered with fresh manure, the heat of which soon started growth. The modern method is to put into frames with bottom heat, which gives surer and quicker results; the covering of finely sifted soil allows the soft shoots to penetrate easily, and blanches it pure white at the same time.

Tomato Notes.

Where tomatoes follow lettuce, it is customary and good practice to plant the tomato plants right among the last crop of lettuce. This may be done at the time of planting the lettuce, or later on one or two half-grown lettuce plants are cut out and a tomato plant put in. Tomatoes are harder than cucumbers and will do fairly well in a lettuce temperature. They may not develop fast, but they surely make the roots which means business later on.

If the tomato plants are pot-grown and strong, it is a good plan to remove some of the lower leaves so as to relieve the lettuce from crowding. After the lettuce is all cut, the supporting strings can be tied directly to the tomato plants doing away with all stakes, screw wires or ground wires. We have done that for years indoors and outside and find it practicable. Under glass tomatoes are generally grown to one stem which is best. Still some operators prefer two stems.

Whatever system is used suckering must be strictly attended to for best results. As soon as the lettuce is all cut, moisture should be reduced to insure solid growth, as good fruiting is not the rule on soft watery growth. Tomatoes dislike syringing, therefore, keep the foliage dry. A top dressing of bonemeal and wood ashes is generally beneficial. After the lettuce is out of the way increase the temperature to 60° at night.

MARKETMAN.

Potato Seed Improvement.

The value of the "tuber-unit" system of potato planting is pointed out in a recent circular issued by the Bureau of Plant Industry. The bureau advises that only the best and most shapely tubers be selected, those ranging from six to eight ounces in weight being preferred. They should be immersed for two hours in a solution of one pint of formalin to 30 gallons of water before being cut. They should then be quartered by splitting the bud-eye cluster in four parts from

stem to stern. This system of seed selection is believed to play a very important part in the large average yields in Europe, although hardly accounting entirely for the great difference in yield here and there. The average per acre in Germany is 200.8 bushels and 200.7 in England, while the United States average is but 92.7.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

We have for immediate delivery the following in good healthy plants:

GERANIUM SCARLET BEDDER

It is recognized by all who have grown it as the best double red, not excepting S. A. Nutt.

Price: \$1.50 per 10; \$12.50 per 100; \$100.00 per 1000.

Ask for our 1913 catalogue and read some of the testimonials.

ELMER D. SMITH & CO., Adrian, Mich.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.
I ALSO GROW LARGELY ON CONTRACT.



Asparagus Root.

Tw -Year-Old ASPARAGUS ROOTS

A fine lot of strong, two-year-old roots, of Barr's Mammoth, Columbian Mammoth White, Conover's Colossal, Giant Argenteuil and Dreer's Eclipse, neatly put up in bundles of 25, 50c per 100; \$4 per 1000.

Special prices for lots of 5000 or more.

Henry A. Dreer, Inc.
714 Chestnut Street
PHILADELPHIA, PA.

The above prices are intended for the Trade only.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.
Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

SHERMAN, TEX.—The Texas Nursery Co. has increased its capital stock from \$100,000 to \$250,000.

LANSING, MICH.—Pine seedlings from the state's nursery at Roscommon are being disposed of at cost.

WASHINGTON, D. C.—The second annual rose show of the Brookland Citizens' Association will be held some time in May.

PACIFIC COAST nurserymen generally suffered by the big freeze through injury to their young stock in the field and even under lath.

MUSKEGON, MICH.—The San Jose scale, traces of which have been found in this vicinity, will be the subject of discussion at the meeting of the Muskegon County Horticultural Society, March 29.

DETROIT, MICH.—The Wolverine-Detroit Nurseries have been organized with a capital of \$15,000, of which \$8,150 has been subscribed. The stockholders are Edwin S. Sherrill, Philip H. Gray and Lester F. Clark, all of this city.

DAVENPORT, IA.—Wm. H. Mast and W. J. Duppert have purchased the Davenport Nursery, operated for 40 years by Nichols & Lorton. Both the new partners have been in the government forestry service and are well qualified to have charge of a commercial nursery.

FREMONT, NEB.—E. S. Welch of Shenandoah, Ia., is suing B. E. Fields & Son of this place to collect for a shipment of nursery stock made in November, 1911. The defendants claim the trees were dead when received but the plaintiff's counsel introduced evidence to prove that they were frozen when removed from the car to the greenhouse.

Planting Time For Evergreens.

What is the best time to plant evergreens such as conifers, rhododendrons, kalmias, etc., late spring, early autumn or winter?

OLD SUBSCRIBER.

Long Island.

For the New England and North Eastern states, I have come to the conclusion that for coniferous evergreens, about the middle part of spring or about the time when the buds commence to swell perceptibly, is the best time to plant. 'On former occasions I have recommended the planting of coniferous evergreens at the end of August and first part of September if rains are abundant and the ground is well soaked.

Planting at this time of the year is all right if there is plenty of moisture in the ground and grains are abundant, and close attention is paid to mulching; so that under no conditions are they allowed to enter and pass the winter with dry roots. I have however, seen so many losses of late

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Spring Bulbs and Roots, Conifers, Pines.

English Ivy

4 ft. bushy, 4 inch pots.....\$15.00 per 100
4 and 5 ft. bushy, 4½ inch pots 20.00 per 100

Good value for window effect

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

ENGLISH MANETTI STOCKS.

A bargain, to close out surplus quick. Well rooted, carefully regraded and everything under-sized or not up to strictly first quality discarded. It pays to buy regraded repacked stocks. We offer ¾ m-m grade at \$12.00 per single thousand; five thousand and more at \$10.00 per thousand. 3-5 m-m grade \$8.00 per thousand; \$65.00 per ten thousand, to clean them up quick. Orders can be filled the same day we get them. Wire and say whether to ship by freight or express.

JACKSON & PERKINS CO., Newark, New York

Ipomea Noctiflorum

Our so well-known pure white, waxy
MOONVINE

Bearing flowers very fragrant and as big as a saucer, 2½-in. pots; will make good stock for you to propagate from. \$5.00 per 100.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Mention the American Florist when writing

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin N. J. Williamstown Junc., N. J

Mention the American Florist when writing

MOSS

We have a surplus of 12 barrel bale New Jersey Moss, clean, fresh and burlapped, and will deliver anywhere in Chicago, express prepaid, at \$5.00 per bale 2 or more bales at \$4.75. By freight collect at 25c per bale less. Satisfaction guaranteed or money refunded.

KLEHMS' NURSERIES, Arlington Heights, Ill.

Mention the American Florist when writing

years in planting evergreens in August and September, due to carelessness more than anything else, and I therefore recommend the spring season as the safest for the average planter. Rhododendrons, kalmias, andromedas, leucothoe and similar plants should all be planted in spring.

JOHN DUNBAR.

Osmundine

(Osmunda Fibre or Orchid Peat.)

BROWNELL'S SUPERIOR QUALITY.

Used the World Over

Price List and Samples on Request

The C. W. Brownell Company
Walden, N. Y.

Mention the American Florist when writing

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Catalpa Bungei

Specimen trees with wide spreading tops

2 to 4 years and straight 7 ft. stems, 2 to 3-inch caliper.

Get our prices on all kinds of shade trees.

W. B. COLE, Avenue Nurseries,
Painesville, - - - Ohio.

ROOTED CUTTINGS.

	Per 100.	Per 1000
Verbenas.....	\$0.70	\$ 6.00
Ageratums.....	.60	5.00
Heliotrope, Daisies, Salvias..	1.00	8.00
Feverfew, Petunias.....	1.25	10.00
Coleus.....	.70	6.00
Alyssum, Double.....	1.00	8.00

Cash with orders. Express Paid. Write

S. D. Brant, Clay Center, Kans

Spring Stock Ready for Shipment

Dracaenas—We are overstocked and can quote you very low prices.

Ferns—For varieties and prices in 4 in., 5 in., 6 in. and 7 in. pots write at once.

Vincas—will be ready for shipment by April 1st at current prices.

Geraniums—S. A. Nutt, extra strong 2½ in. at \$25.00 a 1000, \$2.75 a 100.

Asparagus Plumosus—at prevailing market prices.

If you don't see what you want in this advertisement, write and ask us, as we are general growers with a reputation for high grade goods.

Meredith Flower and Vegetable Co. LIBERTYVILLE, ILL.

ROSES

Wintered cool; x-strong roots; prime condition. Best sorts, old and new, including:

	2½-inch.	4-in.
Duchesse de Brabant.....	Doz. 100 1000 100	
Etoile de Lyon.....	\$0.50 \$3.00 \$25.00	\$10.00
Maman Cochet.....	0.50 3.00 27.50	10.00
White Maman Cochet.....	0.50 3.00 27.50	10.00
Mlle. Franzisca Kruger.....	0.50 3.00 25.00	10.00
Safrano.....	0.50 3.00 25.00	10.00
William R. Smith.....	0.50 3.50 30.00	10.00
Kaiserin Aug. Vic.....	0.50 3.50 30.00	10.00
Mme. Jenny Guillemot.....	0.50 3.50 30.00	12.00
Meteor.....	0.50 3.00 27.50	12.00
Rhea Reid.....	0.60 4.00 35.00	12.00
Jeanne d'Arc.....	0.50 3.50 30.00	12.00
Mrs. Taft.....	0.60 4.00 35.00	12.00
Dorothy Perkins.....	0.50 3.00 25.00	10.00
Phil's Crimson Rambler.....	0.50 3.00 25.00	10.00
Tausendschoen.....	0.50 3.00 25.00	10.00
Mary Washington.....	0.50 3.00 25.00	10.00
Marechal Niel.....	0.60 3.50 30.00	15.00

THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO

Mention the American Florist when writing

F. F. SCHEEL
SHERMERVILLE, ILL.

Wholesale Growers of Cut Flowers, Pot Plants and Nursery Stock

The Early Advertisement
Gets There.

ROSES IN BLOOM FOR EASTER.

We expect to have the following varieties in bloom:

Lady Gay **Tausendschoen** **Hiawatha**
Excelsa **Flower of Fairfield** **White and Pink Dorothy Perkins**
Delight **American Pillar**

7 to 8 inch pots from \$1.00 to \$6.00 each.

Crimson Baby Rambler **Phyllis** **Orleans** **Jessie**
5 inch pots from 50c to 75c each.

Erna Teschendorff—5 inch pots at 75c each.

HYDRANGEA OTAKSA 7 to 8 inch pots from \$1.00 to \$2.50 each.
“ “ New French Varieties—4 to 6 inch pots from 75c to \$1.50 each.

RHODODENRONS—from \$1.00 to \$2.00 each.

CHICAGO

31-33 W. Randolph St. **Vaughan's Seed Store,**

NEW YORK
25 Barclay St.

Greenhouses and Nurseries, Western Springs, Ill.

Enchantress Supreme

THE Best Sport from Enchantress up-to-date, possessing all the vigor and freedom that distinguishes its parent.

Color a light salmon pink—a color that is not only very attractive, but also one that endures full exposure to the sun without bleaching.

A good all around Carnation that retains its color at all seasons.

Calyx is longer and narrower than that of the parent variety, and distinct from the latter. Has shown no inclination to be a burster.

The weak points of Enchantress seem to have been lost in this Sport, and a trial of four years duration convinces us of its great value.

PRICES: Twelve Rooted Cuttings..... \$3.00 One Hundred rooted cuttings... \$ 12.00
Twenty-five rooted cuttings, 5.00 One Thousand rooted cuttings... 100.00
Fifty rooted cuttings..... 7.00

DAILLEDOUZE BROS.,

Order quick for February deliveries.
**Lenox Road and Troy Ave.,
BROOKLYN, N. Y.**

A. N. Pierson, Inc.

Wholesale Florists

CROMWELL, - CONN.

San Francisco.

ROSES OFF CROP.

The first week of March was ushered in in the proverbial manner of the lamb and the bright sunshine that prevailed all last month still continues, causing dire apprehension to the growers of cereals or field crops depending on the seasonal rainfall. This means to the grower of nursery stock that this season he will have far more irrigating than in years of normal rainfall. However, the next month may bring a change more favorable than the present time would indicate. Trade continues quiet, but steady and is as good as the season warrants, the retailers complaining only of the quality of some of the stock offered. Roses are decidedly off crop. American Beauties are scarce and bring \$2.50 to \$4.00 a dozen for rather mediocre stock. Killarney and Richmond show up the best. Cecil Bruner roses are still scarce and are missed very much, as this little gem is a fine seller at the flower stands in the department stores or in florists' shops doing much transient trade. Bulbous stock of all kinds is good and moves well. Much improvement is noticed this season in the quality and variety of tulips offered. Cattleya trianae are only fair. The few C. mendellii offered are better, and while few of either are offered, there are sufficient for the demand. The price of lilies has raised and they are selling at \$4.00 a dozen, with prospects of a sharp advance as the stock is short and grown by a few firms only. Carnations are not up to the mark of other years. There has been continuous complaint from the retailers that the blooms do not keep well this season. At this writing blooms are scarce, the inferior quality cutting the price to \$2 a hundred. An unregistered seedling raised and grown by a Japanese, is the best carnation coming to this market and brings fifty per cent better price than the others. The blooms are large, of good substance, a pleasing rose cerise color, and stand up well on good stems. Primula obconica are coming in and with the azaleas and cyclamens, the shop windows are quite gay, vases of fruit blossoms being substituted for the usual cut flowers.

NOTES.

The regular meeting of the Pacific Coast Horticultural Society was well attended and the reports showed the finances and membership to be in a healthy condition. Thirty new members have been introduced during the last two months. The society has subscribed for a full cover page of the program of the International Flower Show, to be devoted to presenting a few facts in favor of San Francisco as a convention city in 1915. Through the medium of a seal attached to all trade mail our brethren east of the Rockies are to be reminded that we expect them here on that eventful date. The MacRorie-McLaren Co. exhibited a finely flowered Dendrobium nobile, which was awarded ninety-five points. E. W. McLellan also received ninety-five points for a vase of Bridesmaid. This old favorite was shown on 28-inch stems, well clothed and blooms of exquisite form and color. Angelo J. Rossi promptly took the five dozen at triple the best market price.

Work on the exposition grounds is progressing. Sewers and water pipes are being laid preparatory to the plac-

ROSES!! ROSES!! ROSES!! ROSES!!

Grafted Stock: Richmond, White Killarney, Brides, Kaiserin, Pink Killarney, Bridesmaids. 2½-in. pots. Price, \$10.00 per 100; \$100 per 1000. Ready first of March.

Own-Root Stock: My Maryland, Pink Killarney, Richmond, Perles, White Killarney, Kaiserin. 2½-in. pots. \$5.00 per 100; \$47.50 per 1000. Ready middle of March.

CARNATION CUTTINGS: Enchantress, Rose Pink Enchantress, May Day, White Enchantress, Lady Bountiful, Queen Louise, White Perfection, O. P. Bassett. Price, \$3.00 per 100; \$25.00 per 1000. Ready now.

VERBENA PLANTS AND CUTTINGS

J. L. DILLON, - Bloomsburg, Pa.

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman Compacta (new), to take the place of Whitman. A better commercial fern; 2½-in., \$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
 250 plants at 1000 rates.

HENRY H. BARROWS & SON. Whitman, Mass.

The New Double Marguerite MRS. F. SANDER

It's a good spring and summer proposition and will keep you supplied with plenty of cut flowers at a time when all other flowers are scarce.

2-in. pots \$2.00 per 100, \$15.00 per 1000.

ELMER RAWLINGS,

Wholesale Florist, **OLEAN, N. Y.**

PALMS, FERNS AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St. BROOKLYN N Y

KENTIAS.

Joseph Heacock Co.,
 Wyncote, Pa.

See Price List of Last Week

John Bader Co.

B. L. ELLIOT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Primula Obconica, strong plants, in bud and bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengeri, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

ing of the foundations of the principal buildings. Nearly two miles of the fence is completed, at the base of which the ground has been thoroughly trenched and enriched for the planting of climbers to mask the woodwork. There is no lagging to the landscape department.

Inquiry among the local florists shows that they are rather chary about the parcel post delivery and are unanimous in using the express company when they want to "get there." The Boland Co. reports a number of deliveries by the parcel post by requests of customers, actuated probably by the novelty of the system.

CARNATIONS

Rooted Cuttings, Season 1913.

Ready Now.

	Per 100	Per 1000
Rosette.....	\$6 00	\$50 00
St. Nicholas	6 00	50 00
Benora	6 00	50 00
Gloriosa	4 00	30 00
White Wonder.....	3 00	25 00
White Perfection	3 00	25 00
White Enchantress..	3 00	25 00
Enchantress.....	3 00	25 00
Rose Pink Enchantress	3 00	25 00
Scarlet Glow	3 00	25 00
Mrs. C. W. Ward.....	3 00	25 00
Bonfire	3 00	25 00

Rooted Cuttings Our Specialty. Fine stock; even size; well rooted cuttings.

F. DORNER & SONS CO.
 LA FAYETTE, IND.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins Poitevine, 2-in., \$2.00 per 100; 3-in., \$5.00 per 100, **Boston and Whitman Ferns**, 3-in., 10c; 4-in., 15c; 5 in., 25c.
Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, **Scarlet Sage**, **Lemon Verbenas**, **Cigar Plant**, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

—Ask for our—

Soft Wooded and Fern Lists.

20,000 Geraniums
 READY TO GO OUT.

GEO. A. KUHL,

Wholesale Grower to the Trade **Pekin, Ill.**

Robert Craig Co...

High
Class

PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

H. Kempf is busy stocking up his new place at Colma. He is devoting much time to the nursery department, but hopes to complete his range of glass this spring. Mr. Kempf formerly occupied the old Ludemann place, now included in the fair grounds at Harbor View.
 T.

Palms for Easter Sales.



Kentia Belmoreana.

KENTIA BELMOREANA.

Leaves	Height	Each	Doz.
4-inch	5-6	12-15 inches.....Per 100	\$40.00
5-inch	5-6	18 inches.....	\$.75
6-inch	6	22-24 inches.....	1.50
6-inch	6-7	26-28 inches.....	2.00
7-inch	6-7	28-30 inches.....	2.50
7-inch	6-7	30-32 inches.....	3.00
9-inch	6-7	42-46 inches.....	5.00
10-inch	6-7	48-50 inches.....	8.00

KENTIA FORSTERIANA.

Leaves	Height	Each	Doz.
4-inch	5	15 inches.....Per 100, \$40.00	\$5.00
5-inch	5-6	20-24 inches.....	.75
6-inch	5-6	30-32 inches.....	1.50
7-inch	6-7	36-40 inches.....	3.50
8-inch	6-7	40-44 inches.....	4.00
8-inch	6-7	44-48 inches.....	5.00
8-inch	6-7	52-55 inches.....	6.00

PHOENIX CANARIENSIS.

8-inch, 30-35 inches high.....Each, \$3.00

PHOENIX ROEBELINII.

6-in., 16-18 inches high...Each, \$1.75 7-in., 20-22 inches high...Each, \$2.50 11-in. tub, 28-30 inches high...Each, \$8.00

31-33 W. Randolph St., CHICAGO **Vaughan's Seed Store** 25 Barclay St., NEW YORK

GREENHOUSES AND NURSERIES, WESTERN SPRING, ILL.

LAST CALL 10,000

Light Pink and Rose Pink
ENCHANTRESS
Carnation Cuttings

Must Be Sold at Once
\$12.50 per 1000

While they last. Order now.

These cuttings are taken from stock grown by the best growers of the Enchantress variety of carnations in this vicinity and are big value at the price quoted. Send in your order now.

PERCY JONES

56 E. Randolph St., Chicago

Geraniums AND Coleus

Ricard and Poltevine, \$15.00 per 1000. S. A. Nutt, \$12.50 per 1000; next delivery about March 24. G. Bedder, Vers., and general assortment \$6.00 per 1000; ready almost any time.

Plumosus, just right for Easter pans, sample, 10 cents; 100, \$2.50.

Safe Delivery Guaranteed.

Albert M. Herr, Lancaster, Pa.

SHAMROCK, TRUE IRISH.

Strong plants from 1 3/4 in. pots...100, \$3; 1000, \$25. Strong plants in 1-in. pots with saucers, \$4 per 100; 35 per 1000.

FERNS FOR DISHES.

Best assorted varieties from 2 1/4 in. pots...100, \$3.50; 1000, \$30. 500 at 1000 rate. Cash with order.

FRANK OECHSLIN,

4911 West Quincy St. CHICAGO.

Select Stock for Spring

The best lot of stock in this line we have ever seen. Every live florist and landscape man can make good use of the following subjects, and we are sure there is no better quality in the country:

Azalea Mollis, 15 to 18-in., bushy and full of buds.....	\$ 3.50 per 10, \$ 30.00 per 100
Ghent (Pontical). Named sorts. full of buds, 18 to 24-in.....	4.50 per 10, 40.00 per 100
Rhododendrons, 18 to 24-in., 8 to 12 buds, very fine.....	7.50 per 10, 70.00 per 100
24 to 30-in., 12 to 14 buds, very fine.....	10.00 per 10, 90.00 per 100
30 to 36-in., 14 to 16 buds, very fine.....	15.00 per 10, 125.00 per 100
24 in. seedlings, bushy, well budded plants.....	6.50 per 10, 60.00 per 100
Tree Roses, all hardy varieties, budded on straight stout stems.....	3.50 per 10, 30.00 per 100
Boxwood, a magnificent spring importation on hand, clean bright stock and grand values for the money.	
Pyramidal, 36-in. high, at \$1.75 each; 42-in. high, at \$2.25 each; 48-in. high, at \$3.00 each; 54-in. high, at \$4.00 each.	
Globe Form, perfect globes, 18 by 18 inches, \$3.00 each.	
Bush Form, very broad, heavy plants, 12-in. high, \$3.00 per 10, \$25.00 per 100; 18-in. high, 50c each, \$4.50 per 10; 24 in. high, \$1.25 each, \$10.00 per 10; 30 in. high, \$1.50 each, very broad, 36-in. high, \$2.00 each, very broad.	
Aristolochia Sipho, Dutchman's Pipe, heavy vines, 4-ft. top, \$25.00 per 100.	
Hybrid Tea Roses, strong 2-yr., field grown dormant plants—Betty, fine pink, \$17.50 per 100; Gen. McArthur, Grus An Teplitz, Hermosa, Kaiserin Augusta, Victoria, La France, Mad. Jules Grolez (deep pink) Mamam Cochet, Mad. Caroline Testout, White Mamam Cochet, at \$15.00 per 100; Prince de Bulgarie, \$17.50 per 100.	
NEW BABY RAMBLER ROSES, 2-yr., field grown—	
Erna Teschendorf, the best red yet introduced, more petals than the original Baby Rambler, a deeper, brighter red and does not fade, \$4.00 per dozen, \$30.00 per 100.	
Orleans, light Geranium red, opening to a bright rose color. Very free bloomer and compact shapely plant for pots, \$2.50 per dozen, \$18.00 per 100.	
CLIMBING ROSES, 2-yr., field grown—	
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Farquhar.....	25.00 per 100
Tausendschon.....	15.00 per 100
Violet Blue.....	10.00 per 100
Yellow Rambler.....	10.00 per 100
Flower of Fairfield.....	\$20.00 per 100
Hiawatha.....	12.00 per 100
Trier.....	12.00 per 100
White Dorothy.....	12.00 per 100

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J. D. Thompson Carnation Co.

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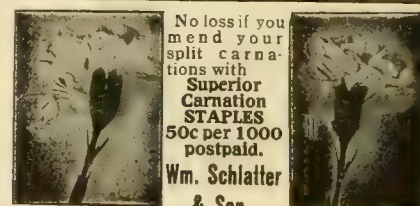
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Chrysanthemum Novelties my Specialty

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Write for prices before ordering elsewhere.

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Big jobs a specialty

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Write for particulars.

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10 CENTS PER LINE, NET.



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Alternantheras, 2 1/4-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

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Ampelopsis Veitchii, heavy, 1-year, 2 to 3 ft., strong, 50 for \$2; 100, \$3.25; Parcel Post, \$20 per 1,000; 18 to 24 inches, 50 for \$1.50; 100 for \$2; Parcel Post, \$15 per 1,000. Well rooted plants, tops cut to 6 inches for transplanting, \$12 per 1,000. Samples, 25c allowed on purchase. Chas. Black, Hightstown, N. J.

ARAUCARIAS.

Araucaria excelsa, 4-in., 2 to 3 tiers, 50c each; \$6 per doz.; 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

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Asparagus Sprengeri, strong seedlings, 75c per 100.

EDW. DOEGE COMPANY,
4344 N. Springfield Ave., Chicago, Ill.

Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

To make room in our houses we offer Plumosus Asparagus, extra fine, heavy plants, 3-in., \$4 per 100. Sprengeri, 3-in., \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Asparagus plumosus, 3-in., \$4 per 100; 2 1/4-in., \$3; 2-in., \$2 per 100. Sprengeri, 3-in., \$3 per 100; 2 1/4-in., \$2. C. Elsele, 11th and Westmoreland Sts., Philadelphia, Pa.

Asparagus plumosus and Sprengeri, 2 1/4-in., \$2 per 100; 300 for \$5.00. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2 1/4-in., \$3 per 100; \$25 per 1,000. Sprengeri, 2 1/4-in., \$2.50 per 100; \$25 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6 per 100; 4-in., \$1.50 per doz. Sprengeri, 3-in., 75c per doz.; \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

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Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

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Boxwood. For sizes and prices see advertisement elsewhere in this issue. The Storrs & Harrison Co., Palmsville, O.

Boxwoods. McHutchison & Co., 17 Murray St., New York.

BULBS.

GLADIOLI. A good mixture, \$1 per 100; \$9 per 1,000. Choice Florists' mixture, white, light and pink, \$1.75 per 100; \$16 per 1,000. Pink Augusta, best forcing pink, \$2.25 per 100; \$20 per 1,000. Cash, 250 at 1,000 rates. Also America, Augusta, Francis King, Mme. Mone-rett, Klondyke, George Paul, etc. Send for price list. STEVEN'S GLADIOLI CO., Saginaw, W. S., Mich.

AMERICA GLADIOLUS PLANTING STOCK: Parcel Post, America, No. 3, 1 to 1 1/4 inch, \$10 per 1,000; No. 4, 1/4 to 1 inch, \$8 per 1,000; No. 5, 1/2 to 3/4 inch, \$5 per 1,000; No. 6, 3/4 to 1 inch, \$3 per 1,000. Other sizes if wanted. CURRIER BULB CO., Seabright, Calif.

Bulbs, Lilium multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, bedding hyacinths, white, red and blue, \$1.60 per 100; \$15 per 1,000. James Vick's Sons, Rochester, N. Y.

Bulbs, caladiums, gladioli, cannas, tuberoses. For prices see advertisement elsewhere in this issue. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, begonias, hyacinths, tulips, Narcissus, etc. M. J. Guldemond, Lisse, Holland.

Fisher's Purity Freesia bulbs, if in the market for summer delivery get our prices before buying. Currie Bulb Co., Seabright, Calif.

Gladiolus, 2nd size fancy mixture, \$6.50 per 1,000. The Gladioli Specialty Association, Hampton, Va.

Bulbs. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Bulbs. McHutchison & Co., 17 Murray St., New York.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

CALLAS.

GODFREY CALLAS.
2 1/4-in., \$4.00 per 100.
CONARD & JONES CO.,
WEST GROVE, PENNSYLVANIA.

CANNAS.

CANNAS—Fine 2 to 3 Eye bulbs. Robusta, Cinnabar and mixed, \$1 per 100. Sec. Chabane, \$1.50 per 100. Paul Marquant, \$2 per 100. Mile. Berat, Pres. Cleveland, \$2.50 per 100. Pennsylvania, C. F. Read, \$3 per 100. Henry George, Chas. Henderson, \$4 per 100. Marvel, David Harum, \$5 per 100. WAGNER PARK CONSERVATORIES, Sidney, O.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

IMPROVED CANNAS.

"There can be no question that could the florists see these cannas, they would be in every collection in the country."—John Welsh Young, referring to CONARD & JONES' CANNAS.

Mrs. Alfred F. Conard, pink....\$35.00 per 100
Beacon, red.....20.00 per 100
Gladiodora, variegated.....15.00 per 100
Meteor, red.....25.00 per 100
Rosa gigantea, pink.....25.00 per 100
Wm. Saunders, red, bronze leaf..10.00 per 100
Mt. Blanc, near white.....10.00 per 100
Kate F. Deemer, yellow.....35.00 per 100

F. o. b. at headquarters for improved cannas. Write for complete list to

THE CONARD & JONES CO.,
WEST GROVE, PENNSYLVANIA.

Cannas, ready to pot, delivery now or later. Florence Vaughan, Chas. Henderson, Egandale, \$2.50 per 100. Pennsylvania, Louisiana, large flowered, \$3 per 100. F. Pearson, 5732 Gunnison St., Chicago.

CAPE JASMINES.

We are booking orders for Cape Jamine buds, 8 to 12-in. stems, \$1 per 100; \$8 per 1,000; 12 to 18-in. stems, \$1.50 per 100; \$13 per 1,000. Alvin Jasmine and Floral Co., Alvin, Texas.

CARNATIONS.

ROOTED CARNATION CUTTINGS.
150,000 in the following varieties ready for immediate deliveries:

	Per 100	Per 1,000
The Herald, scarlet.....	\$12.00	\$100.00
Rosette, dark pink.....	6.00	50.00
Wodeneth.....	6.00	50.00
Gloriosa, medium pink.....	4.00	35.00
Pink Delight, flesh pink.....	6.00	50.00
Conquest, overlaid pink.....	4.00	35.00
White Wonder, pure white.....	3.00	25.00
White Enchantress.....	2.00	20.00
White Perfection.....	3.00	25.00
Enchantress, flesh pink.....	3.00	25.00
Princess Charming, flesh pink.....	3.00	25.00
May day, deep flesh.....	3.00	25.00
Rose Pink Enchantress.....	3.00	25.00
Washington, dark pink.....	3.00	25.00
(Sport of Enchantress).....		
Alvina, very free.....	3.00	25.00
Victory, scarlet.....	3.00	25.00
Scarlet Glow, scarlet.....	3.00	25.00
Bonfire, scarlet.....	3.00	25.00
Beacon, scarlet.....	3.00	25.00

CHICAGO CARNATION CO.,
30 E. Randolph Street, Chicago, Ill.

	Ready	March 30.
	R. C. per	2 1/4-in. per
	100	1,000
White Perfection.....	\$2.20	\$20.00
White Enchantress.....	2.20	20.00
Rosette.....	6.00	50.00
Lawson.....	2.20	20.00
Winsor.....	2.20	20.00
May Day.....	3.00	25.00
Gloriosa.....	3.00	27.50
Mrs. Ward.....	3.00	27.50
Enchantress.....	2.20	20.00
Scarlet Glow.....	3.00	25.00
Beacon.....	2.20	20.00

POEHLMAN BROS. CO.,
Morton Grove, Illinois.

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1,000
Enchantress.....	2.00	18.00
White Enchantress.....	2.00	20.00
Princess Charming.....	2.00	20.00
White Lawson.....	1.50	12.50
White Perfection.....	1.50	12.50
Winsor.....	1.50	12.50
Victory.....	2.00	18.00
Bonfire (finest red).....	3.00	25.00

WIETOR BROS.,
162 N. Wabash Ave., Chicago, Ill.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Daubledove Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Carnation cuttings for immediate delivery. Extra strong plants from soil. Enchantress and White Enchantress, \$3 per 100; \$25 per 1,000. Write for prices on the following varieties from sand: Wodenethe, White Wonder, White Enchantress, Enchantress, Beacon, and Rose Pink Enchantress. J. D. Thompson Carnation Co., Joliet, Ill.

"Colorado Grown Plants Beat Them All." Carnation Rooted Cuttings, Satisfaction guaranteed. Pure White Enchantress, \$25 per 1000; Enchantress and Victory, \$20 per 1000; White Lawson and Winsor, \$15 per 1000; 2-inch stock extra strong and healthy: Pure White Enchantress, \$30 per 1000; Enchantress and Victory, \$25 per 1000. ELITCH-LONG GREENHOUSES, Denver, Colo.

For immediate shipment, strong guaranteed cuttings that will produce fancy stock. Beacon, White Perfection, Enchantress, \$20 per 1,000. White Enchantress, \$25 per 1,000. C. C. Pollworth Co., Milwaukee Wis.

Carnation cuttings, Enchantress, R. P. Enchantress, May Day, White Enchantress, Lady Bountiful, Queen Louise, White Perfection, O. P. Bassett, \$3 per 100; \$25 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, Champion, \$12 per 100; \$100 per 1,000; 2,500 for \$237.50; 5,000 for \$450. Yellowstone and Yellow Prince, \$6 per 50; \$10 per 100; \$80 per 1,000; \$178.50 per 2,500; \$350 per 5,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, R. C., out of sand or soil; good stock, Winsor, Victory, \$13 per 1,000; White Perfection, Pink Enchantress, \$15 per 1,000; White Enchantress, \$17.50 per 1,000; \$3 more for stock from soil. Cash or references. Northwestern Floral Co., Gross Point, Ill.

Carnations, Northport, Commodore, Enchantress Supreme and Salmon Beauty. Chas. H. Totty, Madison, N. J.

Carnations, chrysanthemums, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnation Enchantress, \$2 per 100; \$18 per 1000. P. A. Lyon, Milton, N. Y.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

"Colorado Grown Plants Beat Them All." Chrysanthemum Rooted Cuttings, Early, Mid-season and late varieties: Yel. Bonaffon, Thunkle, Appleton, Halliday, Silver and Golden Wedding, Monovia, White and Yellow Eaton, Golden Glow, Nonin, Robinson, White and Pink Ivory, DeKalb, Helen Frick, Maud Dean, Tousey, Vivand-Morel, Enguehard and Rosiere, \$2 per 100; \$15 per 1000. April delivery. ELITCH-LONG GREENHOUSES, Denver, Colo.

FOR SALE—Chrysanthemums, Smith's Advance, Pacific Supreme, \$1.50 per 100; \$12 per 1,000. Rooted cuttings: Vincen variegata, 500, 2-in., \$8. Mine, Sallerioi geraniums, 500, 2-in., \$8. D. W. Leatherman, Anderson, Ind.

Chrysanthemums, rooted cuttings and 2½-inch. For varieties and prices see advertisement elsewhere in this issue. Pochlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, rooted cuttings, Golden Glow, Oct. Frost, Pacific Supreme, Major Bonaffon, \$1 per 100; Chas. Razer, best white, \$1.50 per 100. Edward Wallis, Berlin, N. J.

Chrysanthemums, Ramapo, 2½-in., \$15 per 100. Unaka, Gloria, Well's Late Pink and Smith's Advance, Chas. H. Totty, Madison, N. J.

Chrysanthemums, all the money making varieties. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, rooted cuttings. Erie Floral Co., Erie, Pa.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, 2½-in., Verschaffelti and Golden Bidder, 50c per doz.; \$3 per 100. Anna Pfitzer and John Pfitzer, 60c per doz.; \$3 per 100. Black Prince, 75c per doz.; \$5 per 100. Vaughan's Seed Store, Chicago and New York.

Coleus, 10 vars., 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, Verschaffelti and G. Bedder, 60c per 100. The Erie Floral Co., Erie, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEUM, finest strain in existence including GLORY OF WANDSBEK, finest salmonium, orchid flowering, Rococo; strong transplanted seedlings, \$3.00 100; \$25.00 1,000. Cash, please. Rober & Radke, Maywood, Ill.

DAHLIAS.

Dahlias, 100,000 field-clumps; 100 varieties of cream. Get list. Benj. Connell, Florist, Merchantville, N. J.

DAISIES.

Shasta daisies, field-grown, strong plants, 75c per 100; \$6 per 1,000. Clumps, \$1 per 10; \$5 per 100; \$40 per 1,000. Cash with order or C. O. D. Write for Nursery Stock price list. E. J. Sheffield, Alvin, Texas.

Shasta daisies, special two weeks only; 50c per 100; \$4.75 per 1,000. Strong field grown. Alvin Jasmine and Floral Co., Alvin, Texas.

Daisies, yellow, 3-in., \$4 per 100. C. Elselé, 11th and Westmoreland Sts., Philadelphia.

DRACAENAS.

Dracena indivisa, 2-in., 50c per doz.; \$3 per 100; 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100; 5-in., \$3 per doz.; \$20 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Dracena, Linden and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz.; Vaughan's Seed Store, Chicago and New York.

Dracena Massangeana, 6-in., \$1 to \$1.75 each. Pochlmann Bros. Co., Morton Grove, Ill.

Dracenas, Meredith Flower and Vegetable Co., Libertyville, Ill.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

EASTER PLANTS.

Roses in bloom for Easter, Lady Gay, Excelsa, Tausendschon, Hiawatha, Flower of Fairfield, White and Pink Dorothy Perkins, Delight, American Pillar, 7 to 8 in., \$1 to \$6 each. Crimson Rambler, Phyllis, Orleans, Jessica, 5-in., 50c to 75c each. Erna Teschendorff, 5-in., 75c each. Hydrangea Otaksa, 7 to 8-in., \$1 to \$2.50 each; New French Vars., 4 to 6-in., 75c to \$1.50 each. Rhododendrons, \$1 to \$2 each. Vaughan's Seed Store, Chicago and New York.

Lily plants, 10 to 15 inches high, 10c per bud; 18 to 20 ins., 12½c per bud; 24 to 30 ins., 15c per bud. Pochlmann Bros. Co., Morton Grove, Ill.

EUONYMUS.

EUONYMUS VARIEGATA RADICANS JAPONICA, 2½-in. pots, 5c. 3 and 4-in. pots, 10c. CONARD & JONES CO. WEST GROVE, PENNSYLVANIA.

FERNS.

Scotti, 2½-in., \$1 per 100; Scholzeii, \$4 per 100; \$35 per 1,000. Boston, \$4 per 100; \$35 per 1,000.

DWARF FERNS FOR FERN DISHES. These dwarf ferns are used by the hundreds of thousands to fill dishes for table decorations. Our sales each year exceed fifty thousand plants. Our stock is in prime condition, ready to use at once. We offer 9 choice varieties, Pteris Cretica, Albolinenta, Victoria, Wilsoni, Mayil, Pteris Multiceps, Aspidium Tussimense, Sieboldii, Winsteti, Cyrtomium Falcatum or Holly Fern. Price 50c per doz.; \$3.50 per 100; \$30 per 1,000. Our new catalog giving prices on ferns, roses and all other plants ready now. Write for it today.

THE GOOD & REESE CO., Largest Rose Growers in the World. Box 18, Springfield, Ohio.

Ferns, Boston, 2-in., \$3 per 100; 4-in., \$1.50 per doz.; 5-in., 25c each; \$3 per doz.; 6-in., 50c each; \$6 per doz.; 7-in., 75c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz.; 9-in., \$1.50 each; \$18 per doz.; larger ones, \$2, \$2.50 and up. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

ROOSEVELT FERNS, 2½-in., \$6.00 per 100. CONARD & JONES CO. WEST GROVE, PENNSYLVANIA.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Ferns, assorted for dishes, 2-in., \$3 per 100; 3-in., 75c per doz.; \$6 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns for dishes, assorted, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rates. Frank Oechslin, 4911 W. Quincy St., Chicago.

Extra strong Boston Springfield runners, \$1 per 100; \$9 per 1000. Cash. Satisfaction guaranteed. Newell & Ustler, Apopka, Florida.

Table ferns, 10 varieties, 2½-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100; \$55 per 1,000. Pochlmann Bros. Co., Morton Grove, Ill.

Five thousand Boston fern runners, 2-in., \$2 per 100. Campbell, The Florist, Chili Ave. and Thurston road, Rochester, N. Y.

Ferns, Meredith Flower & Vegetable Co., Libertyville, Ill.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica, 5-in., 35c each; 6-in., 50c. Ficus pandurata, 6-in., 7-in. and 8-in., \$1.50, \$2.50 and \$3.50 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus pandurata, 6-in., \$3.50 each. Elastica, 6-in., 75c to \$1 each. Pochlmann Bros. Co., Morton Grove, Ill.

GERANIUMS.

GERANIUMS. Good, healthy, fall-rooted plants from 2½-in. pots at \$3 per 100; \$27.50 per 1,000, except where noted; Beaute Poitevine, Marquis de Castellane, S. A. Nutt, Jean Viand, La Favorite, A. Ricard, Mme. Landry, Mrs. E. G. Hill, Heteranth, M. Jaulin, Red Wing (6c each). Our new catalog of everything you need mailed upon application. Write for it today.

THE GOOD & REESE CO., Largest Rose Growers in the World. Box 18, Springfield, Ohio.

NEW AMERICAN BEAUTY.

For the first time we are offering this wonderful new geranium to our many customers. Write for colored cut and prices on large lots, 2½-in. pots, 50c; \$5 per doz.

JOHN BAUSCHER, JR., Arcade Addition, Freeport, Ill.

Geranium Scarlet Bedder, \$1.50 per ten; \$12.50 per 100; \$100 per 1,000. Elmer D. Smith & Co., Adrian, Mich.

Mrs. Loyal (pansy geranium) 2½-in., 85c per doz.; \$6 per 100. Vaughan's Seed Store, Chicago and New York.

S. A. NUTT. Strong selected top cuttings, well rooted, \$1.25 per 100; \$12 per 1000. THE W. T. BUSKLEY CO., Springfield, Ill.

GERANIUMS, Mme. Sallerioi, good strong plants, 2-in., \$2 per 100; \$18 per 1000; 2½-in., \$3 per 100; \$25 per 1000. Ready by April 1. ROBER & RADKE, Maywood, Ill.

Geraniums, S. A. Nutt, 2½-in., \$2.75 per 100; \$25 per 1,000. Meredith Flower & Vegetable Co., Libertyville, Ill.

Geraniums, S. A. Nutt, and 4 others, 3-in., \$4 per 100; 2½-in., \$3. Jos. H. Cunningham, Delaware, O.

Geraniums, Ricard and Poitevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. B. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerioi, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Magnolia leaves, cycas leaves, American oak sprays, ruscus. Oscar Leistner, 17 N. Franklin St., Chicago.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Wild smilax, 16 cubic feet cases, \$3 per case. Caldwell The Woodsman Co., Evergreen, Ala.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Wild Smilax. Jas. B. Pinkston, Louisville, Ala.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

HYDRANGEAS.

HYDRANGEAS.

New Forcing Hydrangea Arborescens Grandiflora Alba or Hills of Snow.

For forcing or immediate sales; 1-yr. field-grown, 12 to 18 inches, 2 canes, \$1.25 per doz.; \$8 per 100; \$75 per 1,000. Select, 2 to 3 canes, \$1.50 per doz.; \$10 per 100; \$90 per 1,000. 2-yr. field-grown, 18 to 24 inches, 2 to 3 canes, \$2 per doz.; \$14 per 100; \$120 per 1,000. Our Catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

Hydrangea Otaksa, 4-in. pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, field-grown, 3 to 10 shoots, 10c to 35c. The Erie Floral Co., Erie, Pa.

IVIES.

ENGLISH IVY.

2½-in. pots, \$5.00 per 100.

CONARD & JONES CO.

WEST GROVE, PENNSYLVANIA.

English ivy, strong, 3-in. stock. Write for prices. C. L. Reese, Springfield, O.

English ivy, 4 ft., 4-in. pots, \$15 per 100; 4½-in., \$20. Bobbink & Atkins, Rutherford, N. J.

Ivy, English, 3-in., \$4 per 100. C. Elsie, 11th and Westmoreland Sts., Philadelphia.

English ivy, R. C., 75c per 100; prepaid. Chas. Frost, Kenilworth, N. J.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the valley. Grow Bruns' celebrated Chicago Market, the finest forcing valley in America, \$18 per 1,000; \$9.50 per 500; \$5 per 250; Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MANETTI.

ENGLISH MANETTI STOCKS. A bargain, to close out surplus quick. Well rooted, carefully regraded and everything undersized or not up to strictly first quality discarded. It pays to buy regraded, repacked stocks. We offer 5-8 mm grade at \$12 per single thousand; five thousand or more at \$10 per thousand. 3-5 mm grade, \$8 per thousand; \$65 per ten thousand, to close them up quickly. Orders can be filled the same day we get them. Wire and say whether to ship by freight or express. Jackson & Perkins Co., Newark, New York.

MARGUERITES.

MARGUERITES.

Mrs. F. Sander, 2-in., \$2.50 per 100; 3-in., \$5 per 100; Alexandra and large flowering and California single, 2-in., \$2 per 100; 3-in., \$4 per 100. ROBER & RADKE, Maywood, Ill.

Marguerites, Mrs. F. Sanders, 60c per doz.; \$4.50 per 100. Queen Alexandra, 60c per doz.; \$3.50 per 100. Vaughan's Seed Store, Chicago and New York.

MOSS.

Sphagnum moss, 1 bale, \$3.80; 5 bales, \$3.60 each; 10 bales, \$3.40 each; 25 bales, \$3.20 each. Live moss, \$1.25 per bbl. Rotted peat, 60c per sack. J. H. Sprague, Barnegat, N. J.

Green sheet moss, 1 bale (5 bundles) \$1.25; 5 bales (25 bundles), \$6. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

Moss, surplus of 12 barrel bale New Jersey moss, delivered anywhere in Chicago, \$5 per bale, 2 or more bales \$4.75 per bale. Klehm's Nurseries, Arlington Heights, Ill.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock. Storrs & Harrison Co., Painesville, O.

SHRUBBERY.

There are bargains to be had here in such varieties as spiraeas, altheas, weigelas and philadelphus, and this names only a few. We have acres of shrubs, well grown and ready for you. Write for price list.

The Conard & Jones Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

We offer Carolina Poplar, Silver Maple, Ash Leaf Maple, Catalpa Speciosa, American Elm, 6 ft. to 16 ft. Glen Rock Nurseries, Glen Rock, Pa.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

ONION SETS.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

ORANGES.

ORANGE OTAHEITE.

From 2½-in. pots, \$3 per 100; \$27.50 per 1,000. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Osmundine (Osmunda fibre or orchid peat.) The C. W. Brownell Co., Walden, N. Y.

PALMS.

Palms, Kentia Forsteriana, 3 plants in pot, 6-in. 18 to 22 ins. high, also pot, on which we make a special price of \$1 each; \$12 per doz.; 7-in. 28 to 32 ins. high, 3 in a pot, \$1.50 each; \$18 per doz. Phoenix Roebelenii, 2½-in., \$2 per doz.; \$15 per 100; 3-in., \$3 per doz.; 4-in., 50c each; \$6 per doz.; 6-in., \$12 per doz.; 6-in., strong, \$18 per doz.; 7-in., \$2.50 and \$3 each; specimens, 7-in., \$4 each; 8-in., \$5. Phoenix Reclinata, 4-in., \$3 per doz.; \$20 per 100; 5-in., \$5 per doz.; \$40 per 100; 6-in., 75c each; \$9 per doz.; 7-in., 24 ins. high, 3 in a pot, \$1.50 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms, Kentia Forsteriana and Belmoreana, all sizes from 4-in. to 12-in. tubs, 35c to \$15 per plant. Poehlmann Bros. Co., Morton Grove, Ill.

Areca lutescens, 3-in., 3 plants in pot, \$2 per doz.; \$15 per 100; 4-in., \$3 per doz.; \$25 per 100; 6-in., \$1.50 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms, 5 Latania Borbonica (7 ft.); 2 Sago (20 ft.); 1 Phoenix (7 ft.). \$15 to \$20 f. o. b. Washington. Gallaudet College, Washington, D. C.

Palms. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Kentia Belmoreana, 3 leaves, \$1 per doz. C. Elsie, 11th and Westmoreland Sts., Philadelphia.

Palms, McHutchison & Co., 17 Murray St., New York.

PANSIES.

PANSIES, finest French mixtures. Strong seedlings, 35c per 100; \$2.50 per 1,000. Transplanted seedlings, 60c per 100; \$5 per 1,000. ROBER & RADKE, Maywood, Ill.

Pansy plants, fall transplanted, Danish seed, in bud and bloom, \$1 per 100; \$10 per 1,000. Cash, please. Edgar Easterday, Nokomis, Ill.

Pansy plants, \$1.50 per 100. Jos. H. Cunningham, Delaware, O.

PEONIES.

PEONIES.

"Peonies for Pleasure." This book of "Peonies for Pleasure" gives information on peony history; soil and plants to use; how and when to plant; fertilizers and how to apply, and describes the most extensive planting of really valuable Peonies ever gathered together under the sun; describes the old and the new as well as the plebeian and aristocrat of the Peony family. If you want information on the plant that stands next to the Rose in beauty, that is practically known to the amateur as simply a red, white and pink Peony, then send for "Peonies for Pleasure." We also issue a special wholesale price list of Peonies for Fall Sales, 1913. Send for both of these booklets. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

Peonies. W. & T. Smith Co., Geneva, N. Y.

RHODODENDRONS.

Rhododendrons. The Storrs & Harrison Co., Painesville, O.

POINSETTIAS.

Poinsettias, dormant stock. Write for prices. C. R. Reese, Springfield, Ohio.

PRIMULAS.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

ROSES.

STOCK FOR SALE.

ROSES—For Summer Bedding—Bessie Brown, Pink Maman Cochet, White Maman Cochet, Gruss an Teplitz, Helen Good, Hermosa, Helen Gould, Lady Hillingdon, Miss Alice de Rothschild, Mrs. Taft, (Antoine Riviere), President Taft, Rhea Reid, Sunburst, Tausendschon, (Excelsa) Red Dorothy Perkins, Dorothy Perkins, Lady Gay, Crimson Rambler, Wm. R. Smith and all other bedding Roses from 2½ and 4-in. pots. Our new catalog giving prices on all roses and other plants ready now. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

Roses, grafted, Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110 per 1,000; \$100 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95 per 1,000 in 100,000 lots. Killarney Queen, \$15 per 100; \$120 per 1,000. Own root, White Killarney, Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$8 per 100; \$55 per 1,000. Richmond, 2½-in., \$5 per 100; \$45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

ROSES. Fine healthy stock, 2-inch, Mrs. B. R. Cant, gruss an Teplitz, Wellesley, Duc. de Brabant, Vis. Foldstone, Mrs. De Graw, Mrs. S. McKee, Apricot, Deegan, Glo. Exp. Bruzels, 2-in., \$3 per 100. Clo. Souper, S. de P. Notting, M. Lambert, Coq. des Blanchés, Emp. China, Climbing Clo. Souper, 2-in., \$2.50 per 100. Our selection of varieties all labeled true to name, \$20 per 1,000. ORDER NOW. WAGNER PARK CONSERVATORIES, Sidney, O.

Roses, grafted, Richmond, White Killarney, Bride, Kaiserin, Pink Killarney, Bridesmaid, 2½-in., \$10 per 100; \$100 per 1,000. Own root, My Maryland, Pink Killarney, Richmond, Perles, White Killarney, Kaiserin, 2½-in., \$5 per 100; \$47.50 per 1,000. J. L. Dillon, Bloomsburg, Pa.

ROSE PLANTS.

	Per 100	Per 1,000
2½-in. fine young stock		
Richmond	\$3.50	\$30.00
My Maryland	4.00	35.00

WIETOR BROS.

162 N. Wabash Ave. Chicago

Roses, 2½-in., American Beauty, \$5 per 100; \$45 per 1,000. W. Killarney, P. Killarney, Melody, Sunrise, \$4 per 100; \$35 per 1,000. Richmonds, \$3 per 100; \$25 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Leedle Floral Co., Springfield, O.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Roses, McHutchison & Co., 17 Murray St., New York.

Roses, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Roses, 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses, Bobbink & Atkins, Rutherford, N. J.

Roses, W. & T. Smith Co., Geneva, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

ROOTED CUTTINGS.

Rooted Cuttings: Abutilon Savitzi, Acalypha Macaefana, Schryanthus Emersoni, ageratum, 6b. vars.; alternantheras, 8 vars.; Alyssum, double, giant and dwf.; Begonia Vernon, Gracilis, luminosa, Cuphea, Coleus, 10 vars.; Coleus Brilliant; Chrysanthemums, 75 pompon vars.; bell-cy; trope, hardy English Ivy, lantana, 15 vars.; lemon verberna, moonrines, petunias, Salvia Bonfire and Zurich; pavior jr., Swainsona alba and rosea. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Rooted cuttings: Verbenas, 70c per 100; \$6 per 1,000. Ageratum, 60c per 100; \$5 per 1,000. Heliotrope, daisies, salvia, \$1 per 100; \$8 per 1,000. Feverfew, petunias, \$1.25 per 100; \$10 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Alyssum, double, \$1 per 100; \$8 per 1,000. S. D. Brant, Clay Center, Kans.

Rooted cuttings, Ageratum, Stella Gurney, 60c per 100. Daisy, Mrs. F. Sander, \$1 per 100. Hydrangea Otaksa, \$1 per 100; Vinca Var., 75c per 100. Edward Wallis, Berlin, N. J.

SALVIAS.

SALVIAS, Splendens, Clara Bedman, Zurich, Fireball, Strong transplanted seedlings, 75c per 100; \$7 per 1,000.

EDW. DOEGE COMPANY, Chicago, Ill.
4344 S. Springfield Ave.,

SEEDS.

Seeds, beans, beets, cabbage, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

THE SAWYER ASTERMUM—Eight years of strict selection places it on the mountain top of perfection, in color, size and profit. Price (cash with order), \$8 oz.; \$4.50 ½ oz.; trade pkg., 1,000 seeds (not mixed), \$1. Colors: White, pink and lavender. Send for cuts and description. ALBERT A. SAWYER, Forest Park, Ill.

Have lovely shell-pink CREGO ASTER SEED, ½ oz., \$1; oz., \$2; 2 ozs., \$3.50. Shunshine Flower Gardens, 3365 East 139th St., Cleveland, Ohio.

Flower seeds. For varieties and prices see advertisement elsewhere in this issue. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Seeds, cauliflower, white Tripoli onion, (crystal wax) and all other vegetable and flower seeds. Dammann & Co., San Giovanni a Teduccio near Naples, Italy.

Seeds, beets, cabbage, carrot, celery, lettuce, onions, parsley, radish, rutabaga, turnip. De-naiffe & Son, Carignan, France.

Seed, perennial rye grass, \$3.75 per 100 lb. bag. Avenue Floral Co., 3442 St. Charles Ave., New Orleans, La.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, specialties: Beets, mangoes, carrots, cabbage, celerias, parsleys, parsnips, turnips, R. & M. Godineau, Angers, France.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, pepper, asparagus, tomato, musk and watermelon. J. E. Hoopes & Co., Box 38, Muscatine, Iowa.

Seed, lawn grass. The Albert Dickinson Co., Chicago.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, Japan clover, Bermuda onion seed, Chris. Reuter, New Orleans, La.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onions, lettuce, carrot, radish. Brazilian Seed Growers Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds, lawn grass. J. Oliver Johnson, 1874-76 Milwaukee Ave., Chicago.

Seeds, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, garden and flower. S. L. Woodruff & Sons, 82-84 Dey St., New York.

Pedigree seeds. Watkins & Simpson, Ltd., 12 Tavistock St., Covent Garden, London, England.

SHAMROCKS.

Shamrocks, true Irish, 1½-in., pots, \$3 per 100; \$25 per 1,000. Strong plants in 1-in. pots with saucer, \$4 per 100; \$35 per 1,000. Frank Oechslin, 4911 W. Quincy St., Chicago.

SMILAX.

Smilax, 4-in., \$1 per doz. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons. Ramburg's famous silver pink, rooted cuttings, \$2 per 100; extra strong 2½-in., \$3.50 per 100. Addems, Morgan & Co., Paxton, Ill.

STRAWBERRIES.

Fall bearing strawberry plants, best varieties; catalogue free. Basil A. Perry, Cool Spring, Del.

VEGETABLE PLANTS.

800,000 vegetable plants. Cabbage, cauliflower, tomato (100 postpaid 60c), 1000, \$4. Beets, lettuce, asters (100 postpaid 35c), 1000, \$2. Glicks Plant Farms, Lancaster, Pa.

Asparagus roots, 2-year-old, Barr's Mammoth, Columbian Mammoth White, Conover's Colossal and Dreer's Eclipse, 50c per 100; \$4 per 1,000. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Tomato plants, Sutton's Best of All and Bonny Best, the latter from greenhouse grown seed; extra strong 2½-in., \$2 per 100. Addems, Morgan & Co., Paxton, Ill.

VERBENAS.

VERBENAS, mammoth flowering, white and pink, strong transplanted plants, 70c per 100; \$6 per 1,000.

EDW. DOEGE COMPANY, Chicago, Ill.
4344 N. Springfield Ave.,

Verbenas, Defiance, red; Maydower, pink; Mammoth, purple; Italian, striped; all strong seedlings, ready for 2-in. pots, prepaid, \$6 per 1,000; \$1.75 for 250. P. Pearson, 5732 Gunnison St., Chicago.

Lemon verberna, rooted cuttings, 100 prepaid, 75c. Chas. Frost, Kenilworth, N. J.

VINCAS.

Vinca Variegata, fine rooted cuttings, \$5 per 1,000. Green vinca, \$3 per 1,000. Write quick; sample on request. D. E. Adsit, Jamestown, Ohio.

Vincas, 2½-in., \$3 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

TO EXCHANGE.

To exchange—Princess Charming Carnation cuttings for White Enchantress. John W. Eldredge, Belvidere, Ill.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material of all kinds. Hotbed sash. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Building material. Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash, Hitchings Co., 1170 Broadway, New York.

CARNATION STAPLES.

SUPERIOR CARNATION STAPLES. Mend your split carnations. Finest article for carnation growers introduced so far, 50c for 1,000, postage paid.

MICHIGAN CUT FLOWER EXCHANGE. Detroit, Mich.
38-40 Broadway.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs, Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, semi-iron green houses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing avenue, Brooklyn, N. Y.

MISCELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5936 Penn Ave., near Highland, East End, Pittsburgh, Pa.

The Hontsch boiler. J. P. Dahlborn, general agt. U. S. A., Grand Central Palace, New York City.

Siebert's glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

Greenhouse glass. Baur Window Glass Co., Eaton, Ind.

Olmsted's improved mole trap. L. H. Olmsted's Son, Hasbrouck Heights, N. J.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

Florists' Supplies of all kinds. T. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Iron reservoir vases and lawn settees. McDonald Bros., Columbus, O.

Anti-Klog, the Sprayer of many uses. Illinois Metals Co., Chicago, Ill.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Glass. Sharp. Partridge & Co., 22nd and Lumber Sts., Chicago.

Greenhouse White Lead Paint. William H. Lutton, Jersey City, N. J.

Bauer Seed Germinator, 35c each; \$3.50 per doz. Bauer Germinator Co., Manitowoc, Wis.

Florists' supplies of all kinds. Percy Jones, 56 E. Randolph St., Chicago.

Threads, all kinds (Green Silkaline). John C. Meyer Thread Co., Lowell, Mass.

Tree tubs and brass hoop jardinières. The American Woodenware Co., Toledo, O.

PRINTING.

Special Florists' Printing. Samples free. Oscar Fink, Pottstown, Pa.

MATS.

MATS.—We make not only the most practical but the cheapest HOTBED and COLD FRAME MATS on the market. A large per cent of our orders come from gardeners and florists who have tried them and are pleased. Our mats are in use in Iowa, Ill., Ind., Ohio, Minn., Wis., Mich., New York, Maine, Mass., Conn., R. I., N. J., Va., W. Va., and Pa. Also in British Columbia and Ont., Canada. Send for circular. WATTS BROS., Kermoor, Pa.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

STAKES.

Cane Stakes, Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems about 6 feet; per 100, 60c; per 1,000 \$5. Vaughan's Seed Store, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



This is our Junior Melon Frame $19\frac{1}{2} \times 20\frac{1}{2}$ inches. Made of cypress bolted together with cast iron corner cleats. Painted one coat best lead and oil. See text for price. We make a large size— $22\frac{1}{2} \times 25\frac{1}{2}$ inches—for \$1.25 each.



A single plant frame like this— $11\frac{1}{2} \times 13\frac{1}{2}$ inches—is no-end handy for a hundred and two different things. Starting cukes, for instance, boosting along clumps of flowers and so on, and so on. You'll wonder how you ever got along without them. 10 cost \$6.25; 25 cost only \$15.00.

Garden Frame Bargain

JUST to show you what a real bargain these frames are, take the melon frame on what it would cost you to make it.

4 cast iron corner cleats, at 10c.....	\$0.40
16 bolts for the cleats.....	.20
Glass.....	0.10
Cypress (sap free) at least.....	0.30

Total.....\$1.00

One dollar for the materials alone and nothing added for the time and bother of making them or for the paint, or time for painting.

Our price: 5 for \$4.40 or 10 for \$8.50.

Frames are shipped knocked down with holes all bored for immediate bolting together. Sashes are glazed and carefully packed in crates. Can ship five or five hundred at once.

Order at Once—Freights are Slow—Warm Days Due

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FACTORIES:

Irvington, N. Y.
Des Plaines, Ill.

Nassau County Hort. Society.

The regular monthly meeting of this society was held at Glen Cove, N. Y., on Wednesday, March 12, with a good attendance. President Brown was in the chair. Mrs. A. Fletcher, Glen Cove, was elected an honorary member and S. Bracket, Locust Valley, an active member. The exhibits of plants and cut flowers were especially good. James Duthie, Oyster Bay, exhibited three varieties of Freesia Thunbergii. The colors in this freesia are very pleasing and they are sure to become favorites for conservatory and house decorations. The varieties were Dainty, La Phare, and Sweet Lavender. The society's prizes for cineraria, cauliflower and stock were won by A. Mackenzie, P. Charbonnié and J. MacDonald. A certificate of culture was awarded to J. W. Everatt for a basket of fine mushrooms. Honorable mention to J. Duthie for vase of carnations and honorable mention to J. Ingram for narcissus. A. Wilson, representing the plant oil firm of that name, was present and offered a substantial cash prize to be put up at our next fall show. It was decided to hold our next meeting April 16 at 7 p. m., and prizes are offered for 12 roses, 12 darwin tulips and one calceolaria.

JAMES MACDONALD, Sec'y.

DETROIT, MICH.—A handsomely illustrated full page article on the L. Bomb Floral Co., Albert Pochelon, proprietor, is contained in the Detroit Saturday Night for March 15. The firm recently completed a beautiful new home. The Bomb company was established by Mrs. Louisa Bomb in 1893, shortly after she arrived in this city from Germany. On her death in 1900, Mr. Pochelon, her son, assumed control.

IT MAKES NO DIFFERENCE TO A "RED DEVIL"

What grade of glass is to be cut. This "RED DEVIL" will cut it.



No. 024 *"It's all in the wheel"* Glass Cutter

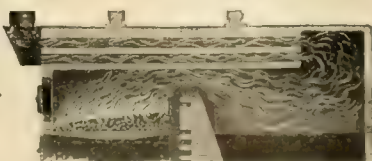
The original "RED DEVIL," the one tool the glaziers know and use. It never had an equal and we doubt if it ever will. Millions have been sold. It is known throughout the world as the cutter supreme. It is sold everywhere and used everywhere. You use it for your greenhouse glass? No. Well, send us three 2c stamps and we shall send you ONE free sample. All we ask is that you try it.

SMITH & HEMENWAY CO., 150 Chambers St., N. Y.

Mention the American Florist when writing

The KROESCHELL Boiler

IS THE ONLY
PERFECT HOT
WATER BOILER



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WE MANUFACTURE EVERY TYPE OF BOILER IN USE,

but our Green House Boiler, because of its special form of construction, possesses many advantages over those of any other type.

KROESCHELL BROS. CO., 452 W. Erie St., CHICAGO

Mention the American Florist when writing



The Florists' Savings Bank

You Can Save 50 per cent of Your Coal Bill

The Hontsch Boiler

at the International Flower Show will show you how

J. P. DAHLBORN

GENERAL AGENT FOR U. S. A.

Grand Central Palace : NEW YORK CITY

Westchester and Fairfield Hort. Society.

The regular monthly meeting of this society was held in Doran's Hall, Greenwich, Conn., March 14, President Robt. Williamson in the chair. The splendid enthusiasm displayed by the members is noticeable for the attendance maintained at our meetings is excellent, especially considering the long journey some of our members have to make. Feelings of regret were felt by all present, in the resignation of our vice-president, Oscar Addor. By the unanimous vote of the members H. Wild, Greenwich, was elected vice-president for the ensuing year. The best wishes of the society were extended to James Aitchison who is about to leave this locality to take up his residence elsewhere.

The speaker for the evening was Wm. Scott of Elmsford, N. J., who delivered a very practical address on the growing of carnations. This meeting being chosen as carnation night, brought out a large number of fine exhibits, the three prizes given by the society being awarded as follows: James Aitchison, first; A. L. Marshall, second; E. Johnson, third. Excellent culture was noted in the following exhibits: A. L. Marshall, honorable mention for Nephrolepis magnifica; James Aitchison, cultural certificate for cyclamen and Primula malacoides; A. Wynne, honorable mention for Schizanthus Westonensis; Alex. Geddes, honorable mention for carnation seedling; Thos. Aitchison, cultural certificate for vase of calla lilies; Geo. E. Baldwin Co., Mamaroneck, N. Y., highly commended for finely flowered plant of Cattleya Lawrenceana; P. W. Popp, honorable mention for carnation California Giant and lily of the valley; Thos. Aitchison honorable mention for seedling amaryllis; Louis Wittman, honorable mention for roses Madison and My Maryland; Thos. Ryan, vote of thanks for shamrock from County Cork stock (the genuine article). Professor Jarvis of Yale has promised to deliver an illustrated lecture at our next meeting on "the Diseases of Fruit Trees." We hope every member will make an effort to be present, for this lecture should prove of vital interest to all.

OWEN A. HUNWICK, Sec'y.

HELENA, MONT.—The local Commercial Club will give a vaudeville performance March 24, the funds to be devoted to the August flower show.

Preserve Cut Flowers in

BUCHBINDER Florists' Refrigerators

Write to Dept. 63 for illustrated catalog.

BUCHBINDER BROS.

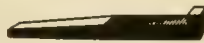
518 Milwaukee Ave., CHICAGO, ILL

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our Metal Designs, Baskets, Wire Work, and Novelities, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.



SIEBERT'S ZINC

Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{4}$ and $\frac{1}{2}$ inch. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade

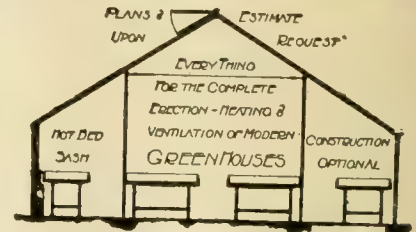
RANDOLPH & McCLEMENTS, Florists.
5936 Penn Ave., near Highland, Pittsburgh, Pa

Albany, N. Y.

Whittle & Riggs, who for some years have been located at the north-east corner of Hudson avenue and Grand street, will, on May 1, remove to 93 Hudson avenue, two doors east, where they plan to have larger facilities for their business.

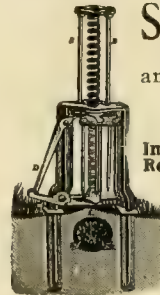
R. D.

NEW ORLEANS, LA.—The partnership existing between Louis Buchner and Henry Kraak, known as the Nashville Avenue Rose Garden, has been dissolved. Mr. Buchner will go into business for himself as florist and landscape gardener at Iberia.



S. JACOBS & SONS

1361-1383 Flushing Av., Brooklyn, N. Y.



SPRING weather and Moles are at hand. One brings gladness, the other brings annoyance.

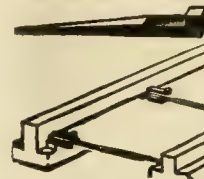
Destroy the latter by using

Olmsted's Improved Reliable MOLE TRAP

Ground Moles, their habits and how to catch them—a Book, Free.

L. H. OLMSTED'S SON,

Hasbrouck Heights, N. J.



Siebert's Zinc Glazing Points.

Good for small or large glass, do not rust, easy to drive $\frac{3}{4}$ and $\frac{1}{2}$ inch Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00

Vaughan's Seed Store
Chicago, New York.

DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade

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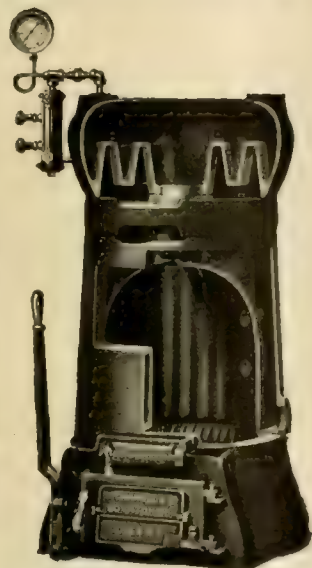
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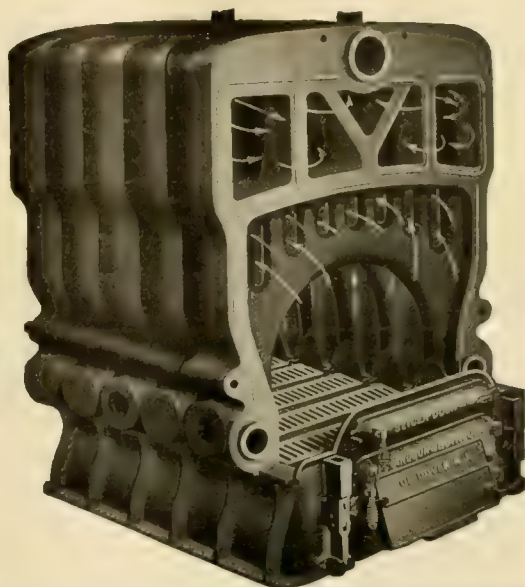
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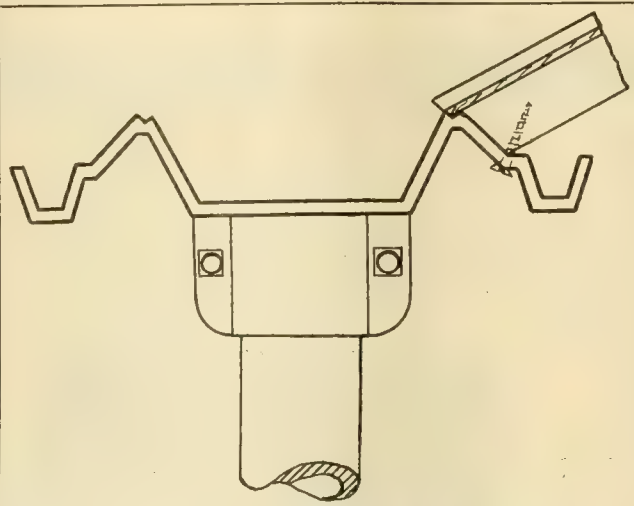
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TRADE VERY GOOD.

Business the past two weeks has been very satisfactory with plenty of all stock to meet the demands. Funeral work the past week has been exceptionally heavy. Lent has not affected business this year as in years past. Easter is looming up ahead of us and we expect to do a big business, with enough stock to fill all orders. Lilies are in just right, and nearly every one has enough to supply his trade with enough over to help the other fellow out should he run short.

CLUB MEETING.

The meeting of the Tri-City Florists' Club, which was to have been held at the home of Wm. Knees, was transferred to the home of John Staack. Nearly every member of the club met in the early afternoon and were escorted by Mr. Staack to his new range at Watertown, Ill., a suburb of Moline. Here the boys found a fine luncheon prepared for them on their arrival. Mr. Staack's range of houses—400 feet long—is all planted to carnations and sweet peas and they were a pleasing sight. All were in full crop and well grown, just right for the Easter cut. The range includes a fine brick boiler shed with two large boilers and ample room for several more, and with plenty of room for the storage of coal and soil. A work shop is also included with everything up-to-date—electric lights, telephones, etc., etc. An electric driven pump supplies them with plenty of water with 80-pound pressure if wanted. A reservoir built on a hill nearby and holding several thousand barrels of water, is kept filled for emergencies. Mr. Staack says they will probably build several more houses at this place late next fall. After a thorough inspection of the establishment, the boys boarded the cars in waiting and were taken to the old range in Moline. This range is old in name only, however, as this city establishment has all been rebuilt in the past few years and is as up-to-date a retail place as can be found anywhere. After inspecting this range, the members were called to order and the regular business of the club attended to. The following officers were elected for the coming term: John Staack, Moline, Ill.,

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president; Henry Pauli, Davenport, Ia., vice-president; Wm. Goos, Bettendorf, Ia., recording secretary; Carl A. Anderson, Moline, Ill., financial secretary; Wm. Knees, Moline, Ill., treasurer; Julius Staack, Ludwig Stapp, R. Rohlf, trustees. "Lawns" furnished the topic for the evening. Fertilizing, destroying dandelions and other weeds, etc., were fully discussed by nearly all the members present. The hostess then announced supper and the guests adjourned to meet in the spacious dining room, where a fine hot supper was spread. To say the boys enjoyed themselves is putting it mildly. H. M. Bills, of Davenport, will entertain the boys at the next meeting.

NOTES.

The Davenport Nursery, of forty years standing, has been sold to Wm. M. Mast, a graduate of Ames Agricultural College, Ames, Ia., and the forestry department of Yale University, and W. J. Duppert, graduate of the forestry course at Ann Arbor, Mich. Both gentlemen have been connected with the United States forestry department the past few years and Mr. Duppert is also a professional landscape gardener.

Miss Waltman is suffering with a very sore finger, blood poison having set in as a result of being pricked with a rose thorn.

R. M. C. Rohlf, the Alta Vista nurseryman, is building a concrete storage cellar, 24x36 feet and 12 feet deep.

Ludwig Stapp contemplates adding two more houses to his range this summer.

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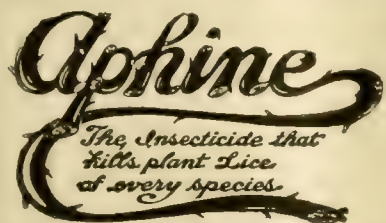
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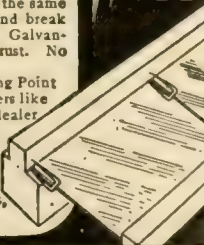
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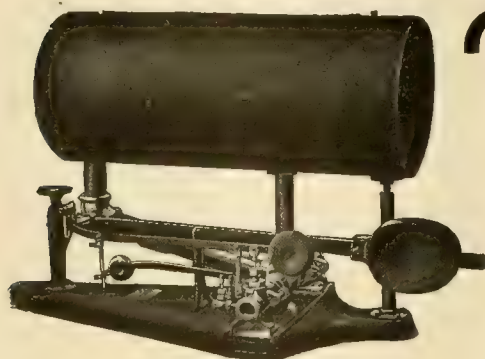
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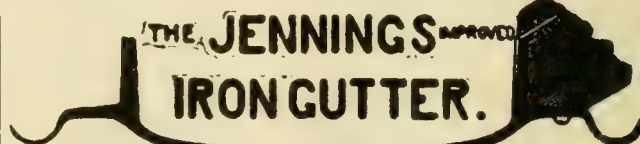


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Vol. XL

CHICAGO AND NEW YORK, MARCH 29, 1913.

No. 1295

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address; **AmeFlo, Chicago.**
Subscription, United States and Mexico, \$1.00 a
year; Canada, \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August 3, 1901.

Address all correspondence subscriptions, etc.,
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SUGGESTIONS FOR PLANT GROWERS.

Bedding Stock.

The general florist will now have his hands full with bedding stock which should now be spread out and given the necessary room. The geraniums should be spaced and if any have grown too tall to make shapely plants the tops should be cut back, but at the present day the trade wants a geranium in bloom at bedding time and very little pinching should be done after the first of April, for it will take from then until the first of June to produce a new branch with a flower. Ageratums, alternantheras, alyssums, heliotropes and like blooming plants should be kept on the move and be given good, light positions. Salvia should be kept pinched back until the latter part of the month which should produce fine shapely plants. The coleus should be rooted and the top rubbed out as soon as established in the pots. Seedlings should be potted or flatted, the former preferred if a price can be obtained commensurate for the extra labor, but if flatted give them room enough to develop properly. Cannas will now require a warm, light location and plenty of root room. The one great factor in growing good bedding stock is, at this season, to keep the plants moving and never allow them to get a check, for if once severely checked a good plant is an impossibility.

Potting Young Stock.

At this season of the year the plant grower will have thousands of young seedlings to pot or place in flats and as many more to shift from a small pot to a larger size, and it does not seem that any instruction in potting should be necessary, but we chanced not long ago to see a boy potting and wondered if the plants would live and we then saw in the houses many of the plants which had been potted struggling for existence. It seems to be the general idea with the young gardener that the one that can pot the most plants in a given time is the smartest, regardless how well it is done and how the plants afterward grow. The young man whom we saw would fill the pot full and then make

a hole in the soil with his finger, place the seedling in the hole and then press the top soil around the stem. The chances were that the roots of many of those plants were still hanging in an enclosed hole in the center of the pot, for the soil should have been firmed around the roots. That he could handle a large number of plants in a given time was no question, but a much better plant can be grown if the soil is made firm around the roots first and then the top firmed down. The same thing happens in transplanting where the loose soil is thrown around between the plant and the pot and the top then firmed down. A little soil should be first thrown in the bottom of the pot and the plant placed in this, then a little soil around the plant which should be firmed down, then a little more soil which can be pressed down from the top. This will take longer, but the plant will live and grow enough better to pay for the extra pains.

Hardy Roses.

The rose bed should be pruned and then spaded as early as possible after the ground has opened and if the canes have been buried the covering removed and the canes cut back. To properly prune a bed of hybrid perpetual roses is a careful, painstaking piece of work. This work is too often done in a careless, haphazard manner, and by many every variety is cut back alike. To get the best results a study of the varieties is necessary, for instance, strong growing varieties like General Jacqueminot and Magna Charta can be cut back and the small wood cut out much more severely than Prince Camille de Rohan or Mme. Gabriel Luizet. When pruning it is first necessary to determine whether quantity or quality is the most to be desired. If quantity is wanted more wood can be left and six to eight eyes left on the canes. If quality is the main object this must be obtained at the expense of quantity, and the strong canes only retained and these cut to two or three eyes, depending on how the eyes are located. The top eye that is left should be pointed out from main stem so that when the growths

start they will not crowd toward the center. This will allow of plenty of room for development and a good circulation of air through the plant. After bushes are pruned the soil should be spaded good and deep and leveled off.

Peonies.

As soon as the frost is out of the ground the peony beds should be forked over and the manure mulch that was placed on them last fall should be forked or spaded in, but let this be done by a careful man, or at least not by help that knows nothing about this work. The young growths start very early and are very tender so it is best not to fork too close to the crowns, but loosen up all the soil around the plants. It is also well to leave the stems covered as deep as they have been all winter, for a sharp frost may injure a stem that has been protected through the severe winter and then subjected to sharp cold. But the loosening of the soil to good depth will conserve the moisture and allow the air to get into the soil. If the plants were not mulched with manure in the fall it is well to spread some old manure, not fresh, on the beds before spading and fork it in.

Although the fall is the best time to transplant peonies, yet, if not done and it is desired or necessary to move them, they can be transplanted early in the spring, but this must be done before the growths are above the surface of the ground and as much soil left about the roots as possible. These plants make their young roots in the fall and if any attempt is made to shake the soil off, the roots will be broken doing this. Divisions must therefore be carefully made, so as not to disturb the roots more than possible. The dry roots that are purchased at this time are much better planted in pots or boxes until the roots are formed in the soil and later transplanted to the ground. It cannot be expected that plants of this kind will produce any flowers this year, for it will only be possible to get them established in their new location the first season.

Flowers.

Your voiceless lips, O flowers! are living preachers.

Each cup a pulpit, every leaf a book,
Supplying to my fancy numerous teachers
From loveliest nook.

Floral apostles! that, in dewy splendor,
"Weep without woe, and blush without a crime."

Oh! that I deeply learn, and ne'er surrender
Your lore sublime!

In the sweet-scented pictures, heavenly artist!
With which thou paintest nature's widespread hall,

What a delightful lesson thou impartest
Of love to all!

Not useless are ye, flowers! though made for pleasure,

Blooming o'er field and wave, by day and night,
From every source your sanction bids me treasure,
Harmless delight.

Posthumous glories! angel-like collection!

Upraised from seed or bulb interred in earth,
Ye are to me a type of resurrection,
And second birth.

Were I, O God! in churchless lands remaining,
Far from all voice of teachers and divines,
My soul would find, in flowers of thy ordaining,
Priests, sermons, shrines!

HORACE SMITH.

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THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Easter in New York Stores.

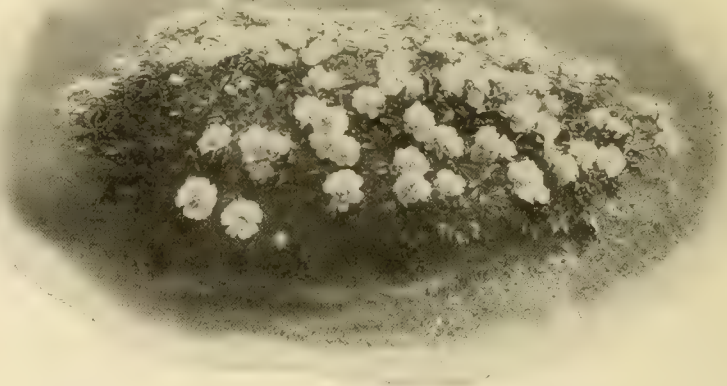
With a wealth of fine stock to choose from, the designers and decorators produced beautiful and artistic effects in show windows and stores. However, before going into details of the work of the decorators, something may appropriately be said of the work of the growers. It is unnecessary to state that the quality of stock improves from year to year and it would be surprising if it were not so. Pains-taking endeavors and ripe experience in horticulture, as in many other lines of human endeavor, have borne much good fruit. We have sometimes seen well grown stock, well grown so far as the needs of the plant were concerned, lose a considerable percentage of its value by careless and indifferent training and arrangement for market. In this respect the growers are making great advances. The art of cutting, pruning or shearing certain plants into fantastic shapes and figures, is an old one that has grown obsolete, but the art of growing a plant into an attractive shape is progressing. While we have much the same varieties of plants that were seen last Easter, there seems to be improvement all along the line in the manner of preparing them for market and much of this has been done by intelligent growing.

The pot roses were a very striking feature in the plant and retail stores, regarding numbers and quality. In fact, they were so plentiful in some stores that they almost overshadowed the other stocks. Dorothy Perkins, American Pillar, Lady Gay, Hiawa-

nature and an indifferent one at that. Aside from the question of a blue rose ever becoming popular, this one is not true blue; it is about as good a blue as most of the St. Patrick's day carnations are green.

While there were very creditable pot lilies to be seen, the exhibit is not all that could be desired. It is estimated that thirty or forty per cent of the crop intended for Easter did not come in, but considering the early date, there is no particular cause for complaint. The acacias were a notable feature of many stores. There were truly magnificent specimens of acacia pubescens and many of the others were also very fine. In several stores we noticed a large acacia pubescens used as a centerpiece for the show window, and tastefully decorated with yellow ribbon to match the flowers, they were noble specimens. Orchid plants were leading features and the leading varieties are seen in fine bloom and more will be said of them before we close.

The genistas were very prominent and very finely shaped and beautifully flowered. We cannot recall an Easter when so many good genistas were to be seen. Another stock that makes a beautiful exhibit, is the bougainvilleas. They are in practically all sizes, from large plants that have been trained to an arch, down to the five or six inch pots of lower growth, but all covered with bloom. The fine old azalea family had an Easter re-union and unlike some other "first families," showed no deterioration in numbers or good blood, if that term is allowable. Many of the azaleas are very large and well flowered and they make a grand display. The varieties of ericas or heathers, were not as a rule, very



A PEONY BED.

tha, the Baby Ramblers, Crimson Ramblers and Tausendschon, are all seen. Of the climbing roses, Tausendschon, Dorothy Perkins and Lady Gay are particularly attractive. Grown well and exhibited as a single plant Tausendschon, as we have seen it, is superior to any other rose. This does not detract from the beauty of the others, which are also seen in good form. Lady Gay we consider well adapted for combination baskets. There is a blue, or violet, rose to be seen, but we would call it a freak of

notable, yet there is some very creditable stock which is used with good effect in combination baskets and hampers. Small bougainvilleas, azaleas, primroses and tulips are also much used in combination. In the cheaper lines of trade pans of hyacinths, tulips, narcissi and pink mountain moss, may be noted. They found ready sale. There is also a fair supply of geraniums on the market.

In hydrangeas, there were some very fair stock, but it showed the effects of hard forcing. The white va-

rieties are seasonable and should be popular Easter plants. There seemed to be more of a tendency to good single plants and less to large combination baskets, which we think is right. Nevertheless, there is always stock that can be effectually used in combinations. That left to itself would appear tame. It would appear that the ribbon men have said about the last word in suitable shades. There seems to be a shade to match every flower and the decorators are using them with fine effect. There have been times when some of the decorators dulled the beauty of the flowers by a garish display of ribbon, but happily, that is passing. On some plants chiffons are now used with good effect.

Daisy plants of very large size and covered with flowers were seen in a number of stores. While brighter colored stocks have to a considerable extent overshadowed the daisies they yet have admirers. Rhododendrons of fine quality were not infrequently seen. There was also a considerable stock of lily of the valley in pots and pans.

At Charles Thorley's House of Flowers, Fifth avenue and Forty-sixth street, there was an unusual and remarkable exhibit of orchid plants in full bloom. The large show window fronting Fifth avenue was filled with orchid plants in variety and we doubt if any such exhibit was ever before seen in a retail store in this or any other city. In addition to those exhibited in the window there were hundreds in other parts of the store. At the close of the Easter business we were informed by Mr. Thorley that his stock of orchids was nearly sold out. Not alone in orchids was this store notable. It was filled with the choicest productions from the best plant growers and sales were very heavy.

George M. Stumpp, Fifty-eighth street and Fifth avenue, had a remarkably fine stock of climbing roses, Tausendschon and Dorothy Perkins being especially fine. Orchid plants were also prominent at this store. There were many fine baskets, and readers of THE AMERICAN FLORIST are well aware of the high quality of work in that line that is turned out by Mr. Stumpp.

At the store of Charles A. Dards, Madison avenue and Forty-fourth street, there was a splendid exhibition of first class plant stock, notably roses, acacias, rhododendrons, azaleas and genistas.

At Wadley & Smythe's, Fifth avenue and Forty-second street, the show window was a great feature, being rearranged from day to day. When we saw it, a grand specimen of *Acacia pubescens* was the centerpiece and it was flanked by many other fine plants. The color scheme was yellow and just enough yellow ribbon and chiffon was used to carry out the scheme.

Max Schling's store, Central Park and Fifty-ninth street, was filled with fine plants and a large force was kept busy.

Alexander McConnell's store was brilliant with fine plants. In front of the store a pleasing effect was produced by a bountiful exhibit of *forysthia* in tubs.

A. Van Praeg, Fortieth street, opposite Bryant Park, had a fine assortment of plants and cut flowers. At this store we noted a novel jardiniere, a stock of which had been imported from Germany. It was supported by



PEONY BEDS IN A PUBLIC PARK.

two very natural looking rabbits, one on each side. It is a novelty that we feel sure will become popular.

David Clarke's Sons, Broadway and Seventy-sixth street, had a very large stock of fine plants. This firm has very large floor space and caters to an exceptionally fine family trade.

Malandre Bros., who have two fine stores on Broadway, had fine stock and were well sold out.

Charles Brown's attractive store was even more attractive than usual, and he and his staff were very busy.

At Herman Warendorf's, in the Ansonia hotel, there was an excellent display of plant stock and fine carnations were seen.

J. H. Small & Sons, Broadway near Twenty-sixth street, had at the beginning of the Easter business a store full of fine plants which were well thinned out by Saturday night.

At the stores of Charles C. Trepel, in Bloomingdale's, Gimbel Bros. and Simpson & Crawford's, an immense amount of plant stock was exhibited and sold. Many wagon loads of cut flowers were also sold at these stores. We have to give Mr. Trepel credit for boosting the publicity movement, as our idea of publicity is to get the people and the flowers together, then sell the flowers.

It is impossible in this article to name all the stores where good stock

was seen. We have mentioned a few to give an idea of the leading features. All the stores had as good stocks of lilies as could be secured and they sold well, but we have now such a variety of color that the lilies seem to be almost overshadowed. In cut flowers, *Cattleya Trianae*, *C. gigas*, *C. Schroederi*, gardenias, roses, lily of the valley, lilies and sweet peas were prominent factors and sold well. Many carnations and violets were also called for, though it is evident that the violet's popularity has sadly waned. It may here be noted that good single violets were more popular than the double varieties. There was an immense amount of poor violet stock on the market. Strictly first class stock of pink roses was not plentiful, but there was an immense amount of the inferior grades. Both red and yellow roses were slow and the price of American Beauties fell down on Saturday.

A. F. F.

Easter Notes of the Chicago Stores.

The writer is not prepared to say what the profits might be this Easter, but, judging from the displays, both in richness and variety, 1913 seems to have been a banner year. The stock grown, the manner of selling, and the economy of management being so varied, there were naturally varying degrees of success with the

Easter stock. But, although Easter comes very early, the profits of the florist this year should compare favorably with their best seasons of previous years. One fact, very flattering to the florists in this vicinity, was the unusually fine display of blooming plants of uniform growth, fine foliage and rich coloring.

The E. Wienhoeber Co. display room was a perfect bower from fairyland. The ceiling was a lace work of smilax intermingled with the daintiest of hanging baskets—daffodils and jonquils vieing with each other for supremacy. The little electric lights were covered with yellow shades made to represent large roses. Symbolical of Easter, a tall wreath in the shape of an egg about five feet in height was made of gilded magnolia leaves with a festooning of small oak branches and leaves which were also gilded. Stretched across the center was a suitable card of bluish tint on which the words "Easter, 1913" were written in gold. Gold ribbon rosettes and streamers served as a finish. Tall ivies were used as a background to offset its artistic beauty. Mr. Wienhoeber stated that the fancy plant baskets were very popular among his trade. Among the many beautiful ones shown may be mentioned the following: An Egyptian urn shaped basket with a Japanese maple in the center, an Easter lily on either side with two deep pink azaleas to give it a touch of color with Boston and maidenhair ferns as a finish. A window basket with handles at the ends of about two feet in length was filled with the deep pink dwarf azaleas, with two small Easter lilies in the center—maidenhair and other small ferns interspersed—and a trailing vine used to cover the handles. The vine used was the ampelopsis. An urn hanging basket suspended with bronze chains, the basket being a bronze green, was arranged with Easter lilies and Alpine violets with the ampelopsis as a finish. A very fine specimen of an acacia was also displayed. Also some very fine specimens of the Lady Gay baby rambler rose trained on sticks to represent an arbor or trellis. Many fine blooming plants were displayed. To admire a plant for its beauty is one thing; to understand its life is another. To this end Mr. Wienhoeber has shown his appreciation of service to his customers for he has each plant labeled: "Please water this plant every day."

The Fleischmann Floral Co.'s windows were most artistic. Particularly so was the one arranged with oncidium orchids, among which were arranged a fine display of basket Easter hats in very harmonious colorings. It was a window unequalled for originality and style composition. Many choice spring flowers were also shown. A fine specimen of a red pyramid azalea was displayed. Also an unusual basket of immense proportions made of bird's nest straw, and which looked as if each little strand had been gathered by some bird and put together into a basket and just fastened here and there. This was planted with a wealth of fancy pink rose bushes with an immense Lady Gay rosebush in the center. A dainty gauze ribbon was woven around the tall handle and was a stunning novelty for the buyer with unlimited purse.

Canger & Bergman, among other novelties, displayed a fine bottle brush plant set in a tall soft green hand-made Italian basket, a fine combination for the brilliant crown of orange and red blossoms surrounded with a wealth of beautiful foliage. The Japanese maple tree was most daintily displayed in one of these Italian baskets. They also had a fine window display of fancy plant baskets in which the most artistic effects were produced by associating contrasting plants, such as a lily, baby rambler, cinerarias, genistas, hyacinths and tulips. Curious little pussy willows appeared in and among the blossoms and the little ducklings shared in the honors, for in the ribbon ornamentation of each basket one of these little ducklings was perched. Among other novelties, a very handsome gold basket was prominent in its simplicity, for it was planted with lily of the valley surrounded with a hedge of pussy willows. One tall pussy willow had a beautiful butterfly perched on its utmost branch, the butterfly being of pronounced yellow with large extended wings. Tub baskets with just a small group of tulips in the center surrounded with green moss, showing the basket very distinctly, were noticeable for their simplicity.

Chas. A. Samuelson's window suggested an original and artistic Colonial garden effect. In the background was the old fashioned Colonial fence and garden gate in an immaculate coat of white enamel. It was of an original and attractive design, care being taken to have the lines artistic. Baby ramblers were trained over trellises at the sides and reached well up to the ceiling of the window. A garden bank effect was used at the foot for a finish, ferns and palms being used further to enhance the pink and white effect of the ramblers and the garden gate. In the center of the window was displayed an unusual wistaria tree. The beauty of its pale purple flowers and wealth of rich foliage can hardly be described in words. It was finished around the tub with sheets of green moss. Its majestic grandeur and simplicity of surroundings made it wonderfully attractive.

John T. Muir is fortunate in having an extensive space in which to make a fine display of large fancy potted baskets. Simplicity was the keynote of his arrangement. Among his novelties may be mentioned some fine specimen purple bougainvilleas. These were sturdy, rich looking plants, with a wealth of blooms. Purple ticking with an artistic bow was used as a finish for this novelty. His baskets were the embodiment of grace and dignity. Ferns in general were symphonies in green and an occasional color scheme was given by a shading in of a variegated dracena or a silver ivy. In some of the flat baskets pussy willow served as improvised handles on which little ducklings perched. Mr. Muir also displayed some fine spirea plants, which with their graceful spring surroundings held their own with the galaxy of other spring blooms.

J. Mangel displayed some very fine deep red rhododendrons dressed in mats of tea ticking of the wide raffia variety and tied with a ribbon of the same deep hue. They were very striking

in appearance. There was also displayed a very happy combination of a baby rambler rose, lily of the valley, and maidenhair ferns in a fancy basket design. A large artistic pink carnation wreath had for a head-piece an immense cluster of the butterfly sweet peas tied with a ribbon of the same hue. In this connection Mr. Mangel again showed his appreciation of the little things that make for beauty and originality, for he had fastened to the ends of the streamers a few rich colored pansies very appropriate for the sentiment they convey. Some of his Regent street nosegays seen this week were especially attractive. A combination of Prince de Bulgarie rose buds with one small one in the center surrounded with a row of forgetmenots and these in turn with a row of the rosebuds, and then another row of forgetmenots with a rose foliage for a finish, was very fine. The difference between the French nosegay and the Regent street design is that the French scatter the flowers throughout in uneven petite sprays, while the English make them up in a Colonial fashion, keeping each flower separately in circles or clusters as the case may be and giving more of flat effect.

The Bohannon Floral Co. windows were resplendent with fine specimens of the dwarf Scotch heather arranged in vases of ancient Roman design and some of the Dresden effect. Some very fine specimen planted basket effects were also shown. The new store "From Grower to Consumer" has some very prettily arranged baby rambler rose bushes trained in fancy baskets with loops for outer handles on which the branches of the roses were trailed, leaving an opening in the center from which a small canary cage was suspended in which was a real live canary singing his merry lay as if summer were really here. Here was also displayed the new "Radium" rose, a perfectly-shaped flower of a rich imperial pink color, shading a little lighter towards the edge as the flower expands. It is of a splendid color and entirely distinct, strikingly different from the silvery-flesh color which deepens to the center of the beautiful double form of Prince de Bulgarie.

Wm. J. Smyth showed potted plants in great variety and in the pink of perfection. Among his fancy planted baskets one struck the writer as being particularly novel and attractive in its arrangement. A white baby rambler was surrounded with Easter lilies of the dwarf variety, in the center and towards the side a taller genista was arranged with ferns of the Boston variety tapering down to the opposite side with a fine cluster of primula. The basket was a sort of tub effect with a handle on each side. On each handle a deep pink satin rosette was placed. On some of his designs were artistic ornaments of the embroidered gauze ribbons in two-tone effects. These were especially appropriate and dainty with the delicate simplicity of the primulas. Some rambler hybrids of the rich crimson variety were also shown dressed in ticking of the same rich red with a ribbon ornamentation of the same color. Such was also the finish of a prettily decorated deep red rhododendron plant.



LANCASTER COUNTY FLORISTS' CLUB BANQUET.

H. C. Rowe's store on Monroe street had a most attractive window displaying in the center an immense white and gold basket in which a beautiful specimen of the Lady Gay rambler was planted surrounded with an excellent green setting of ferns. His English Hawthorne trees were an original novelty not shown elsewhere, and looked stunning among his fancy baskets. They were suitably garnished with the wide satiny ticking of a deep red and a handsome sash ribbon.

A. Lange's window was resplendent with every variety of spring blooms. The hanging baskets suspended from the ceiling in among green smilax made it look more like a conservatory than a show window. Some fancy vases of the window shape with tulip ornamentations were filled with specimen blooms of the same flower and finished with a border of boxwood and made a most fetching present for Easter. Lily of the valley in fancy vases surrounded with boxwood and the dainty primulas in Japanese designs made a very attractive showing. The violet baskets filled with violets and tied with a violet cord were dainty and well selected.

The Alpha Floral Co. window showed careful planning, for the different blooms were gracefully arranged and the color scheme was very noticeable. The fine crowns of azaleas were prettily decorated with ribbon bows and so placed that only the crowns showed. The ceilings of

the different windows were curtained with smilax and the window pillars covered with the same. On these were attached glass floral tubes filled with sweet peas, orchids, forget-me-nots, lily of the valley and so forth.

O. J. Friedman's window and Easter display of cut flowers was particularly fine in choice specimens of the double lilac bushes, a comparatively new feature, and they looked so perfect that one would imagine that each flower had been molded instead of grown to nature. The Easter lilies and baby rambler roses were artistically placed in fancy baskets and pottery. In spite of a blizzard on Friday, Saturday was a fine day for the Chicago florists and every store visited was filled with eager customers and each and every assistant was taxed to the utmost.

A. E. K.

Chicago Spring Show.

Preparations for the annual spring show of the Horticultural Society of Chicago, to be held at the Art Institute April 1-5, are nearly completed with every indication that this will be one of the most attractive spring displays ever made in this country. The plans include many novel features, one being a piscatorial exhibit of considerable magnitude and rare interest to lovers of aquaria plants, etc. The final premium list has been mailed to prospective exhibitors, but additional copies may be had on application to Secretary R. J. Haight, Monon building, Chicago.

THE ROSE.

Care of Young Stock.

The care of young stock will now be one of the principal duties of the grower. When it is remembered that any neglect or carelessness in this matter will be sure to affect the after life of the plant, it will be patent that they should at this season have the very best of care. Any grower who allows his stock to get stunted for want of a shift is handicapping himself for the whole season. Plants of this description are hard to get started in the bench and never do make that free, vigorous growth so essential to long stemmed high grade blooms.

From now on to planting time, plants will require copious supplies of water and almost daily syringing. It is well to see to having them placed on a bench where the drainage is perfect and the light unobscured, so that the soil may not become sodden and sour. To keep the young stock in a vigorous growing condition, free from mildew and spot, great care must be exercised in ventilation. As this is essential to success and as the art of ventilation is frequently misapplied or carelessly performed, it may be well to describe the proper method of admitting air to the stock without causing injury.

As soon as the temperature begins to rise the ventilators should be raised but not far enough to affect the temperature of the house. This must be attended to very frequently as the days

get warmer, never allowing the house to get near the maximum till the ventilators are fully open and reducing in the afternoon with the same care. By using this system young stock can be raised with foliage of such texture that it is almost immune from spot and mildew.

Those who intend planting for early summer cutting should now have their stock in three-inch pots. By planting in April the stock gets the full advantage of the best growing season of the year and will make plants fit to bear a good crop of flowers by June when the other houses are cleared for planting or getting a rest. The soil should be got into a healthy condition before being brought into the house. If wet when brought in it should be allowed to lie on the bench for some days and be turned over occasionally until it gets into proper condition. Nothing is lost by this delay. C.

CHRYSANTHEMUMS

Treating New and Rare Sorts.

As soon as the novelties and scarce sorts are received it is important they have proper care, to avert any chance of their being checked. Continuous growth so that the largest number of cuttings may be taken and established prior to planting time is the aim. To this end prepare a bench in a light house where the temperature of 60 degrees can be maintained and plant them into 3 inches of good compost that is moderately light.

Light composts permit the roots to ramble quickly, which results in immediate and active growth. Three inches apart in the rows and four inches between rows is ample space for plants out of 2¼-inch pots. Give a copious watering and then let the supply be governed by the appearance of the foliage, which is an index to the activity and condition of the roots. Should they become yellow the supply should be lessened and if they remain green and active it is safe to say the conditions are normal. In a short time it will be noticed the foliage and stems begin to expand, which indicates the roots are developing freely and finding what they require.

When four inches high the ends may be taken out and used as cuttings. It is well not to take these cuttings too long, but leave some leaves on each plant to act as "lungs," and thus keep up a continuous and healthy growth. In a short time it will be noticed new breaks are being put forth, which in the course of a few weeks will be long enough for cuttings. Where the planting does not take place until June, all the successive batches of cuttings may be planted in a like manner to furnish other cuttings. It is difficult to estimate how many plants can be made from one, but this process of progression is often far-reaching, resulting in an increase of ten to twenty fold.

ELMER D. SMITH.

Packing Plants for Express.

For shipments not requiring more than five or six days to reach destination, pack in wooden boxes that have been previously lined with paper or other material to keep out the frost. The plants should be thoroughly watered, turned out of the pots and wrapped tight in some sort of pliable paper to keep the earth intact. With a light coat of excelsior on the bottom

of the box, the plants are then placed close together on their sides, with the ball of earth next to the side of the box. This is followed by another row in which the ball is placed next to that in the first row, the operation being repeated until the bottom of the box is covered.

In putting in the next tier, reverse them, beginning at the other side, and so continue until finished. The main object is to pack securely, preventing them from shifting, even though roughly handled. Any intervening spaces between the plants and side or top of the box should be filled with excelsior, sawdust or some other material, so that if the package is turned upside down they cannot move about. Inexperienced packers invariably fail in this respect, and often when the plants reach their destination they have so shifted in the box as to be entirely destitute of soil, as well as badly broken. See to it that they can not move.

Each variety must be labeled and some means provided so that the recipient can unpack without danger of getting them mixed. A system many have adopted is to wrap one, two, three or four plants of a kind into a bundle, each bundle being provided with a label, and they are thus packed. Where five or more of a kind are ordered they are separated by a sheet of paper. In very severe weather it is sometimes necessary to wrap the boxes with several thicknesses of paper as a safeguard against frost. In very warm weather the foregoing method is impracticable, as they are likely to heat and thus be ruined. From May to October the plants are generally wrapped and set upright in shallow boxes, which have been provided with a post in each corner, to which cleats are nailed. Then slats are placed an inch apart to form the cover, thus assuring a free circulation of air.

ELMER D. SMITH.

The Young Man in Flower Trade.

Paper read by H. Kleinstark, Jr., before the Kentucky Society of Florists.

As there are so many advantages in the flower business, I will not try to tell all of them, but will mention the main ones of the trade, from my standpoint. To begin with, the greatest advantage, to my mind, is that through the florists' labor they bring happiness and beauty to many homes. They see the fruits of their labor daily in the gardens and homes of the people, rich and poor alike. Another advantage is, that working among and surrounded by flowers, tends to give a greater influence for good than any other vocation which we could have chosen. Besides we all know that we are in one of the most healthful and agreeable of trades, as it is not confining in any sense of the word. An old proverb says, that "variety is the spice of life," so if we go by this, we have by far the largest variety of any business, as Nature provides us with innumerable subjects to work with and improve upon.

Now as to the disadvantages of the trade—there are a great many, but it is more difficult to define them. The risks are greater in our business, as we can never count on the elements, such as wind, hail, and very cold weather. Of course the above relates only to the grower, and not to the store-keeper. One great disadvantage is the uncertain hours, which has never, and never will be overcome. One

enemy of the grower, with which he has always to contend, is the thousands of insects that infest the plants under artificial culture. Another disadvantage is the constant fumigating and spraying of different preparations to keep the pests under control. There are a great many more that could be mentioned, but I will leave my more worthy successor to give his opinions. After all is said, the advantages overcome the disadvantages, so here's to the trade, from a young florist.

Society of American Florists.

OUTDOOR SHOW AT MINNEAPOLIS.

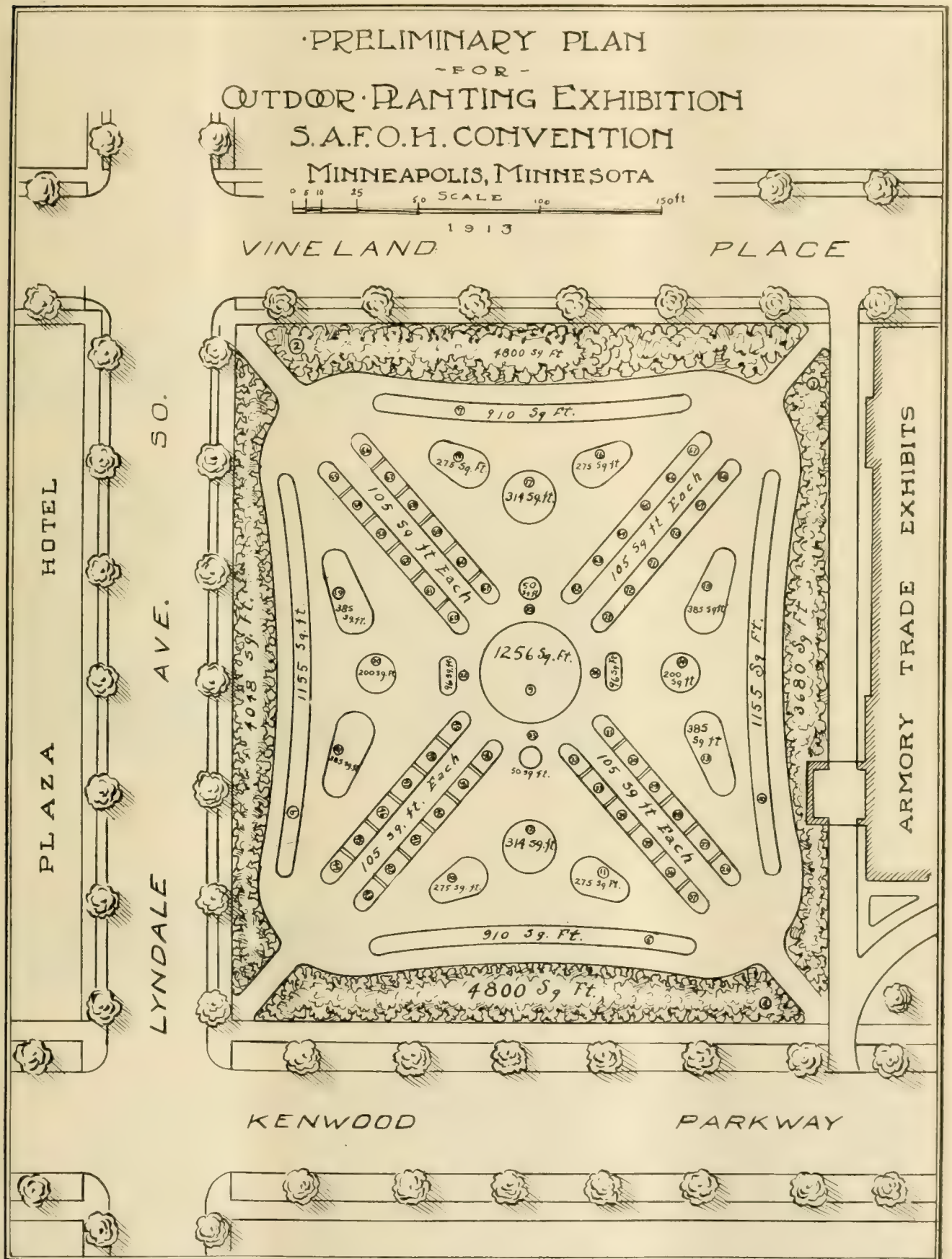
At the executive meeting of the board of directors of the S. A. F., held in Minneapolis, Minn., February 25-26, Vice-President Theodore Wirth submitted a plan for an outdoor plant exhibit, which met with the approval of the board. Mr. Wirth was authorized to solicit information as to what extent growers would be willing to make use of the opportunities offered. The accompanying diagram shows the proposed garden, which is to be adjacent to the Minnesota National Guard Armory, where the meetings and the exhibition are to be held. The shaded beds could be used for shrubs, evergreens, etc., there being 17,000 feet of available space. The flower beds, intended for bedding plants of all descriptions, will have 13,000 square feet.

Mr. Wirth thinks that outside exhibits have been too long neglected at S. A. F. conventions and hopes to set a high mark at this exhibition. Growers of all kinds of hardy and tender plants are invited to send exhibits of plants in spring planting time, each exhibit to fill properly an allotted space. The plants will be properly planted in the exhibition garden and property cultivated and protected, so they will be in good condition at the time of the convention. Each exhibitor will be allowed to display his name and the name of the plants, the name and labels to conform to a uniform scale as to size and character. The plants will remain in the garden for the rest of the season and will be returned to the exhibitor or their purchaser in the fall.

The board of park commissioners offers the use of the land free of charge and will put the grounds in serviceable condition. Some arrangement will be made whereby the S. A. F. will sell the space to exhibitors at a low figure, the price to be just large enough to pay expenses of planting, maintenance and reshipment of plants, the exhibitor to bear all cost of shipment to and from Minneapolis.

The location of the proposed garden is a good one and proper care of plants is assured. Novelties especially are desired and enough of them to make a bed or at least a good display. Intending exhibitors are requested to inform Mr. Wirth of the number and size of plants to be shown before April 1 in order that a fair distribution of space may be made. Besides the shrubs, all kinds of bedding and ornamental plants are desired.

TRINIDAD, COLO. J. H. Cain, manager of the Central Park Greenhouses, expects to double the size of his plant next year. The firm is a new one, but already is in a flourishing condition. About half the space is devoted to lettuce and radishes.



PLAN FOR PROPOSED OUTDOOR EXHIBITION AT THE MINNEAPOLIS CONVENTION OF THE SOCIETY OF AMERICAN FLORISTS

Third International Flower Show.

NEW YORK, APRIL 5-12.

The following additional prizes are announced:

Philadelphia Rose Growers' prize; for 75 roses, any variety or varieties, excepting American Beauty, undisseminated, to be staged April 10.—First prize, \$75; second prize, \$50; third prize, \$25.

New York Cut Flower Co.'s prize, for 200 cut roses, to be staged April 10, irrespective of the number of varieties shown, effect of arrangement as well as quality to count, American Beauty and undisseminated varieties excepted—Silver vase, value \$200.

Toronto Horticultural Society's prize, for a display of Hardy outdoor roses—First prize, silver medal; second prize, bronze medal; to be staged April 10.

Benjamin Hammond's "Special Growers'" prizes—First prize, \$15; second prize, \$10; third prize, \$7. These prizes are meant for the actual grower of any exhibit and not for the exhibitor, excepting in the case where he does his own growing. The awards go to such three exhibits as, in the opinion of the judges, reveal the best specimens of the growers' work in rose growing. The object is to recognize the man who actually does the good work.

Harry O. May prize—Best pink "novelty" rose not in commerce, 25 blooms, \$25; to be staged April 10.

Henshaw & Fenrich's prizes—Vase of 25 Richmond roses, first prize, \$15; second prize, \$10; vase of 25 pink Killarney roses, first prize, \$15; second prize, \$10; vase of 25 blooms any yellow rose, first prize, \$15; second prize, \$10. To be staged April 10.

CORRECTIONS IN FINAL SCHEDULE.

Omitted from Division C, American Rose Society's section—Class 331A, 50 white Killarney roses—first prize, \$20; second prize, \$10.

Class 331 of the Final Schedule is to be known as the Bonnett & Blake prize—first prize, solid silver cup, value \$50.

Class 276 is to be known as the Tuxedo Horticultural Society prize, and the first prize award is a silver cup.

Section H, Class 249, should be amended to read "not less than 8-in. pots, not more than 12-in. pots."

Additional class to Section H—Class 200A, 25 plants *Amaryllis Vittata* hybrids, first prize, \$30; second prize, \$20; Julius Roehrs Co. prize.

Addition to Section F—Miniature model of estate covering 4 sq. ft., including residence, lawns, roadways and whatever the ingenuity of the exhibitor may suggest—First prize, \$30; second prize, \$20. Gardeners and Florists' Club of Boston's prize.

In Class 87, Section C, the Horticultural Society of Chicago offers a grand silver medal in place of a silver cup for a first prize; and Class 91 is the grand bronze medal of this society.

In the Carnation Society's schedule, Classes 441 and 443 are to be staged on April 8 instead of April 10. In Class 437 no medal will be awarded this year, as this is only a preliminary competition.

Additions to Section A—Class 54A, for bed of pansies, assorted colors, 6 ft. across, first prize, \$10; second prize, \$5. Traendly & Schenck's prize.

SHOW NOTES.

A. E. Thatcher and Edward Kirk, of Bar Harbor, Me., have been added to the board of jurors.

The management has been able to secure for exhibition at the show the collection of 39 pictures, in oil and pastel, by Mary Helen Carlisle, covering famous English gardens. This very fine collection was recently on exhibition at one of the leading art galleries in New York and was greatly admired. It should prove especially interesting to the horticultural profession.

The supplementary prize schedule is ready for distribution. Copies may be had on application to John Young, secretary, 54 W. 28th street, New York.

It has been decided that the show shall close at 11 p. m. each day instead of 10 p. m., as previously announced.

OFFICIAL PROGRAMME.**SATURDAY APRIL 5.**

6 p. m. Show Opens. General Exhibition and Flowering Plant Day.

7.30 p. m. Opening Exercises.

Address of Welcome.

Response.

9 p. m. Lecture by R. F. Felton of London, the King's Florist: "English Floral Art."

With practical illustrations.

11 p. m. Show Closes.

4 p. m. Lecture by R. F. Felton, London, the King's Florist: "English Floral Art."

With practical illustrations.

9 p. m. Lecture by J. Horace McFarland, Harrisburg, Pa.: "The Arnold Arboretum."

Illustrated with stereopticon views.

11 p. m. Show Closes.

TUESDAY, APRIL 8.

10 a. m. Show Opens. Carnation Day.

10.30 a. m. Meeting of the American Rose Society.

4 p. m. Lecture and Meeting American Rose Society.

9 p. m. Lecture by J. K. M. L. Farquhar, Boston, Mass.: "Japan and Japanese Flora."

Illustrated with stereopticon views.

11 p. m. Show Closes.

WEDNESDAY, APRIL 9.

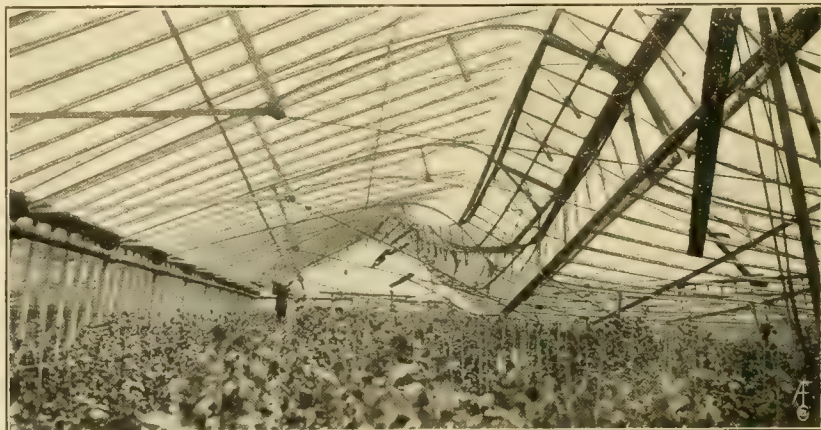
10 a. m. Show Opens. Gladiolus Day.

10.30 a. m. Meeting American Carnation Society.

4 p. m. Lecture by F. C. W. Brown, Buffalo, N. Y.: "American Floral Art."

Illustrated with stereopticon views.

9 p. m. Lecture by R. F. Felton, London, the King's Florist: "How



WRECK AT DEERFIELD NURSERIES, DEERFIELD, ILL.

SUNDAY, APRIL 6.

10 a. m. Show Opens. General Exhibition and Orchid Day.

4 p. m. Lecture by R. F. Felton of London, the King's Florist: "The Arrangement of Flowers and Color Schemes."

Practically illustrated.

9 p. m. Lecture by E. H. Wilson of the Arnold Arboretum, Boston: "China and Chinese Plants."

With stereopticon views.

11 p. m. Show Closes.

MONDAY, APRIL 7.

10 a. m. Show Opens. Rose Day.

10.30 a. m. Meeting of the Society of American Florists & Ornamental Horticulturists.

They Arrange Flowers in England."

Illustrated with stereopticon views.

11 p. m. Show Closes.

THURSDAY, APRIL 10.

10 a. m. Show Opens. Sweet Pea Day.

10 a. m. Meeting Florist Telegraph Delivery Association.

11 a. m. Meeting Society of American Florists & Ornamental Horticulturists.

3 p. m. R. F. Felton, London, the King's Florist. Lecture: "Floral Art in England."

Illustrated with practical demonstrations.

4 p. m. Lecture by Arthur Herrington, Madison, N. J.: "Whys and Wherefores of Tree Planting."

Illustrated with stereopticon views.
9 p. m. Lecture by Otto Thilow, Philadelphia, Pa.: "Rocky Mountain Flora."

Illustrated with stereopticon views.
11 p. m. Show Closes.

FRIDAY, APRIL 11.

10 a. m. Show Opens. Floral Art Day.
10.30 a. m. Meeting American Sweet Pea Society.

4 p. m. Lecture by Geo. V. Nash, Bronx Botanical Gardens, New York: "Water Gardens."

considerably, one house 127x200 feet, being down completely and about 50 to 100 feet of four other houses are also down. The first house blew over the second and third houses, smashing the purlins and twirling the ventilating machinery as if it were ordinary wire. The wind tore loose about 100 feet of a large shed which had been built as a sort of a windbreak and blew it directly into the fourth and fifth houses, badly damaging them. The houses that were destroyed contained a magnificent

denia plants were saved so the proprietors will have plenty of stock to replenish their greenhouses as soon as repairs are made.

Park Ridge—August Prieb's two houses were completely blown down and are almost a total loss. Several other ranges in this locality suffered heavily from broken glass.

Rogers Park John Muno's greenhouses were considerably damaged when his chimney was blown over. The loss is estimated at over \$2,000.

Hinsdale—Bassett & Washburn had many boxes of glass broken in their old range but the new plant a few miles distant escaped without injury.

Bensenville—W. F. Duntemann had over 30 boxes of glass broken in his violet houses.

Several other large ranges in this vicinity, including Peter Reinberg's and Pechlmann Bros. Co.'s ranges, had 50 to several hundred boxes of glass broken but the general damage is not as large as it was first reported.

Omaha.

GREENHOUSES DAMAGED BY STORM.

Omaha florists suffered heavy damages in the terrible storm of Sunday night, although the cyclone missed P. B. Floth's place two blocks and Chas. Ederer the same distance. Mr. Floth is located south of the storm path and Mr. Ederer north of it. Hans Jensen's place, containing about 5,000 feet of glass and the home on Leavenworth and 45th street, according to rumor, is all gone. Telephone communication being stopped, the rumor could not be confirmed. J. F. Wilcox's new greenhouses are badly damaged, in fact, they will have to be rebuilt. The stock will suffer on account of the cold weather. Sunday afternoon the temperature was 70 above zero. At 6:30 it was like summer and was beginning to get dark. It also commenced to get very stormy and about 7 o'clock the cyclone passed the city from the southwest through the residence district and demolished some 600 homes. Monday morning when the writer went down town and passed through the damaged part of the city he could hardly believe his eyes. More than 145 dead bodies were found and scores of people were badly crippled. All the phones were out of order. Street cars did not run until Monday morning about 9 o'clock, when one line began operation again. All the lights were out Sunday night. Easter business was as good as ex-



WRECK AT HOERBER BROS.' RANGE, DES PLAINES, ILL.

Illustrated with stereopticon views.
9 p. m. Lecture by Arthur Cowee, Berlin, N. Y.: "The Gladiolus."

Illustrated with stereopticon views.
11 p. m. Show Closes.

SATURDAY APRIL 12.

10 a. m. Show Opens. General Exhibition.

10.30 a. m. Meeting of the Gladiolus Society.

3 p. m. Lecture by R. F. Felton, London, the King's Florist: "English Floral Art."

Illustrated with practical demonstrations.

4 p. m. Lecture by L. W. C. Tuthill, New York: "Frames and Greenhouses for the Amateur."

Illustrated with stereopticon views.
9 p. m. Lecture by Leonard Barron, Editor "The Garden Magazine": "Glimpses of Famous American Gardens."

Illustrated with stereopticon views.
11 p. m. Show Closes.

J. H. PEPPER,
Chairman Publicity Committee.

Chicago Greenhouses Damaged.

The terrific gale which swept Chicago and suburbs early Monday morning, March 24, was the heaviest storm that this district has experienced for many years. Several people were killed, scores were dangerously injured and at least 50 buildings were wrecked and the roofs of as many more blown off. Several greenhouse establishments were partially destroyed with Hoerber Bros., of Des Plaines and the Wellworth Farm Greenhouses the principal losers. The following is a list of the ranges in this vicinity that were damaged by the storm:

Des Plaines—Hoerber Bros.' large range was severely damaged and several houses were almost completely destroyed. Two of the houses in the south end were blown down entirely and the house adjoining was almost down also. About eight houses in the other end where roses and carnations are grown are also badly damaged but repairs are rapidly being made and it is expected that nearly the entire crop with the exception of the three houses that are down, will be saved. Con-

siderable glass was broken in the balance of the range and to cap the climax, the large chimney blew over just as a train was passing and killed two men in the caboose. It is impossible to estimate the loss at present, but it is considerable and a severe setback to the firm. A temporary stack has been erected and all efforts are being made to save the plants should severe cold weather set in. The Des Plaines Violet Co.'s stack was also blown down but the houses were not damaged.

Downers Grove—The Wellworth Farm Greenhouses were also damaged crop of Killarney roses and every effort is being made to save the plants. It will cost several thousand dollars to repair the greenhouses but it is expected that the greater part of the plants will be saved.

Deerfield—The Deerfield Nurseries, Kottrach Bros., proprietors, suffered several thousand dollars loss when one of their houses, 34x150 feet, was blown down completely and the other two were partially damaged by flying glass. Fortunately almost all the young gar-



WRECK AT HOERBER BROS.' RANGE, DES PLAINES, ILL.

pected. The cold weather last week hurt it very much and Saturday it was so immense that lots of people could not be waited on. Sunday was about the same so it turned out to be one of the best two days we have had for a long time. Plants in bloom from \$1 to \$5 sold well. Above \$10 baskets went slowly, nevertheless it pays to show fine work.

GRIPPE.

Terre Haute, Ind.

HEAVY STORM DAMAGES.

A very disastrous cyclone passed through the southern part of Terre Haute at 10 p. m. Sunday, doing damage to the amount of a million dollars, killing 20 people and injuring 500, besides destroying 300 houses. The storm came directly through Gardentown, where there are located about 35 vegetable growing establishments of from one to 10 houses. It is reported all are almost wholly destroyed. It is hard to get more than meager reports as the territory is guarded by the state troops. The work of rescue is still in progress, but up to this time no fatalities are reported among greenhouse men. Many had narrow escapes, however, and many are injured. L. H. Mahan is one of the heavy losers. He had about 2,500 feet of glass which was partially destroyed. A grove of beautiful maple trees 40 years old in front of his residence, was almost all blown down.

The earliness of Easter did not seem to have any effect upon the business as it was some better than other years, though possibly the gain was a trifle less. The weather on Saturday was ideal but Sunday it was showery, which made delivery very unpleasant. There was very little difference in the prices compared with former years. Violets and roses were advanced a little.

N. B. Stover was run over by an automobile about two weeks ago. No limbs were broken, but the machine made some very painful wounds.

Tom Stevenson brought in six loads of bulb stock for N. B. & C. E. Stover. He reports some hail Sunday night but only a little glass broken.

The Park Commission has taken steps to purchase the historical Fort Harrison with an addition of 40 acres for a city park.

The Terre Haute Rose and Carnation Co. was missed by the cyclone about 600 feet.

John G. Heintl and wife have gone on a trip to Panama and for a month's cruise.

Harry Richmond has closed his store. He reports a good Easter trade.

Fred Heintl had some very fine Baby Rambler roses for Easter.

Henry Graham reports a good Easter trade.

N. B.

MIDDLETOWN, CONN.—George C. Van Slyke has completed a new vegetable greenhouse.

ATLANTIC, IA.—The Atlantic Greenhouses will build a new rosehouse 30x135 feet this spring.

MANCHESTER, CONN.—John G. Pentland will open a flower and confectionery store here soon.

HARTFORD, CONN.—James Peters will remodel his greenhouses and remove them from their present location.

HAYWARD, CALIF.—A "blossom festival" to last seven days is planned for this town for some time in April.

FARGO, N. D.—Frank Myers, formerly with the Hiawatha Garden Co., Minneapolis, Minn., is now foreman at the greenhouses of the Shotwell Floral Co.

Indianapolis.

EASTER TRADE EXCELLENT.

Easter business is universally pronounced satisfactory. Six of the leading florists estimated that their Easter returns will surpass last year, notwithstanding the fact of a continuous downpour all day Sunday. Had it not been for the untimely storm it would be safe to say that this Easter would have been a record breaker. In addition to the florists that were in the field last year not less than four Greeks and one grower had opened up stores in this city, and in spite of these four flower stands the other florists were able to do a record breaking Easter business. It seems safe to assume that the Greek flower dealer with his characteristic way of doing business, does very little harm if any, to the high-grade flower shop. Generally speaking, the plant trade was far ahead of cut flowers, and the stock of blooming pot plants was certainly the finest ever seen here. Lilies were offered in immense quantities but were cleaned up at satisfactory prices. Next to these azaleas and hydrangeas were the most satisfactory plants. The various rambler roses also sold well and in spite of the early date were shown in excellent shape. Cut flowers also cleaned up well. American Beauty roses of course, were in the lead. The supply was not equal to the demand. All other roses were in good demand and wholesaled at satisfactory prices, bringing twelve dollars a hundred for the best long stemmed stock. Carnations did not sell quite so well as roses and while there were none left over, only the very choicest commanded five dollars a hundred. The sale of violets was immense and good singles seemed to be in better demand than the doubles. There seems to be room in this vicinity for a violet specialist with sufficient plantings to be able to take care of orders in thousands and ten thousands.

On the morning of March 21 a wind storm of record breaking velocity swept this territory. The storm did considerable damage in the vicinity of Indianapolis, but we are glad to state that the damage done to greenhouses was nominal. The only serious damage nearby reported so far was from Franklin, where D. B. Kelly's greenhouses were according to the daily papers, "unroofed." Another gale swept over this state during the night of March 23.

H. J.

Pittsburg.

EASTER BUSINESS GOOD.

With a very good Easter business reported from all parts of the city, everybody is satisfied. A general cleanup took place Saturday evening. The one complaint all over the city was the extremely poor quality of the violets which arrived Friday and Saturday. The majority of them were held back too long and when they arrived were already soft and brown. The very warm weather we had on Friday was probably the main cause. Lilies were not generally as good as in other years, and the street fakers were out in full force with plenty of goods to offer. Other bulb stock, such as daffodils, lily of the valley and tulips were rather scarce, and the one plentiful article was carnations. There were also a good many roses to offer, but the majority were shorter stems. Yellow daisies slumped somewhat, too. It is next to impossible to sell baby primroses any more and nearly all of these flowers are thrown away. White lilac is also here in abundance and is being sold cheaply to make window displays. A hard rain fell Sunday afternoon and the corsage

bouquet buyers were naturally disappointed. There were a good many such bouquets sold too, and there was a continuous demand for good violets and sweet peas. American Beauties are coming in much better than before, and the quality of them is real good. A lot of myosotis came in last week but the appearance was so sudden that they were not even thought of.

NOTES.

J. M. Jones, foreman of the Schenley Park Conservatories, reports this year's show having been the best ever, which was confirmed by the vast number of visitors who came Easter morning. Quality and also quantity prevailed and there were shown many new and novel features.

Mrs. E. A. Williams' place was a grand spectacle Friday and Saturday, with a very large mass of plants filling their show window, most of which were orders ready to be delivered.

The Harry Davis Enterprise Co., not contented with the vast amount of business it is doing in the amusement line on Fifth avenue, added a large line of palms and plants for Easter sale.

C. K. Hoffmeyer of Carnegie has a splendid crop of lilies which came on at exactly the right time. He is still cutting a fine quality of carnations, which are handled by the McCallum Co.

F. Mueschke of Castle Shannon came in with his usual fine lot of pot giganteums. He also cut heavily on some fine Killarney roses.

The A. W. Smith Co. had some of the finest pot lilies ever this Easter with stems a yard long.

Ross E. Adgate of the McCallum Co., who came home to lend a hand, is back on the road again.

I. V. Kinder of Charleroi expects to open a retail store to handle the output of his greenhouses.

H. Holland of Washington, Pa., consigned some nice daffodils for Easter.

G. P. Weaklen reports a heavy run on special corsage bouquets.

Visitors: J. F. Kennedall of the Tarentum Floral Co., Tarentum; I. V. Kinder of Charleroi.

J.

Nashville, Tenn.

BUSINESS SATISFACTORY.

The florists in this city have every reason to be satisfied with the Easter trade. In the first place the weather was ideal and the four days previous to Sunday brought out many buyers. There was an abundant supply of lilies. The churches used a great many but by far the greater lot went to decorate the private homes. Hyacinths and tulips and other bulbous stock were also in great abundance. Baby rambler roses were especially beautiful and correspondingly popular. Azaleas and rhododendrons were not so plentiful but were among the most handsome plants on sale. There were plenty of cut flowers, all home grown, for the florists, having had a good season, had their roses and carnations come on just at the right time. Pink and white roses, Killarney, Richmond, Kaiserin and Golden Gate were all plentiful but American Beauties alone were rather scarce. However, there was such a profusion of everything else that they were not missed. The decorated baskets were very popular. There were many violets, though it is a little late for them and the quality was not up to standard. Carnations were splendid in size and color and very popular. Lily of the valley, mingled with other flowers, was used largely for corsage bouquets.

THE EASTER TRADE

Business Shows Increase.

Easter sales for 1913 show a substantial increase generally over those of a year ago. Two factors militated against a record-breaking business, the early date of the holiday and in many places the extremely bad weather. Nevertheless, in no case has a decrease in business been reported thus far, and while in one or two instances the trade was about the same as in 1912, an increase generally of from five to 25 per cent is noted. In some places stock had not quite reached the salable stage, but the bad weather was doubtless the worst factor the florists had to contend with. In the middle west, generally, nearly the entire week preceding Easter was far from ideal, keeping many prospective customers indoors. The severe storm which demolished much property in Nebraska, Iowa, Illinois, Indiana and elsewhere, came Sunday evening and too late to hurt the trade for the day. Florists generally are very optimistic over the showing made against heavy odds and say that with an even break of weather the record would have been much better.

BRIDGEPORT, CONN.—The increase in Easter sales over last season is estimated at 10 per cent by John Reck & Son. Prices were the same, there being an ample supply of plants and cut flowers. Bulbous plants generally did not sell readily. Lily plants and fancy plant baskets were very popular. Violets, lily of the valley and orchids for corsage bouquets, went well. Business was very much hampered by poor weather conditions, but Wednesday was ideal and was the best Wednesday before Easter we have ever had, fully twice as much business being done as on the corresponding day of former years.

BLOOMINGTON, ILL.—Business was about five per cent greater this Easter than in 1912, according to A. Washburn & Sons. Prices were the same. The supply was equal to the demand, both in cut stock and plants. The call for azaleas was not so great as formerly. Lily plants were the most in demand. Roses and carnations sold best of the cut flowers. Stock of all kinds was above the average. Friday and Sunday were stormy, with the temperature not much above freezing. Saturday was cold, but the people seemed to be filled with the Easter spirit.

NORWALK, CONN.—Easter sales were satisfactory, being about the same as in former years, reports R. G. Hanford. Prices for fancy carnations were slightly better. The supply of plants was fully equal to the demand. Cut flowers were sufficient in number also, except carnations, which were off crop. Acacias and rhododendrons were least in demand of the plants. Lilies and spring flowers sold best in the cut stock. Lilies were not quite so plentiful as usual, owing to the early date.

ATLANTIC, IA.—Easter business was about the same this year as in 1912, according to the estimate of the Atlantic Greenhouses. Prices were no better. The supply of cut flowers and plants was equal to the demand. Lilies and hyacinths sold best of the plants. In the cut flowers, hyacinths, tulips, lilies and narcissi sold best. There was little call for carnations. Rain and snow hurt trade a great deal. A bad storm struck this place Sunday night and did much damage.

KANSAS CITY, MO.—An increase of about 10 per cent is noted in this year's trade for Easter by the Alpha Floral Co. Prices were practically the

same. The supply of plants and cut flowers was equal to the demand. Cyclamens and hyacinths were the best selling plants and California violets, red roses and sweet peas went best of the cut stocks. The delivery system is becoming more complicated each Easter, both on account of more purchases and of smaller purchases.

BANGOR, ME.—An increase of 20 per cent in the amount of Easter business with better prices than last year, is reported by Adam Sekinger. There were not enough lilies to supply the demand. Cut flowers were in sufficient supply. Primulas in large pans sold poorly. Carnations did not take well, but there was a good call for violets and roses. Bulbous stock sold well. The weather was fine and everybody sold out. The cash trade was much greater than hitherto.

FARGO, N. D.—Trade was about the same this year as for the Easter of a year ago, with prices of cut flowers perhaps a little better, according to the Shotwell Floral Co. Some shortage of lily plants is reported, but other stock was in sufficient supply. American Beauty roses were of poor quality. Spireas did not sell well, but other plants were taken readily. Carnations, bulbous flowers, violets, sweet peas, and lilies, were much in demand.

MERIDIAN, MISS.—The Easter trade was much better—25 per cent or more—than a year ago, according to Mrs. N. G. McKinney. Prices were perhaps a little better also. More plants and cut flowers could have been sold if the supply had been ample. Easter lilies, lily of the valley and all well grown plants sold without trouble. Lilies and carnations were the most popular cut flowers. There is a yearly increase in the demand for good stock.

KOKOMO, IND.—Business for Easter was 10 per cent greater than in 1912, says W. W. Coles. Prices remained as before. The supply of plants was sufficient. Carnations were in short supply but there were plenty of other cut flowers. Easter lilies and azaleas were the most popular plants and carnations, roses and violets sold best of the cut flowers. There was very little call for bulb stock.

PETERSBURG, VA.—Wm. S. Young says this year's Easter trade was fully 25 per cent greater than that of a year ago. Prices were better and the supplies of neither cut flowers nor plants were equal to the demand. Lily and azalea plants were most in demand, but bulb stock did not sell so well. Violets, lily of the valley and sweet peas, were the most popular flowers.

TERRE HAUTE, IND.—Easter sales were 20 per cent larger than last year according to N. B. & C. E. Stover. Prices were about the same. More azaleas, tulips and hyacinths could have been sold if the supply had been larger. The cut flower supply was ample but everything was cleaned up. Cinerarias, lilies, rambler roses and hyacinths in large pans sold well.

POUGHKEEPSIE, N. Y.—Stock, trade and weather the "best ever," says the Salford flower shop in commenting on the Easter business. Early Eas- ters are popular here, as plants can be handled in better condition. One of the best selling novelties were dwarfed Murillo tulips about three inches high, disposed of in fancy fern dishes and flat Japanese trays.

BRAMPTON, ONT.—An increase of five per cent is noted by the estate of H. Dale in this year's Easter sales. Prices were about as usual for the occasion. There were plenty of Easter lily plants and cut flowers of all kinds. Easter lilies, lily of the valley and violets sold the best of all the cut flowers.

The Wilcox Loss.

J. F. Wilcox and Sons, Council Bluffs, Ia., telegraph March 26, as follows: "Thousand-foot house crushed and destroyed. Brick service building crumbled, tearing off boiler house roof, concrete chimney 150 feet still standing. American Beauty and Killarney roses, and carnations in full crop are entirely lost. On account of broken glass two houses are destroyed, containing 60,000 carnations, 25,000 Killarney roses, and 12,000 American Beauty. Night watchman was the only one hurt. Work has been abandoned at Manawa greenhouses, but business will continue in fine shape on account of full crop of American Beauty and other roses, carnations, etc., at the Pierce street greenhouses."

OBITUARY.

Archibald Robbie.

Archibald Robbie, for the past eight years superintendent of Lyndhurst, the estate of Mrs. Helen Gould Shepard, Tarrytown, N. Y., died in the Tarrytown Hospital March 12. At the time of the marriage of Miss Gould to Finley J. Shepard he took a cold which developed into pneumonia. Later the attending physicians decided that he was suffering from appendicitis. An operation was performed March 8, but he gradually failed. Mrs. Shepard, who with her husband is now in Egypt, knew of Mr. Robbie's illness and was much concerned about him. News of his death was cabled to her. Archibald Robbie was born in Aberdeenshire, Scotland, forty-five years ago. He had been in this country several years before taking a position with Miss Gould. He was very well known and highly esteemed among the gardeners and florists in and around New York city. He was a Mason and was a member of the board of water commissioners of Tarrytown. He is survived by a wife and one child. The funeral was held March 15. Alex. McConnell had charge of the floral arrangements.

A. F. F.

Francis Brill.

Francis Brill, the veteran Long Island cabbage seed grower, died at his home in Hempstead, March 24. Mr. Brill was 76 years old and had long been prominent in the trade. He was employed as a young man by Alfred Bridgeman, son of Thomas Bridgeman, at the old Bridgeman seed store in New York. He remembered well the old days of Peter Henderson, Grant Thorburn and other pioneers. Mr. Brill started in business for himself as a seed grower in 1859, at Newark, N. J. From there, he located, about 1870, in Suffolk county, on the eastern point of Long Island. He moved to Hempstead in 1887.

Nathan D. Pierce.

Nathan D. Pierce of Norwood, R. I., died of tuberculosis March 7, after an illness of more than a year. He was 62 years old and had been an active nurseryman and florist for 40 years. He was prominent in the republican political life of his community and had been a member of the general assembly. He was a leading member of the Florists and Gardeners' Club of Rhode Island and the Rhode Island Horticultural Society. He is survived by a widow and three children.

Joseph Bancroft.

Joseph Bancroft of Joseph Bancroft & Son, Cedar Rapids, Ia., died March 15, the funeral taking place March 17. George Bancroft succeeds to the business.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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COUNCIL BLUFFS, IA.—Roy Wilcox, of the J. F. Wilcox establishment, estimates his firm's loss in the tornado of March 23-24 at \$50,000 to \$75,000.

Personal.

Elmer D. Smith and wife, Adrian, Mich., have returned from the south.

Frank Pelicano is making the trip from San Francisco to New York to attend the National Flower Show.

Publicity.

There will be a meeting on Monday afternoon, April 7, at the Grand Central Palace, New York, of the National Publicity Committee, provided for at the last convention of the S. A. F. in Chicago, to consider the proposition of providing for a permanent secretary of the national committee to aid in advancing the publicity movement. All florists' clubs in the country having a publicity committee and having appointed a representative to membership in this national committee, should see that their representative is notified of this meeting and is in attendance. If unable to be present another member should be sent to represent the club.

W. R. PIERSON.

Representative of the Publicity Committee of the New York Florists' Club.

EUROPEAN papers announce the death of Wm. Cocker, the eminent Scotch rosarian.

American Rose Society.

SPECIAL PRIZES.

For roses from glass devoted to the growing of stock for the New York market, offered by Henshaw & Fenrich, New York; for the best 25 Richmond, \$25.00; 25 Killarney, \$25.00; 25 yellow roses, \$25.00. This is a fine prize and offered especially for New York city market growers.

Harry O. May prize, for the best new rose not on the market, \$25.00.

Entries have already been made for the Philadelphia Growers' prize, retail dealers' exhibit and divisions B, C, D.

New rose registered by the Florex Gardens, North Wales, Pa., the Mavourneen. Sport of Pink Killarney, very large bud, averaging 30 petals, color deep pink, reverse side of petal almost as dark as the inside of petal, very fragrant, good foliage.

The judges so far appointed are John N. May, Adam Graham, Patrick Welsh, Philip Breitmeyer, Robert Pyle, George Asmus, A. B. Cartledge, Alexander Cummings, Jr. An illustrated lecture will be given Tuesday evening, April 8, on "Roses as Decorative Plants," by Robert Pyle, president of the Conard & Jones Co., West Grove, Pa. The membership of the American Rose Society is sending in the dues nicely, the more the better. "A Rose for Every Home, a Bush for Every Garden." New York city homes need the roses.

BENJAMIN HAMMOND, Sec'y.

National Association of Gardeners.

FLOWER SHOW PROGRAMME.

The National Association of Gardeners has completed its programme for the International Flower Show week, New York, April 5-12. Its headquarters will be the Murray Hill hotel, Park avenue and Fortieth street. The secretary will be at the headquarters every morning from the opening until the closing of the show, to

arrange for the admission cards and other entertainment of members of the N. A. G. Season tickets to the show will be issued only on presentation of the association's 1913 membership card.

A meeting of the association will be held on Monday afternoon, April 9, at 2 o'clock, in the lecture hall of the Grand Central Palace. P. F. Feiton of London, England, will address the members at 3 o'clock on the practical usages of flowers. On Tuesday evening at 9 o'clock members of the association will assemble in the men's dining hall of the Murray Hill hotel for a "Dutch treat," and a social evening generally. On Wednesday the National Gardeners and Florists' bowling tournament will be held under the auspices of the National Association, in which the members of the Society of American Florists are invited to participate, at Thums' bowling alleys, Broadway and Fifty-first street, beginning at 9 o'clock in the morning and lasting throughout the day. The tournament is open to teams of three men, members of a local gardeners or florists' society or club, and members in good standing either of the S. A. F. or N. A. G. The individual tournament is open to members in good standing of the N. A. G. or S. A. F. Many valuable prizes have already been contributed. The sweep-stake prize to be competed for by the three members of the N. A. G. making the highest scores, and the three members of the S. A. F. making the highest scores, is a piece of silver of the value of \$50, donated by President Waite of the National Association.

Other entertainment will be provided during the week which will be announced during the first days of the show. Members of the National Association of Gardeners should bear in mind that their membership card will be necessary to participate in the various entertainments; so do not leave your cards at home when starting for the show in New York.

M. C. EBEL, Sec'y.

New York Hotels.

Hotel Martinique will be S. A. F. and O. H. Headquarters

HOTEL	Single Room One Person		Double Room Two Persons	
	Without Bath	With Bath	Without Bath	With Bath
Martinique				
Broadway and 32d St.....		\$2.00-\$4.00		\$3-\$5
Woodstock				
West 43d St., near Broadway.....	\$2.00	2.50	\$3	*- 6
Astor				
Broadway and 43d St.....	2.50-\$3.00	3.50- 5.00	*-\$4	†- 7
McAlpin				
Greeley Sq. and Broadway.....	1.50- 2.50	2.00- 5.00		
	\$1 for each extra person			
Manhattan				
42d St. and Madison Ave.....	2.50 up	3.50 up	4 up	5 up
Imperial				
Broadway and 32d St.....	2.00	2.50 up	3- 4	4 up
Grand Union				
42d St., Grand Central Station.....	1.00- 1.50	2.50	2- 3	3.50
Grand				
Broadway and 31st St.....	1.50	2.00- 2.50	2	3- *
Prince George				
5th Ave. and 28th St.....		2.00- 3.00		3- 4
Cadillac				
Broadway and 43d St.....	1.50 up	2.00 up	\$ up	* up
York				
7th Ave and 36th St.....	1.50- 2.00	2.00- 4.00	\$- 3	3- 5
Wolcott				
31st St. and 5th Ave.....	2.00	3.00		5
Murray Hill				
Park Ave and 40th St.....	2.00	3.00	3	4
Holland				
5th Ave. and 30th St.....	2.00- 3.00	3.00- 5.00		4- 8
Bristol				
122 West 49th St.....	1.00	2.00	1.50	\$ up
Earle				
103 Waverly Place.....		1.50		
(10% discount to florists. American and European plans.)				
Herald Square				
34th St. and Broadway.....	1.50- 2.00	2.00 up	\$- 3	3 up
Chelsea				
W. 23d St.....	1.50	2.00		
Except as stated, all these hotels are conducted on the European plan.				
*\$3.50		†\$4.50		\$2.50

Meetings Next Week.

Albany, N. Y., April 3, 8 p. m.—Albany Florists' Club, 71-73 State street.
Buffalo, N. Y., April 1, 8 p. m.—Buffalo Florists' Club, 385-387 Elliott street.
Dayton, O., April 3, 8 p. m.—Dayton Florists' Club, 37 E. Fifth street.
Denver, Colo., March 31.—Colorado Florists' Club, L. M. A. hall, 1412 Curtis street.
Detroit, Mich., March 31, 8 p. m.—Detroit Florists' Club, 247 Randolph street.
Fall River, Mass., April 1, 8 p. m.—Fall River Florists and Gardeners' Association.
Grand Rapids, Mich., March 31.—Grand Rapids Florists and Gardeners' Club, office of member, Edward Freyling, Secretary, 891 Wealthy avenue.
Indianapolis, Ind., April 1, 7:30 p. m.—State Florists' Association of Indiana, State House.
Lake Geneva, Wis., April 5, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, Horticultural hall.
Lenox, Mass., April 5.—Lenox Horticultural Society.
Los Angeles, Calif., April 1.—Los Angeles County Horticultural Society.
Louisville, Ky., April 2, 8 p. m.—The Kentucky Society of Florists, Third and Broadway.
Milwaukee, Wis., April 3, 8 p. m.—Milwaukee Florists' Club, St. Charles Hotel, City Hall square.
Minneapolis, Minn., April 1.—Minneapolis Florists' Club, 115 North Sixth street.
Montreal, Que., March 31, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 224 Sherbrook street west.
New Orleans, La., April 2, 8 p. m.—German Gardeners' Club, 624 Common street.
Newport, R. I., April 2.—Newport Horticultural Society, P. T. Reynolds, Secretary, Rugles avenue.
Philadelphia, Pa., April 1, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street, above Spruce.
Pittsburg, Pa., April 1, 8 p. m.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt Hotel, 10th street and Penn avenue.
Salt Lake City, Utah.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.
San Francisco, Calif., April 5.—Pacific Coast Horticultural Society, T. F. Taylor, Secretary, 2735 Golden Gate avenue.
Seattle, Wash., April 1.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.
Tacoma, Wash., April 3.—Tacoma Florists' Association, Macabee Hall.
Utica, N. Y., April 3, 8 p. m.—Utica Florists' Club, Genesee Hall, Oneida square.
Washington, D. C., April 1, 8 p. m.—Florists' Club of Washington, 1214 F street, N. W.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Position as traveling salesman for seeds, bulbs, plants or florists' supplies. Address Key 786, care American Florist.

Situation Wanted—As Florist and gardener; well up in Carnation and Chrysanthemum growing. Single man; good reference. Key 806, care American Florist Co.

Situation Wanted—As florist and gardener in private place; Hollander; 10 years in this country; married, no children; life experience; can furnish the best of references. Address Key 801, care American Florist.

Situation Wanted—Head gardener, English man, age 40, married, without family. Life experience in all branches, including Orchids, Roses, Carnations, Mums, Early Forcing, fruit and vegetables, etc. Good references. E. RICHMOND, Elma Center, N. Y.

Situation Wanted—On commercial or private place by an all around man with 20 years of practical experience in this country and Europe; single, 35 years of age. Can furnish the best of recommendations from leading firms. Pot plants, roses, carnations and landscape gardening a specialty. State salary when writing. GEORGE BAKAITIS, 5433 North Seeley av., Chicago

Situation Wanted—As head gardener or superintendent. Good grower of cut flowers, potted plants, indoors and out doors; vegetables and fruits. Good experience in lawn and park work; understand management of private place park, cemetery, or institution. Am 30 years of age, married, no children. Have been in the gardening and florist business for 15 years. Can furnish best references to party requiring such a man. Address, Key 799, care American Florist.

Help Wanted—Two experienced salesladies. Apply W. W. BARNARD Co., 253 W. Madison St., Chicago, Ill.

Help Wanted—Florist and gardener for public park; must be competent for in and outside work, state experience and wages wanted. Supt. of Parks, Davenport, Iowa.

Help Wanted—A bookkeeper who has had experience in bookkeeping in a florist's store. Address A. F. F., care American Florist, 124 East 24th Street, New York.

Help Wanted—Florist and gardener, competent to take charge of greenhouse, garden and grounds at State Institution. Address SUPERINTENDENT, State Public School, Owatonna, Minn.

Help Wanted—Honest young lady with some experience to take care of floral establishment in Chicago. Very good chance for advancement, with good salary. Key 805, care American Florist.

For Sale—Well located retail store, centrally located, doing good business for over five years. This is a rare opportunity, price very reasonable; going south object of selling. Key 804, care American Florist.

Help Wanted—Married man to take charge of private greenhouse in suburb. For competent man will pay \$100.00 per month. Residence, light and heat, free. C. A. STONEHILL, 159 N. Michigan ave.

For Sale or Lease—5 greenhouses at Madison, N. J., 1 mile from station. 4½ acres of land, 9-room dwelling, up-to-date, cheap, and low rent to prospective buyer. Address, R. S., 265 Rosedale Ave., Madison, N. J.

For Lease—In Boston, Mass.; greenhouse in operation; new boiler; outside ground. Three room cottage included if desired. Cheap to a desirable tenant or might rent on shares. Owner has other business. Address Key 807, care American Florist.

For Sale—Two acres with 25,000 square feet of glass; up-to-date improvements, cement benches; fine dwelling house and barn; nice orchard. Everything in first-class condition, 10 minutes from R. R. and C. L. BEN. VOLLMAN, 430 Ridge Ave., Wilmette, Ill.

For Sale—A good paying Florist Business in a Michigan city of 14,000 will be sold now or June 15th at a bargain; small house and store connected to 4,000 feet of glass right in business center of city. Will stand closest investigation. Come and investigate. First-class trade. Owner will retire. Established 25 years and in good repair. JACOB SCHNEIDER, Florist, Manistee, Mich.

For Sale—At a sacrifice, for cash; about 2000 feet of glass, stocked with carnations, chrysanthemums, bedding stock and small flowers. A fine proposition to one that thoroughly understands the business. Large retail trade and all the wholesale you can handle. Four acres of land; on car line on the main street of city of 20,000. For particulars address R. S. ELWOOD, Receiver, Albuquerque, N. M.

Public Sale—Of floral plant known as The Morris Floral Co., will be held at the east door of the City Hall, in Morris, Ill. The real estate consists of 6 acres of ground planted in all kinds of fruit trees and berries; 3 new greenhouses 28x125 feet and 12 smaller houses all in good condition. One 12 room dwelling house with all modern conveniences. One 5-room cottage; big packing shed, cellar and barn. Ten per cent cash on day of sale and the balance when report of the sale is approved by the Court. ANNA KRAHN, Administratrix of the estate of Ivid Krahn, deceased.

Wanted—An experienced gardener, to lease 38 acres. House or board. Coal cheap and handy for greenhouse. Street cars stop at door. Paved road. Best of markets. Address MARY E. JONES, Finleyville, Pa., R. D. 2.

Wanted: Gardener and houseman. Experienced in care of greenhouse North Shore Chicago Suburb. Wife must be good laundress. All year position. Good opportunity for couple without children. References required. Address, Key 802, care American Florist

Help Wanted

Expert Orchid Grower by the Beechwood Heights Nurseries at Bound Brook, N. Y., to take charge of their Orchid department. Only a strictly competent man required. Good salary to right party. Apply by mail to,

THOMAS YOUNG, Jr.,
500 Fifth Ave., N. Y. CITY.

Situation Wanted

Good Carnation Grower capable of taking charge. For further particulars, Address, Key 796, care American Florist.

The Chance of a Lifetime for a Hustling Gardener.

Here is a big thing for a practical man with a little money who wants to own a business. 12 acres of cultivated land, watered by a running brook, located on 2 main roads, 10 miles from Boston, 8 minutes from electric cars, 20 minutes from steam cars. City water piped all over the place. 15,000 feet of glass in three houses; 15,000 extra carnation plants and 40,000 young plants, all of best varieties. Boiler house with cellar for 100 tons of coal. Large barn, stable room for two horses. Modern 9-room house, electric lights, hot and cold water, furnace heat. Plenty of office room in house. This property is in first-class condition and near a big market that will take all that can be grown under glass or in the open. You can receive further details by writing to

The McFarland Publicity Service
Box 675, Harrisburg, Pa.

IF your Spring Stock is right, advertise it now. There is much inquiry as to who can fill the orders this early season and the early advertisement gets there.

20,000 Geraniums in 2½, 3 and 4 inch ready to go out. If you are interested, write us and tell us your wants. Also look over our soft wooded plant list in last week's issue. Send for our fern and plant list.

GEO. A. KUHL, Wholesale Grower, Pekin, Ill.

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers. FISHKILL
New York

The New Double Marguerite
MRS. F. SANDER

It's a good spring and summer proposition and will keep you supplied with plenty of cut flowers at a time when all other flowers are scarce.

2-in. pots \$2.00 per 100, \$15.00 per 1000.

ELMER RAWLINGS,

Wholesale Florist, OLEAN, N. Y.

PALMS, FERNS
AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N Y

A. N. Pierson, Inc.

Wholesale Florists

CROMWELL, - CONN.

John Bader Co.

B. L. ELLIOT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Primula Obconica, strong plants, in bud and bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengeri, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Robert Craig Co...

High
Class

PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

EAU CLAIRE, WIS.—The meetings of the newly formed Eau Claire Horticultural Society are arousing much interest.

GREENFIELD, IND.—Horace G. Beckner will remove his nursery stock from North Pennsylvania street to the east part of town.

ALTON, N. H.—An appropriation of \$1,000 has been made for a greenhouse for the agricultural department of the local high school.

WESTERLY, R. I.—Simon J. Reuter of the firm of S. J. Reuter & Son, Inc., suffered a paralytic shock Sunday afternoon, March 16, at his home in this city.

Our New Crimson Carnation PRINCESS DAGMAR

will be disseminated next season, 1913-1914.

We are booking orders now at \$12.00 per 100; \$100.00 per 1000.

Princess Dagmar will be exhibited at the National Show in New York.

PATTEN & CO., Tewksbury, Mass.

ROSES!! ROSES!! ROSES!! ROSES!!

Grafted Stock: Richmond, White Killarney, Brides, Kaiserin, Pink Killarney, Bridesmaids, 2½-in. pots. Price, \$10.00 per 100; \$100 per 1000. Ready first of March.

Own-Root Stock: My Maryland, Pink Killarney, Richmond, Perles, White Killarney, Kaiserin. 2½-in. pots. \$5.00 per 100; \$47.50 per 1000. Ready middle of March.

CARNATION CUTTINGS: Enchantress, Rose Pink Enchantress, May Day, White Enchantress, Lady Bountiful, Queen Louise, White Perfection, O. P. Bassett. Price, \$3.00 per 100; \$25.00 per 1000. Ready now.

VERBENA PLANTS AND CUTTINGS

J. L. DILLON, - Bloomsburg, Pa.

CARNATIONS

Rooted Cuttings, Season 1913.

Ready Now.

	Per 100	Per 1000
Rosette.....	\$6 00	\$50 00
St. Nicholas	6 00	50 00
Benora.....	6 00	50 00
Gloriosa	4 00	30 00
White Wonder.....	3 00	25 00
White Perfection.....	3 00	25 00
White Enchantress.....	3 00	25 00
Enchantress.....	3 00	25 00
Rose Pink Enchantress.....	3 00	25 00
Scarlet Glow	3 00	25 00
Mrs. C. W. Ward.....	3 00	25 00
Bonfire.....	3 00	25 00

Rooted Cuttings Our Specialty. Fine stock: even size; well rooted cuttings.

F. DORNER & SONS CO.

LA FAYETTE, IND.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100, 5 in., 25c.
Boston and Whitman Ferns, 3-in., 10c; 4-in., 15c; 5 in., 25c.
Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Boston Ferns, 2½ in., \$3.00 per 100; \$30.00 per 1000.

Roosevelt Ferns, 2½ in., \$5.00 per 100; \$40.00 per 1000.

Whitman Compacta, 2½ in., \$5.00 per 100; \$40.00 per 1000.

250 at 1000 rates.

HENRY H. BARROWS & SON, WHITMAN, MASS.

ASPARAGUS PLUMOSUS

3-in. pots, strong, \$4.00 per 100; 2½-in. pots, \$3.00 per 100; 2-in. pots, \$2.00 per 100.

Asparagus Sprengeri, 3-in. pots, \$3.00 per 100; 2½-in. pots, \$2.00 per 100.

Daisies, yellow, 3-in. pots, \$4.00 per 100.

Anthericum Variegatum, 4-in. pots, \$1.00 per doz, 3-in. pots, 75c per doz.

Begonia Luminosa, in bloom, 4-in. pots, \$1.00 doz

Smilax, 4-in. pots, \$1.00 per doz.

Ivy, hardy English, 3-in. pots, \$4.00 per 100; 4-in. pots, \$1.00 per doz.

Kentia Belmoreana, 3 leaves, \$1.00 per doz.

Petunias, double white, 2½-in. pots, \$3.00 per 100.

Vincas, variegated, 2½-in. pots, strong, \$3 per 100.

Swainsona Alba, 2½-in. pots, \$3.00 per 100.

Rooted Cuttings of Fuchsias, 4 varieties: Feverfew, Little Gem; Ageratum, Artillery Plants, Parlor Ivy, \$1.00 per 100.

Myrtle, the real bridal Myrtle, 3-in. pots, \$1.00 per doz; 4-in. pots, \$1.50 per doz.

C. EISELE,

11th and Westmoreland Streets
PHILADELPHIA, PA.

WE GROW PLANTS

Geraniums and other Bedding plants in quantities and now have a large stock ready in splendid shape, for immediate shipment. Special price for large lots.

	2-in.	3-in.
Geraniums , Standard and Ivy Leaved Varieties.....	100	100
Mt. of Snow and Mrs. Pollock.....	\$2.00	\$3.00
Scented, Nutmeg, Lemon, etc.....	3.00	
Pansy Geraniums , Mary Washington, Mrs. Laval.....	2.00	3.00
Lantanas , 10 Varieties.....	2.00	3.00
Lemon Verbena , Aloysua Citroedora.....	2.00	3.00
Lobelia , Kathleen Mallard and Crystal Palace Gem.....	2.00	
Moonvines , Noctiflora and Leari.....	2.00	3.00
Salvia , Bonfire and Zurich.....	2.00	3.00
Parlor Ivy , Senecio Scandens.....	2.00	3.00
Swainsona , Alba, and Rosea.....	2.00	3.00
Hardy Phlox , 20 varieties.....	2.00	3.00
Smilax	2.00	

Fuchsias, Rozain Bouchard collection, one plant each, one hundred varieties, \$10.00; 2 collection, \$15.00.

Smilax Seedlings, 75c per 100, \$6.00 per 1000.

Cash with Order.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

Mention the American Florist when writing

ON YOUR WAY TO THE FLOWER SHOW

MAKE YOUR HEADQUARTERS WITH

THE HOUSE OF RICE

1220 Race Street
PHILADELPHIA, PA.

Clean Sphagnum Moss

10 Burlap Bales . . . \$13.50
10 Wired Bales (large) 11.00

Vaughan's Seed Store
CHICAGO

Osmundine

(Osmunda Fibre or Orchid Peat.)

BROWNELL'S SUPERIOR QUALITY.

Used the World Over

Price List and Samples on Request

The C. W. Brownell Company
Walden, N. Y.

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

We are now filling orders for

Southern Wild Smilax

Price, \$3.00 per case

E. A. BEAVEN, Evergreen, Ala.

Mention the American Florist when writing

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,

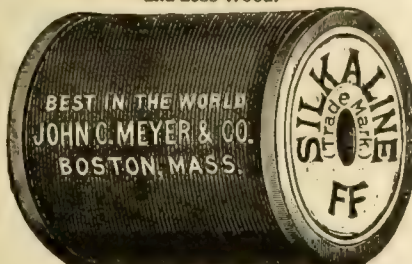
713-717 Milwaukee Ave., CHICAGO

MOSS

We have a surplus of 12 barrel bale New Jersey Moss, clean, fresh and burlapped, and will deliver anywhere in Chicago, express prepaid, at \$5.00 per bale, 2 or more bales at \$4.75. By freight collect at 25c per bale less. Satisfaction guaranteed or money refunded.

KLEHMS' NURSERIES, Arlington Heights, Ill.

Do Not Take Any Fake Green Thread. Use the Genuine Silkline and Get More Thread and Less Wood.



JOHN C. MEYER THREAD CO., Lowell Thread Mills, 1495 Middlesex St., Lowell, Mass.

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes

The MEYER Green

SILKLINE

Used by Retail Florists for mossing funeral designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it will not fade or rot in the greenhouse. The Meyer Silkline was the first green thread to be introduced among Florists and Growers. It is handled by the best houses everywhere, but it should be ordered by name—Meyer's Silkline—to be sure of getting the genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the manufacturers. Price for any size or color, \$1.25 per lb. Sizes "F" fine, "FF" medium, and "FFF" coarse

FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

SPHAGNUM MOSS

"The Jersey" kind: Burlapped; selected stock. Ten Barrel Bales. 1 bale, \$3.80; 5 bales, \$3.60 ea.; 10 bales, \$3.40 ea.; 25 bales, \$3.20 each. 5% off cash with order.

LIVE SPHAGNUM, \$1.25 per bale.

ROTTED PEAT, 60c each.

DEAL J. H. SPRAGUE Barnegat, N. J.

Nothing Can Improve on Nature

1886 1913

Southern Wild Smilax in limited quantities, in the standard sixteen cubic foot cases, \$3.00 per case.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN, ALABAMA.

Best Quality Fancy Ferns

\$1.50 per 1000

DISCOUNT ON LARGE ORDERS.

Robert Groves, 127 Commercial St. ADAMS, MASS.

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

The Best Color Chart

For Florists, Seedmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.

Published and For Sale by the

American Florist Co., 440 S. Dearborn St. CHICAGO
PRICE, ONE DOLLAR, POSTPAID.

GOLDFISH



"Something Alive in the Window"

Catches the public eye.

Order your supply now.

\$3.00 per 100 and up.

Write for catalog

AUBURNDALE GOLDFISH CO.

920 W. Randolph Street, CHICAGO

Dennison White Tag Envelopes For Florists

Handy when Enclosing Customer's Card

CARD INSIDE THIS TAG

From **R. J. Windler FLOWERS**

STRASSBERGER'S CONSERVATORY OF MUSIC
SHENANDOAH & GRAND AVE.
ST LOUIS, MO.

BOTH PHONES
BELL GRAND 127
KINLOCH VICTOR 1695

FOR ADDRESS

Attractively Printed with Crest or Special Design they have a Distinct Advertising Value

Dennison Manufacturing Company
THE TAG MAKERS

BOSTON NEW YORK PHILADELPHIA CHICAGO ST. LOUIS

Cleveland.

HOLY WEEK VERY BUSY.

Holy week was the busiest week since Christmas and the best Easter for growers and florists that we have had for years. The weather for the first half of the week was fine. On Friday a big rain storm which was general throughout the country did much damage to greenhouse glass. Saturday was an ideal day, which was a big factor in the tremendous amount of business done. The flower stands in the market houses were well patronized, and owners kept their wagons going all day bringing in stock. There was an abundance of all kinds of stock and mostly good stock, with the exception of violets, lily of the valley and sweet peas. Carnations, although plentiful and of excellent quality, cleaned up early. Pink and White Killarney roses were in good supply and stock was exceptionally fine. American Beauty roses and Richmond roses were very scarce, only a few short stemmed flowers arriving. Most of the violets this Easter looked as if they had been held too long, with the result that thousands were useless, which was a great loss all around; this made the demand for sweet peas much heavier. Lily of the valley, too, was far short of the demand. String smilax was plentiful and of good size, and the demand for it for Holy Thursday was very good. Callas and Easter lilies, one and two on a stem, for children to carry in the churches were in good demand. Bulb stock was a drug on the market. Tulips, daffodils, etc., were shipped in the latter part of the week in large quantities, but did not move. High water in the South delayed similar southern shipments just long enough to have

them late for Easter. Pansies, lilacs, snapdragon, calendula, mignonette, etc., all cleaned up nicely.

NOTES.

The Easter window made up by Clarence Meyers of the Smith & Fettes Co. fairly breathed the spirit of Easter. It attracted everyone who passed and much credit must be given to the decorator.

Frank Williams of the Cleveland Cut Flower Co. was nearly knocked out by the excessive strain during the Easter rush. On Easter Sunday he fell in the store and had to be carried to the office.

The J. M. Gasser Co.'s retail window was beautiful, as was the display at the Jones & Russell Co., the Wagner store, the Jas. Eadie Co. and the other downtown stores.

Miss Kathleen O'Connor was home most of Saturday owing to the strain of overwork, and her sister had to do most of the work at their Superior avenue store.

F. C. Bartels says he was so busy putting in glass Friday, owing to the heavy windstorms, he barely had time to pick his carnations for shipment.

The Taylor Floral Co. had an annex besides the use of the Taylor Arcade, which looked like a greenhouse.

The Lamborne Floral Co., Alliance, suffered a heavy loss of glass in Friday's storm.

C. F. B.

Buffalo.

BUSINESS SATISFACTORY.

Easter has come and gone. The florists as a whole are or should be pleased with the results. Never in the recollection of the writer has a finer week been allotted to the trade. Palm Sunday had some snow flurries but Monday and every day until Friday

was good. Friday brought windstorms in the afternoon of 86 miles an hour for a time and Saturday brought clear weather and about four degrees of frost, necessitating some wrapping of plants. It gradually changed until Sunday when the weather was ideal until about three p. m., when a heavy rain set in. Fortunately all trade was over then. Lilies were all sold by Saturday noon, the trade in general depending mostly upon S. A. Anderson and W. J. Palmer & Son. Other growers were late with their plants. Baby ramblers were full and sold well, as did azaleas, lilacs, genistas, hyacinths, tulips and spireas, which were in great demand. As in past years, prettily trimmed plants and baskets were favorites. Killarney, Ward and Bon Silene were the roses called for most. American Beauties were scarce and very small. Carnations were plentiful, of good quality and sold at \$1.00 a dozen, some at \$1.50, this being the first time in years that an arbitrary price was not asked for them. Daffodils and tulips sold well. The greatest demand was for violets which were in unlimited supply.

NOTES.

S. A. Anderson had his Easter stock on display for the public at his Elmwood avenue greenhouses Palm Sunday. About 3,000 went through the place and were welcomed by Mr. Anderson. His novelties for Easter were leghorn hats with baby azaleas, heather and ferns in them. Each was different and dainty. Bows of ribbon or tulle added to their beauty.

W. J. Clemens has purchased the Flower store of G. J. Sauer on Main street. Miss Lillian Burns will be in charge.

Buffalo will be well represented at the International Flower Show.

BISON.

**SEND ADS. NOW
FOR THE GRAND
National Flower Show
Special Number**

--- O F ---

The AMERICAN FLORIST

To Be Issued

APRIL 10

Will contain general descriptions and illustrations
of the great exhibition to be held at the

Grand Central Palace, New York, April 5-12

under the auspices of

The Society of American Florists

in co-operation with the **American Rose Society, American Carnation Society, American Sweet Pea Society, American Gladiolus Society** and other organizations.

¶ Awards so far as available will be given in this issue, making a paper full of interest and value to everyone in the trade.

¶ The advertising rates are: \$1.00 per single column inch, \$30.00 per page of 30 inches, with the usual liberal discount on consecutive insertions.

¶ To insure good location and display, advertising copy and cuts should reach us early.

American Florist Co.

440 S. Dearborn St., CHICAGO

 "The Best Selling Medium in the Trade."

Our Special Offer To the Trade

For the week ending April 1st, we offer choice extra long-stem Beauties at \$5 per dozen and long seconds at \$2.50 per dozen. Good fresh Carnations in lots of 500 or more, pink and white, \$12 per 1000. Choice Roses, long, \$8 per 100; choice Roses, medium, \$5 to \$6 per 100; choice Roses, short, \$3 per 100; assorted Roses, our selection, \$3 per 100. All other flowers at lowest market rates.

BASSETT & WASHBURN

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.

LONG DISTANCE PHONE, CENTRAL 1457.

Chicago.

THE EASTER TRADE.

The Easter trade was rather disappointing but this was to be expected considering the stormy weather of the past week. The early shipping trade was very brisk and for a time it appeared as if the market would clean up completely in most lines, but early Friday morning there was a heavy rain which afterwards turned into sleet. About 4 o'clock in the morning it hailed and shortly after daylight the hail changed to snow driven by a gale at forty miles an hour which tore up hundreds of trees, and swept away miles of trolley, electric light and telegraph wires. Telephone poles in all directions were broken off and this city for nearly a day was completely cut off from wire communications with the outside world. At 10 o'clock the sun came out for a few hours but the remainder of the day was very cloudy which of course kept the local trade from buying very heavily. Nearly all the trains were from a few minutes to several hours late and many telegrams were delayed so long on account of the wires being down that it was impossible to make the shipments so that stock would reach the customer in time for the Easter trade. The weather was a little more pleasant on Saturday but on Sunday it rained all day and the buying was very light. Soon after the storm started on Friday the prices began to drop a little, but even this did not seem to be much of an inducement to the local buyers, because the weather was always anything but pleasant, and they did not believe in stocking up too much. The plant growers had no trouble in disposing of their blooming stock and were sold out completely, especially in lily plants, long before the Easter busi-

ness really began. Cut lilies were also in great demand and advanced considerably in price early in the week. Good stock of all kinds cleaned up fairly well in roses notwithstanding the storm, but on Monday there was a surplus in nearly all lines. American Beauty roses were very scarce and in some instances the best flowers sold as high as \$8.00 per dozen. Red roses were scarce and Rhea Reid and Richmond cleaned up early at good prices. Killarney and White Killarney were very plentiful but moved readily until the storm broke. The other varieties were also in good supply. Orchids were scarce and sold at prices ranging from \$6.00 to \$9.00 per dozen. Lily of the valley was in good supply. Violets were never seen here in such large quantities at Easter before and the quality was never so bad. Most of the stock was in such poor condition that it was sold at \$1.00 per box to realize express charges. Good violets sold at much better prices but the large supply of inferior stock kept the price of the better grades down. Single violets sold quickly the latter part of the week at good figures owing to the scarcity of good Eastern stock. Sweet peas were fine and brought good prices. Carnations were in oversupply but the better grades cleaned up well at good prices. Bulbous stock of all kinds was seen at nearly all the stores in large supply but did not move any too well. Greens with one or two exceptions were plentiful. The Easter trade on the whole was as good as could be expected, all things considered, but before the bad weather set in it looked as if it might be a record breaker. This city was visited by a second storm on March 23 which was more severe than the first. A wind which reached a velocity of 56 miles an hour destroyed much property, including several greenhouses, in

this vicinity. The weather has been very unpleasant and trade consequently has suffered considerably. The market is now very quiet. American Beauty roses are now plentiful.

NOTES.

Peter Reinberg sold out completely in Richmond roses at Easter which is doing pretty well considering the large cut that he had. His storeman, Tim Matchen, was laid up for several days this week as a result of too much Easter work.

Wieter Bros. had their share of the Easter trade which was very good considering the unfavorable weather conditions. This firm is now cutting a fine supply of Mrs. Jardine roses, many of which can be seen prominently displayed in the loop stores.

W. E. Lynch says that A. L. Vaughan & Co. had a good Easter regardless of the storm and sold out well in nearly all lines. Wm. Abrahamson helped out in the shipping department for several days.

Vaughan's Seed Store had on exhibition last week some fine trusses of the new Canna Firebird, a glowing scarlet with unusually large flowers of good substance, certainly the best new variety of recent years.

J. A. Budlong is now cutting American Beauty roses of fine quality in quantity. This firm just missed Easter with this crop by a few days, but at that their flowers are bringing good prices.

Erne & Klingel report that their first Easter trade was much better than they expected, both the local and shipping trade being good.

Miss Olga Tonner was ably assisted at the store last week by her sisters, L. A. Tonner and Mrs. Thos. Fogarty.

Sam Pearce celebrated his fifty-fourth birthday on March 20.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

American Beauties

Long fancy flowers are now arriving in sufficient quantity to enable us to take care of all orders.

Big Supply Valley, Orchids, Carnations.

Current Price List.

All our quotations are subject to market fluctuations, changes without notice, and our confirmation.

AMERICAN BEAUTIES		Per Doz.	LADY HILLINGDON.		Per 100	CARNATIONS—		Per 100
Specials.....		\$6.00	Specials.....		\$12.00	Firsts.....		\$3.00
36-inch.....		5.00	Long.....		10.00	Seconds.....		2.00
30-inch.....		4.00	Medium.....		8.00	Thirds.....		1.50
24-inch.....		3.00	Short.....		\$4.00 to 6.00	ORCHIDS, Cattleyas... per doz., 6.00 to \$7.50		
20-inch.....		2.00	RICHMOND.		Per 100	JONQUILS..... 3.00		
15-inch.....		1.50	Specials.....		\$10.00	DAFFODILS..... 3.00		
12-inch.....		1.00	Long.....		8.00	LILIES..... 12.50		
Short stem.....	Per 100,	6.00	Medium.....		6.00	SPIREAS, Cut..... 4.00		
PRINCE DE BULGARIE, Antoine Rivotre or			Short.....		4.00	TULIPS, double..... 4.00 to 5.00		
Mrs. Taft.....			KILLARNEY.		Per 100	TULIPS, single..... 3.00 to 4.00		
Specials.....		\$12.00	Specials.....		\$10.00	VALLEY..... 3.00 to \$4.00		
Long.....		10.00	Long.....		8.00	VIOLETS, Single Princess of Wales..... 1.00		
Medium.....		8.00	Medium.....		6.00	VIOLETS, Fragrant Home Grown..... 1.00		
Short.....	4.00 to 6.00		Short.....		4.00	SWEET PEAS, fancy..... 1.00 to 1.50		
MRS. AARON WARD.			KILLARNEY QUEEN		Per 100	ADIANTUM CROWEANUM..... 1.00		
Specials.....		\$12.00	Specials.....		\$12.00	SMILAX..... Per doz. 2.50		
Long.....		10.00	Long.....		10.00	SPRENGERI..... 2.00 to 4.00		
Medium.....		8.00	Medium.....		8.00	PLUMOSUS SPRAYS..... 3.00 to 4.00		
Short.....	4.00 to 6.00		Short.....		4.00 to 6.00	PLUMOSUS STRINGS..... each .60		
MELODY, specials.....			WHITE KILLARNEY.		Per 100	FERNS..... per 1,000, 2.50		
Long.....		10.00	Specials.....		\$10.00	GALAX..... per 1,000, 1.25		
Medium.....		8.00	Long.....		8.00	LEUCOTHOE..... per 100, .75		
Short.....	4.00 to 6.00		Medium.....		6.00	BOXWOOD, bunch, 25c; 50-lb. case, 7.50		
			Short.....		4.00			

Supply Department.

Our success in this department has been gained by prompt shipment of all orders, reasonable prices and good clean stock.

We now offer a full line of **Baskets for Weddings, Table Decorations, etc.**, assortment \$5.00 to \$25.00 selected by us; will guarantee to give satisfaction.

Cape Flowers, white, 85c per pound; colored, \$1.00 per pound. **Capeblumens**, (Artificial Capes) 50c per hundred. **Galvanized Wire Stakes**.

Cemetery Vases, glass, \$2.00 per dozen; Green Enameled, \$1.60 to \$2.00 per dozen. **6-inch Valley Chiffon**, special per yard, 4½c. **10-inch Valley Chiffon**, special per yard, 7½c. **Ruscus, Magnolia Leaves, Cycas Leaves, Wheat Sheaves.**

Cut Flower Boxes. Corrugated Boxes. Wire Designs.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

BEAUTIES--ROSES--CARNATIONS

CURRENT PRICE LIST:

Buy from us and get the best stock in the market at the most reasonable prices. All late orders will be filled in full.

American Beauties.

Per Dozen	Per Dozen
60-in. stems.....\$4 00	24-in. stems.....\$1 75
48-in. stems.....3 00	20-in. stems.....1 50
36-in. stems.....2 50	15-in. stems.....1 00
30-in. stems.....2 00	Short stems.....75

Killarney.

Per 100	Per 100
Extra special.....\$ 8.00	Medium.....\$ 5.00
Selects.....7.00	Good.....4.00
Fancy.....6.00	Short stems.....3 00

My Maryland

Per 100
Fancy.....\$ 8 00
Good.....6.00
Short.....4.00

Sunburst

Per 100
Fancy.....\$10.00
Good.....8.00
Short.....6.00

Roses, our selection - - - \$3.00

Carnations Extra Special Red, Enchantress, Pink and White, \$3 00 per 100.

Richmond

Per 100
Extra specials.....\$ 8.00
Selects.....7.00
Fancy.....6.00
Medium.....5.00
Good.....4.00
Short stems.....3.00

White Killarney

Per 100
Extra specials.....\$ 8.00
Selects.....7.00
Fancy.....6.00
Medium.....5.00
Good.....4.00
Short stems.....3.00

Carnations Good Red, Enchantress, Pink and White, \$2.00 per 100.

FERNS, per 1000.....	\$2.50
SMILAX, per doz.....	\$1.50 to 2.00
ADIANTUM, per 100.....	1 00 to 1.50
GALAX, per 1000.....	1.00
SPRENGERI, per bunch.....	.50
ASPARAGUS SPRAYS, per bunch.....	.50
LILIES.....per 100, 12.00	

The Cook County Florists' Association bowling league which plays the Milwaukee florists in the Wisconsin city next Sunday, March 30, has chartered a special car on the Chicago and Milwaukee electric line, which will leave Central street in Evanston at 12 noon, sharp. The committee extends a cordial invitation to everyone in the trade to accompany the bowlers. All persons intending to make the trip should notify Allie Zech, as early as possible, so that the proper arrangements for all can be made. Return trip tickets can be purchased at \$2 each.

W. J. Niessen, the Chicago Flower Growers Association's bookkeeper's home at 3105 North Sawyer avenue was partly destroyed by fire on the morning of the big storm, when the house adjoining was blown over on to his and caught fire shortly after. A little boy in the neighboring home was crushed to death but his brother, who was sleeping in the same bed escaped injury altogether. Fortunately, no one in the Niessen family was hurt.

John Ziska has a substitute for the old cloth clock dial which costs about one-half less and gives as good satisfaction. It is made of cementine and is on exhibit at Joseph Ziska's store. When he is not otherwise employed, Mr. Ziska is always figuring out how he can save money for his firm's customers and this one item alone will be a big saving in supplies to the retail florist. Samples of the new clock face from this firm will be disposed of at a small cost.

Poehlmann Bros. Co. cleaned up completely in blooming plants for Easter and would have done the same in cut flowers if the telegrams that their customers sent had arrived in time. Otto W. Frese says that only four were received on March 21, which

amounted to practically nothing considering that 40 or 50 are usually received on an ordinary Friday. Many of the telegrams containing Easter orders arrived as late as Tuesday.

August Poehlmann and wife, W. N. Rudd and wife, Geo. Asmus and others bound for the National Flower Show, New York, will leave on the Lake Shore Limited (La Salle Street Station), Friday, April 4, at 5:30 p. m. Berths should be reserved well in advance by notifying G. K. Thompson, General Passenger Agent, 100 South Clark street, telephone Randolph 5300.

The George Wittbold Co., according to Louis Wittbold, did a good Easter business in both the retail and wholesale departments. The store was a beautiful sight shortly before Easter when it was stocked completely with a fine line of seasonable plants and cut flowers artistically arranged.

Bassett & Washburn received 22 telegrams last Saturday that should have arrived the day before. The delay of course hurt their shipping trade considerably. Trade at this store however was good, and as brisk as could be expected under the circumstances.

F. A. Parkmore, proprietor of the Lake Shore Greenhouses, 1429 Morse avenue, opened his establishment March 20 and enjoyed a very busy Easter trade. He has completed two greenhouses and is now erecting another.

Percy Jones' Easter trade was very good, both the cut flowers and supply department doing a good business. All but four of last year's customers were served in addition to the new ones that were recently added to the list.

E. E. Pieser, the Peony King, has sold out his interests in the peony farm at Villa Ridge to Spalding Bros. who are now the sole proprietors. Kennicott Bros. will handle the crops or a portion of them as heretofore.

Frank Oechslein had such a big demand for blooming plants for Easter that he was obliged to refuse orders. His lily plants were fine and attracted much attention at Chas. W. McKellar's store, where they were on sale.

The J. B. Deamud Co., is showing some fine daisies and tulips besides a fine line of all other seasonable stock. Mr. Deamud had better watch his help carefully or he will miss one of his "Daisies" one of these days.

The next regular meeting of the Cook County Florists' Association will be held at the Tavern, West Washington street, on Thursday, March 27, when the officers elected at the last meeting will be installed.

Joe Beaver is an expert when it comes to the distributing of advertising matter. His work for the spring show was well done and the posters were prominently displayed.

John Michelsen says that the E. C. Amling Co.'s Easter trade was good but that the receipts would have been much larger if the violets had been better in quality.

The next regular meeting of the Florists' Club will be held at the Union Restaurant, West Randolph street, on Thursday, April 10.

Theodore Wirth, of Minneapolis, Minn., vice-president of the Society of American Florists, was a visitor this week.

E. F. Winterson says that his firm disposed of nearly three carloads of blooming plants at Easter.

Weiland & Risch had a good Easter trade and succeeded in disposing of all their stock at good prices.

O. P. Bassett, who is now located at Pasadena, Calif., will celebrate his seventy-eighth birthday on April 2.

Frank Johnson, of the A. L. Randall Co., made a business trip to New York this week.

FINE RICHMOND

WHITE KILLARNEYS PINK

**American Beauty, My Maryland, Melody,
Ward and Sunrise Roses. Also Carnations.**

Current Price List

AMERICAN BEAUTIES—		Per doz.			
Extra long stems.....		\$4.00	Sunrise	\$4.00 to \$8.00	
48-inch stems		3.50	Roses, our selection.....	3.00	
36-inch stems		3.00	Carnations	2.00	
30-inch stems		2.50	" Fancy	3.00	
24-inch stems		2.00	" Splits	1.00	
20-inch stems		1.50	Harrisii	12.50	
18-inch stems		1.25	Valley	3.00 to 4.00	
12-inch stems		1.00	Violets	.75 to 1.00	
Short		.75	Sweet peas	.75 to 1.50	
Richmond.....			Tulips	3.00 to 4.00	
Killarney.....	Extra select	\$10.00	Jonquils	3.00 to 4.00	
White Killarney.....	Select	\$6.00 to 8.00	Adiantum	1.00	
My Maryland.....	Medium	4.00 to 6.00	Asparagus, per bunch.....	.50 to .75	
Wards.....			Ferns, per 1,000.....	2.50	

2,000,000 Feet of Modern Glass

PETER REINBERG

30 E. Randolph St.,

**L. D. PHONE
CENTRAL 2846**

Chicago

A. L. VAUGHAN & CO.

(NOT INC.)

BIG SUPPLY

**Fancy Roses, Carnations, Sweet Peas, Lilies, Violets,
Valley, Jonquils, Tulips and greens of all kinds.
The best ferns at \$1.50 per 1000 until April 1.
Order your supply today.**

161 N. Wabash Ave.,

**L. D. Phone:
Central 2761**

CHICAGO

The Kidwell establishment on Wentworth avenue, was slightly damaged by the recent storm. The Wellworth Farm Greenhouses at Downer's Grove, in which J. F. Kidwell is interested was partly destroyed, a report of which will be found elsewhere in this issue.

John Kruchten's garden growers at Deerfield, had the misfortune of having one of their houses entirely blown down and the glass in two others badly

broken. Mr. Kruchten says that the loss will total several thousand dollars.

The Chicago Carnation Co. cleaned up completely on white carnations for Easter, but the storm affected the market considerably on the other varieties, a slump in prices occurring the last few days.

John Zech says Zech & Mann disposed of about all their stock with the

exception of carnations. The early shipping trade at this house was very good.

Clifford Pruner and A. F. Longren, Poehlmann Bros. Co.'s traveling representatives, are making preparation to start out on new trips.

Anton Then sold 11,000 lily plants Easter week. The stock was exceptionally fine and was in great demand.

BEAUTIES WE HAVE 'EM BEAUTIES

Just on with a fine crop of **Spring Beauties** and from now on we will be able to take care of your Beauty wants. Order some and be convinced. Also a heavy supply of **Roses, Carnations, Violets, Sweet Peas, Tulips, Jonquils, Daffodils, Mignonette** and other **High Grade Quality Stock**, besides a large supply of our famous **Blue Ribbon Valley** for Spring weddings, which is recognized by city buyers to be the **best Valley** on the Chicago market.

OUR MOTTO

HONEST DEALINGS

GOOD VALUES

We aim to **please** in every respect and out-of-town customers will be **benefited** by sending us their orders; by so doing you will find we can **save you money**.



We grow our own stock, thereby assuring you of getting **absolutely fresh stock**, besides **saving you the commission man's profit**.

**Quality
Speaks
Louder
than
Prices.**

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

**ROSES, VALLEY
and CARNATIONS
A Specialty.....**

**WHOLESALE
Grower of**

CUT FLOWERS

**Shipping
Orders
Given
Careful
Attention**

The George M. Garland Co., greenhouse builders of Des Plaines, Ill., have filed a petition in bankruptcy with liabilities at \$22,320.47, assets \$52,087.

Vaughan's Seed Store have put on the run from their nurseries and greenhouses at Western Springs and their city stores a White motor truck.

Horticultural Society of Chicago.

SPRING SHOW SPECIAL FEATURES.

During the Spring Show of the Horticultural Society of Chicago to be held at the Art Institute next week (April 1-5 inclusive), illustrated lectures will be delivered as follows:

Wednesday afternoon, 3:30 o'clock, Fullerton hall, "Flowers for the Home Grounds," by H. B. Dorner, Professor of Floriculture, University of Illinois.

Wednesday evening, 8:00 o'clock, club room, "Fertilizers," by F. W. Muncie, Professor of Chemistry, Department of Horticulture, University of Illinois.

Thursday evening, 8:00 o'clock, Fullerton hall, "Flowering Shrubs in their order of Blooming," by Wm. A. Peterson, Chicago.

Friday evening, 8:00 o'clock, club room, "Color Harmony in Planting," by Prof. C. F. Kelley, University of Illinois.

Saturday evening, 8:00 o'clock, club room, "How to Care for Trees," by Dr. Frank Johnson, Glen Ellyn, Illinois.

R. C. Lund, head gardener for Sears, Roebuck & Co., will be in attendance during the show to demonstrate how to sow seeds, to transplant and shift plants and to answer questions relating to the trials and troubles of amateur gardeners.

C. J. Stromback, landscape gardener, for over 30 years head gardener in Lincoln Park, will have charge of

O. R. ECKHARDT CO.

Wholesalers of Cut Flowers
and Florists' Supplies

St. Paul, Minn.

the Bureau of Information. Mr. Stromback will be in attendance during the entire show to give information regarding trees, shrubs, plants, etc.

The flower booth for the sale of cut flowers and flower show posters is in charge of Miss L. A. Tonner.

Providence, R. I.

BEST EASTER YET.

With ideal weather conditions as the leading feature, the local florists were enabled to do the best Easter business in several years. The clean-up on plants was complete, nothing like it being known to the oldest inhabitant. Lilies at \$1 to \$2, hyacinths at 75 cents to \$2, daffodils and tulips at 75 cents, \$1 and \$2, lily of the valley at \$1 and \$1.50, all potted stock, were sold out early Saturday evening. The demand for nice clean azaleas at \$3 to \$5, was very encouraging and the quality was fine. Very few bougainvilleas, hydrangeas, rambler roses, spireas, pansies, cinerarias, double daffodils, or novelty plants were sold. The demand for fancy basket arrangements was limited. Carnations were scarce at \$1 a dozen retail, but the demand is gradually falling off at Easter; in fact, roses moved less briskly than last year. Violets were as active as ever and shared with sweet peas in receiving the public's favor for corsage bouquet flowers. The prices obtained on all flowers were sat-

Kennicott Bros. Co.

Wholesale Cut Flowers

**BOXWOOD—Extra Fine,
\$7.50 per case.**

**163-165 N. Wabash Av.
CHICAGO**

L. D. Phone Central 466

Mention the American Florist when writing

isfactory, and there was but little rise in wholesale figures. Business was safely 25 per cent greater than last Easter.

M. F.

JOHN F. KIDWELL, President.

EDWARD MEURRT, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

KILLARNEYS

Large supplies of the finest White and Pink obtainable in the Chicago market.

Also a big quantity of all other seasonable Flowers and Greens.

PUSSY WILLOWS, 35c to 50c per bunch

Easter Price List.

Subject to change without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 6.00	\$ 5.00	\$ 4.00	\$3.00	2.00
Killarney.....per 100	8.00	6.00	5.00	4.00	3.00
White Killarney.....	8.00	6.00	5.00	4.00	3.00
My Maryland.....	8.00	6.00	5.00	4.00	3.00
Richmonds.....	8.00	6.00	5.00	4.00	3.00
Mrs. Aaron Ward.....	8.00	6.00	5.00		
Sunburst.....	8.00	6.00	5.00		
Carnations.....	4.00	3.00	2.00	1.50	
Callas.....	15.00	12.50			
Lily of the Valley.....	4.00	3.00			
Violets, Extra fine single.....	1.50	1.00			
Double.....	1.00	.75			
Sweet Peas.....	1.50	1.00	.75		
Jonquills.....	4.00	3.00			
Tulips.....	4.00	3.00	2.00		
Easter Lilies.....	12.50	10.00			
Daisies.....	1.50	1.00			
Asparagus Plumosus Sprays..per 100	4.00	3.00	2.00		
Asparagus Sprengeri Sprays..	3.00	2.00			
Mexican Ivy.....	.60				
Smilax.....	16.00	12.50			
Galax, Green and Bronze.....per 100C	1.00				
Ferns.....	2.00				
Boxwood.....bunch	.25				
Adiantum.....per 100	1.00	.75			

St. Louis.

BEST EASTER YET.

Never in the history of this city were more flowers shipped out Good Friday. All five wholesale houses had heavy shipping orders, the bulk coming from Texas and the South. The weather was clear and cold and early morning plant deliveries on Saturday had to be well wrapped up. It warmed up at noon however. All the retailers say this was the biggest Easter on record. Lilies, which were expected to be plentiful, were scarce. Violets and sweet peas cleaned up at advanced prices and more could have been sold. Bulbous stock sold fairly well.

NOTES.

We regret to announce the death of Fred Ostertag, brother of Henry Ostertag. The end came last Tuesday evening after a lingering illness of many months. He was associated with his brother for many years in the business but of late years, owing to illness, took little active part in the work. The funeral took place Thursday, March 20. Mr. Ostertag was a member of the Odd Fellows and the Modern Woodmen. Floral offerings were many and very beautiful. He was 43 years of age.

A visit to the store of M. M. Ayres was worth the time spent. A finer display of blooming plants was never seen. Azaleas, spireas, lilies of all varieties, crimson rambler roses, blue hydrangeas, especially imported, were among the novelties. The display of cut flowers was very beautiful. Sweet peas with 15 to 18 inch stems and gorgeous flowers as well as violets and roses of the finest quality were to be seen.

H. G. Berning had an immense supply of everything. Hundreds of lilies, jonquills, roses, violets and sweet peas filled the counters.

PULLMAN EQUIPMENT

Pullman Equipment is essentially similar on all main lines of travel, but one finds the newest little refinements of service upon those lines which match it with their up-to-date Chair Car and Coach Equipment. Pullman builds the best cars, and the Chicago Great Western runs the best cars Pullman builds.

THE GREAT WESTERN LIMITED

the spotless steel train of solid Pullman Equipment leaves Chicago Grand Central Depot at 6:30 p. m., arrives St. Paul 7:30 a. m., Minneapolis 8:05 a. m. After theatre train leaves Chicago 11:00 p. m., arrives St. Paul 1:35 p. m., Minneapolis 2:10 p. m.

Chicago Great Western

A. L. Craig, G. P. A.

1139 People's Gas Building,
Chicago.

C. A. Kuehn had a fine display of all seasonable flowers and the quality and variety of the stock held up the house's reputation of first class stock. The carnations, sweet peas and lily of the valley were especially fine.

The W. C. Smith Wholesale Floral Co., notwithstanding the increase in their delivery system, were taxed to

the utmost to deliver the orders entrusted to their care. Everything was well taken care of however.

At Geo. H. Angermueller's the business was well taken care of. Large quantities of flowers were unloaded and supplies were moved in large quantities. A fair shipment of fancy white lilac was seen.

"The Busiest House in Chicago."

Big Supply Cut Flowers

Lilies, Roses, Carnations,
Violets, Valley, Tulips, Daffodils,
Callas, Daisies and all other
seasonable flowers and greens.

J. B. DEAMUD CO.

Phones { Central 3155. 160 N. Wabash Av., CHICAGO
Auto. 44-389.

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street

L. D. Phone, Randolph 6578

CHICAGO, ILL.

For the first time in its history Shaw's Botanic Garden was open Easter Sunday. Five thousand Easter lilies were in bloom. Thousands of the finest hyacinths and tulips as well as other flowers were shown.

H. G. Berning and wife will leave St. Louis Thursday, March 27, for San Antonio, Texas, in the hope of improving Mrs. Berning's health.

The Wendler Wholesale Floral Co. has been receiving large quantities of fine flowers all week. This firm cleaned up in everything.

Ostertag Bros. have added another shipping and packing room. They contemplate a bigger store and further improvements.

The Florists' Retail Association meets Wednesday, March 26. A banquet at the Washington hotel is on the program.

Mrs. Coddling, 2812 Chippewa street, has a very pretty store and is doing a nice cut flower and plant trade.

The W. C. Smith Wholesale Floral Co., 1316 Pine street, has added a new auto truck to its equipment.

Foster, the Florist, has an immense floor space which showed his Easter stock to good advantage.

Alex Siegel had the largest trade Saturday since he has located in his present place.

Otto Sanders & Kalish Brothers had a superb display of blooming plants for Easter.

John Barnard did a splendid trade and his business is increasing daily.

W. F.

Milwaukee.

EASTER WEEK GOOD.

Last week was a busy one for both the retailer and the wholesaler from early morning until late at night. There were plenty of carnations and they moved readily and brought good prices. Roses were plentiful with the exception of American Beauties and

Richmond. Sweet peas and violets were in great demand, hence a scarcity. Harris lilies were scarce in both the plants and the cut and this condition prevailed in the surrounding markets and what did come in sold readily and brought good prices. There were plenty of bulb stocks which moved well as did mostly all stock arriving on the market. There were plenty of greens to supply the demand.

NOTES.

The C. C. Pollworth Co. reports having had the largest Easter trade in the history of their business, which kept the entire force busy getting out both their shipping and city orders.

W. C. Zimmermann says his Easter business was very good. Mr. Zimmermann had a very pretty window decoration which attracted much attention.

Edlefsen & Leidiger had a very large and fine display of plants at their conservatory and were completely cleaned out at a very early hour on Saturday.

The Holton & Hunkel Co. reports having had a fine Easter trade, having sold out all stock at both their greenhouses and store.

Gust. Rusch & Co. report having an exceptionally fine Easter with plenty of stock to fill their orders. All stock was sold Sunday noon.

Manke Bros. had an exceptionally fine cut of carnations for the Easter trade.

The Heitman-Oestreicher Co. had a fine cut of carnations for Easter.

Nohos & Co. report business for the past week as very satisfactory.

BOWLING SCORES.

A. Hare	123	155	152
G. Pohl	144	131	134
W. Schmitz	141	134	...
H. Hiene	110	118	...
W. Halliday	142	121	163
G. Kellner	159	113	127
G. Rusch	164	113	...
H. Schimmels	153	106	126
G. Oestreicher	95	114	126

PERCY

Wholesalers of

**CUT FLOWERS and
FLORISTS' SUPPLIES**

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

Mention the American Florist when writing

Railway Gardening Association.

The proceedings of the sixth annual meeting of the Railway Gardening Association, held at Roanoke, Va., August 13-16, 1912, have come from the press. Reports of officers and some interesting papers read at the convention are included in the contents. Officers for 1912-13 are: C. H. Tritschler, Nashville, Tenn., president; John Gipner, Miles, Mich., John Rinck, New Orleans, La., C. J. Andrews, Morton, Pa., R. D. Prettie, Winnipeg, Man., Can., vice-presidents; Wm. F. Hutchinson, Sewickley, Pa., secretary; J. K. Wingert, Chambersburg, Pa., treasurer.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 7720.

CHICAGO

Everything in Cut Flowers and Supplies.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids, Violets and Other Seasonable Stock.

Long Distance Phone
Central 3598.

We have a big supply of
Mexican Ivy
and a surplus of choice
MAGNOLIA LEAVES.

H. WITTBOLD

56 Randolph St., CHICAGO
Phone Randolph 4708

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151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
Telephone, Central 3284.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS

Our Specialties.

HOERBER BROS.

Wholesale Growers of **Cut Flowers**

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., CHICAGO

Magnolia Leaves

Cycas Leaves
AMERICAN OAK SPRAYS
Ruscus

Write for samples

OSCAR LEISTNER, 17 North Franklin Street
CHICAGO

Selling Agents for OVE GNATT Hammon 1

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers
at Lowest Market Prices.

30 E. Randolph St., CHICAGO

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET

CHICAGO.

D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, March 26.	Per doz.
Roses, Beauty, specials.....	\$6 00
" " 36-in.....	5 00
" " 30-in.....	4 00
" " 28-in.....	3 00
" " 15-20-in.....	1 50@2 00
" " 12-in.....	1 00
" " Short.....	\$6 00
" Killarney.....	4 00@10 00
" White Killarney.....	4 00@10 00
" Richmond.....	4 00@10 00
" Prince de Bulgarie.....	4 00@12 00
" Radiance.....	4 00@12 00
" My Maryland.....	4 00@10 00
" Melody.....	4 00@12 00
" Mrs. Jardine.....	4 00@10 00
" Lady Hillingdon.....	4 00@12 00
" Sunburst.....	4 00@12 00
Carnations.....	1 00@3 00
Daffodils.....	3 00
Cattleyas.....per doz., 6 00@7 50	
Gardenias.....	2 00@4 00
Jonquils.....	3 00
Lilium Harrisii.....	12 50
Tulips.....	3 00@5 00
Violets.....	50@1 00
Valley.....	3 00@4 00
Sweet Peas.....	1 00@1 50
Adiantum Croweatum.....	1 00
Boxwood.....per lb.,	25
Ferns.....per 1000, 2 00@2 50	
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy.....per 1000, 5 00@6 00	
Plumous Strings.....each, 50@60	
Smilax.....per doz., 1 50@2 00	
Sprengeri, Plumous Sprays.....	3 00@3 40

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing

WIETOR BROS.

Wholesale Growers of **CUT FLOWERS**

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

Chicago Carnation Co.

Wholesale Florists,

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

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W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing



Mention the American Florist when writing

CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

Green Sheet Moss

For lining hanging baskets, for decorating
show windows, for covering soil on pot
plants, etc. 1 Bale (5 bundles).....\$1.25
5 bales (25 bundles)..... 6.00

GEO. H. ANGERMUELLER,
Wholesale Florist. ST. LOUIS, MO.

Philadelphia.

INCREASED EASTER TRADE.

Everybody appears to be pleased with the Easter trade, the volume of business done being greater than that of last season. With few exceptions, the growers sold out clean. Important factors in this demand were the large department stores. Wanamaker's opened on Monday with eight large vanloads from one grower. Gimbel Bros. and other large stores were also large purchasers. Lilies were the chief drawing card, being advertised at fifteen cents a flower and bud. The Easter stock is always given the best positions in the store on or adjoining the main aisles. While the lilies are sold so close to cost, the other stock is for the most part marked up at double the purchase price. In most of the retail stores twenty-five cents a bud or flower was the price, although some offered their stock at twenty cents. The wholesale figure was for the most part twelve cents per bud and flower, although some of the smaller growers sold out for ten cents. By Friday, the plant and lily market was entirely cleaned up of salable stock. There were some few lots here and there which did not make it but at least ninety per cent of the lilies were on time, a very good record considering the early date. Azaleas were in great demand and every grower sold out clean. Rambler roses were great favorites and all well flowered stock found ready sale. Tausendschon was the favorite. Well flowered plants of this variety are simply irresistible. Baby Tausendschon, of which there were a few plants offered this season, looks to have a great future as an Easter plant. It will be especially useful in basket work. Hydrangeas were disappointing. A few growers managed to get a part of their stock in fairly good shape, but most of the plants offered were too green, lacking the color that is so essential. Great things are predicted of the new French varieties for next season. Cut Easter lilies were in great demand, the market being cleaned up to the last flower on Saturday night. One hundred dollars a thousand was the price, or twelve cents each in smaller quantities. Roses were about equal to the demand, except American Beauties, the supply of this variety being away behind. A good house of Cecil Bruners would have paid well this season. There were carnations enough and of excellent quality. Snapdragons were in

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, March 26.		Per 100
Roses, Beauty, extra.....	50 00@60 00	
first.....	20 00@35 00	
Brides and Maids.....	4 00@12 00	
Killarney.....	4 00@15 00	
White Killarney.....	4 00@15 00	
Liberty.....	6 00@15 00	
Carnations.....	3 00@ 5 00	
Cattleyas.....	35 00@50 00	
Daffodils.....	2 50@ 3 00	
Freelias.....	3 00@ 6 00	
Gardenias...per doz., 1 00@ 2 00		
Lilium Harrisit.....	8 00@12 00	
Lily of the Valley.....	3 00@ 5 00	
Calla Lilies.....	10 00@12 00	
Marguerites.....	1 50@ 3 00	
Snapdragons.....	10 00@20 00	
Sweet Peas.....	75@ 1 50	
Violets, single.....	75@ 1 00	
double.....	75@ 1 00	
Asparagus.....per bunch, 50		
Tulips.....	2 00@ 4 00	

PITTSBURG, March 26		Per 100
Roses, Beauty, special.....	50 00	
extra.....	30 00	
No. 1.....	15 00	
Killarney.....	3 00@10 00	
My Maryland.....	3 00@10 00	
Richmond.....	3 00@10 00	
Carnations.....	3 00	
Calla Lilies.....	12 00	
Freelias.....	3 00	
Gardenias.....	3 00	
Daisies.....	2 00	
Cattleyas.....	50 00	
Violets.....	50@ 75	
Sweet Peas.....	75@ 1 00	
Lilium Longiflorum.....	12 00	
Lilium Rubrum.....	8 00	
Lily of the Valley.....	4 00	
Tulips.....	3 00	
Paper White.....	3 00	
Romans.....	2 00	
Poeticus Narcissus.....	1 00	
Oncidiums.....	4 00	
Lilac.....per bunch, \$1 00		
Asparagus Sprengeri, per bunch, 35@40		
Sprays.....per bunch, 35@40		

MILWAUKEE, March 26.		Per 100
Roses, Beauty, per doz., 2 00@5 00		
White and Pink Killarney.....	4 00@10 00	
Richmond.....	4 00@10 00	
Carnations.....	1 50@ 3 00	
Callas.....per doz., 8 00@10 00		
Easter Lilies.....	6 00@10 00	
Lily of the Valley.....	3 00	
Sweet Peas.....	50@ 1 50	
Tulips.....	3 00	
Trumpet.....	3 00	
Paper White.....	2 00@ 3 00	
Violets, Wisconsin grown.....	50@ 75	
Asparagus.....per string, 50		
Sprengeri, per bunch, 35		
Ferns, fancy.....per 1000, \$2 50		

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

Easter Lilies, Tulips, Daffodils, Violets,
all the popular roses. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist.
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.

Supplies and Everything in Season always on hand

Beauties in Quantity

Stock of the Finest Quality

THE LEO NIESSEN CO.,

Wholesale Florists,
N. W. Cor. 12th and Race Sts.,

Philadelphia, Pa.

WE are in a position to offer you the largest supply of Beauties in this market. When in need of a quantity, get our prices and you can always depend on us, to fill your order.

EASTER LILIES

All year round grown by

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Mention the American Florist when writing

good supply and sold well. Violets were disappointing; the weather, the growers say has been too warm, much of the stock was poor and did not keep at all well. Gardenias were plentiful and were offered on the street very low on Sunday morning. Daffodils were a feature. The Emperor was offered in quantity. The quality was fine. Cattleyas were scarce and while there appeared enough for the demand, they brought high figures. The feature of the week was the weather, which was ideal, only one wet day and this not serious. The auto trucks and cars were a great factor in the delivery. More than half the stock was delivered in this way and the horse and wagon will soon be a thing of the past.

NOTES.

Robert Crawford, who has the honor of being the first to have an automobile delivery wagon, an electric, but which he discarded years ago, put on the street in time for his Easter business, a fine new machine, which he finds a great help in that he can cover so much more territory than before.

B. Eschner of the M. Rice Co. and wife, sailed for Europe, March 22, on the S. S. George Washington. Mr. Eschner will visit various countries abroad in search of novelties for next season's business.

H. Van Teylinger will read a paper on May-flowering and Darwin tulips, at the April meeting of the Florists' club, Tuesday, April 1. Chas. Meehan will tell of his visit to Panama and the canal.

K.

NAHANT, MASS.—Thomas Roland gave a free public exhibition at his greenhouses Palm Sunday. The display was visited by hundreds.

TACOMA, WASH.—Members of the old informal rose society were transferred to the new incorporated Tacoma Rose Society at a meeting held March 3.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, March 26.		
Roses, Beauty, special.....per doz.,	\$6 00	
" " fancy.....per doz.,	4 00	
" " extra.....per doz.,	3 00	
" " No. 1.....per doz.,	2 00	
" " No. 2.....per doz.,	50@ 75	
" Maid and Bride.....per 100	5 00@ 7 00	
" Pink Killarney.....per 100	5 00@ 12 00	
" White Killarney.....per 100	5 00@ 12 00	
" Richmond.....per 100	5 00@ 12 00	
" My Maryland.....per 100	4 00@ 10 00	
" Aaron Ward.....per 100	4 00@ 8 00	
" Kaiserin.....per 100	4 00@ 8 00	
" Carnot.....per 100	4 00@ 8 00	
Carnations.....per 100	1 00@ 3 00	
Lilium Longiflorum.....per 100	10 00@ 12 00	
Lily of the Valley.....per 100	3 00@ 4 00	
Pink Japan Lily.....per 100	3 00@ 5 00	
Narcissus.....per 100	2 00@ 3 00	
Jonquils.....per 100	2 00@ 3 00	
Violets.....per 100	50@ 75	
Mignonette.....per 100	3 00@ 5 00	
Daisies.....per 100	1 00@ 1 50	
Asparagus, per bunch.....per 100	35@ 50	
Asparagus, Sprenger.....per 100	35@ 50	
Ferns.....per 1000,	\$2 50	
Galax.....per 1000,	\$1 50	
Smilax.....per 100	15 00	

BOSTON, March 26		
Roses, Beauty, best.....per 100	50 00@ 75 00	
" " medium.....per 100	18 00@ 25 00	
" " culls.....per 100	4 00	
" White and Pink Killarney.....per 100	2 00@ 6 00	
" Taft.....per 100	6 00@ 10 00	
" Cardinal.....per 100	4 00@ 10 00	
" Ward and Hillingdon.....per 100	2 00@ 8 00	
" Killarney and Richmond.....per 100	2 00@ 8 00	
" My Maryland.....per 100	2 00@ 8 00	
Carnations, select.....per 100	2 00@ 3 00	
Callas.....per 100	8 00@ 12 00	
Cattleyas.....per 100	25 00@ 40 00	
Gardenias.....per 100	12 00@ 25 00	
Lilium Longiflorum.....per 100	8 00@ 10 00	
Lily of the Valley.....per 100	2 00@ 4 00	
Sweet Peas.....per 100	50@ 75	
Smilax.....per 100	12 00@ 16 00	
Violets, single.....per 100	35@ 75	
" double.....per 100	25@ 50	

CINCINNATI, March 26.		
Roses, Beauty.....per doz.,	\$1 00@ \$4 00	
" " Bride, Bridesmaid.....per 100	3 00@ 8 00	
" Killarney.....per 100	3 00@ 8 00	
" My Maryland.....per 100	3 00@ 8 00	
" Perle.....per 100	3 00@ 8 00	
" Richmond.....per 100	3 00@ 8 00	
" Taft.....per 100	3 00@ 8 00	
Carnations.....per 100	3 00@ 4 00	
Callas.....per 100	12 50@ 15 00	
Lilium Giganteum.....per 100	12 50@ 15 00	
Lily of the Valley.....per 100	3 00@ 4 00	
Orchids.....per doz.,	4 00@ 6 00	
Narcissus.....per 100	2 00@ 3 00	
Tulips.....per 100	2 00@ 4 00	
Jonquils.....per 100	2 00@ 3 00	
Dutch Hyacinths.....per 100	3 00@ 4 00	
Roman Hyacinths.....per 100	2 00@ 3 00	
Violets.....per 100	50@ 1 00	
" double.....per 100	50@ 75	
Freerias.....per 100	2 00@ 3 00	
Sweet Peas.....per 100	35@ 1 00	
Asparagus Plumosus.....per bunch,	25	



Give us a Trial
We Can
Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

Jobbers of FLORISTS' SUPPLIES,
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

St. Louis, March 26.		
Roses, Beauty, long.....per doz.,	4 00	
Roses, Beauty, medium.....per doz.,	8 00@ 15 00	
Roses, Beauty, short stems.....per doz.,	3 00@ 6 00	
" Killarney.....per 100	5 00@ 10 00	
" My Maryland.....per 100	5 00@ 10 00	
" White Killarney.....per 100	5 00@ 10 00	
Carnations.....per 100	3 00@ 4 00	
Lilium Rubrum.....per 100	8 00	
Valley.....per 100	4 00	
Violets.....per 100	40@ 60	
Sweet Peas.....per 100	25@ 75	
Asparagus Sprenger.....per 100	2 00@ 3 00	
Asparagus Plumosus, per bu.,	35@ 60	
Ferns, New, Fancy.....per 1000,	1 75	
Galax.....per 1000,	1 25	

New York.

EASTER TRADE GOOD.

Easter business was good, the retail florists being well patronized by both the wealthy and the great middle classes. Saturday, March 22, and Easter Sunday were clear and bracing, high winds being the only weather drawback. March 21 was uncomfortably warm and March 20 brought a continuous downpour of rain. These two days of bad weather were probably, to some extent, the cause of much poor cut flower stock being on the market. Several of the oldest wholesalers have told us that in all their years of experience they never received so much soft and mushy stock in so short a time. This, coupled with an immense supply, made business rather unsatisfactory to the wholesalers. There was also an immense stock of plants in the retail stores and it was but natural that they should be pushed. It seems useless to write about the futility of holding back stock for Easter, or any other day for that matter, for it seems that some growers can never be broken of that habit. From the long spell of warm and dark weather we have had the stock was too soft at the best, and holding it back was merely piling on the agony. We would not try to guess how many thousands or hundreds of thousands of violets that were worthless there were in the wholesale district on Easter morning, but the sum total would make large figures. To be reasonable, we will not say that this was altogether caused by holding back, for the weather had been very unfavorable for violets. There were also quantities of poor roses and carnations. For good stock of all kinds we would say that the prices realized were very fair, considering the great amount of various kinds on the market. Nearly everything fell down in wholesale prices by Saturday afternoon but orchids, gardenias, cut lilies and lily of the valley kept up very well, there being a good demand for all these stocks. *Cattleya gigas* wholesaled for \$1.00 each, *C. trianae* 75 cents each and *C. Schroederi* for 40 cents each. Good lily of the valley brought \$4.00 a hundred, cut lilies from 10 to 15 cents a flower, gardenias \$2.00 to \$4.00 a dozen, there being a great variance in quality. There may have been a few white carnations sold at the rate of \$8.00 a hundred but \$6.00 for white, \$5.00 for *Enchantress* and \$4.00 for reds were the prevailing prices while the demand continued. These prices are quoted on good stock. There were carnations that sold as low as \$1.00 a hundred. But little rose stock went above \$12.00 a hundred and an immense quantity went for much less, the inferior grades of roses being in surplus. Some good single violets wholesaled for \$1.00 and \$1.25 a hundred but 75 cents was a good price for double stock. *American Beauty* roses that started at 70 and 75 cents each could be bought on Saturday for 40 cents. All that has been recited is something for which the buying public is not responsible; the people bought freely but nobody can be compelled to buy cut flowers if they prefer a plant, and there was a surplus of cut flowers.

Monday, March 24.—The market is very quiet this morning as usually occurs after a great holiday. Although it was expected that arrivals would be light there is sufficient stock to supply all demands. Roses and carnations move slowly and the market is glutted with worthless violets. The day opens warm which, if continued, will bring in a surplus of stock.

NOTES.

Misfortune has fallen heavily on Lyndhurst, the estate of Mrs. Helen

Gould Shepard, since her marriage. A week ago we recorded the death of Superintendent Robbie. On March 19 Martin Connelly, who on the previous day had celebrated his forty-second year on the estate, fell from a ladder while pruning a wistaria vine, and died from his neck being broken. Mr. Connelly was first hired by Jay Gould, Mrs. Shepard's father. He was 65 years old.

Woodrow & Markatos, 41 West Twenty-eighth street, had a large stock of fine plants and sold out well. As is customary at Easter, the Department of Parks gave permission for the sale of plants in Union Square and many availed themselves of the opportunity. It is expected that in about a week the north side of Union Square will be opened as a permanent plant and flower market during the season when outdoor business can be done.

Aside from the great plant trade in the retail stores, many plants were sold at other points in the city. There are two plant stores in the wholesale district and both had good business. William Kessler, 113 West 28th street had a fine stock of plants and was practically sold out. His stock of *Crimson Rambler* roses was particularly fine. Elsewhere, good *Crimson Ramblers* were not leading features.

Again we have President Pierson. At the town election, March 18, F. R. Pierson was elected president of Tarrytown, N. Y. Fifteen thousand dollars was also voted for a public park and dock. It is stated that the women of Tarrytown were much in favor of this appropriation and that more than 150 of them voted. We surmise that they were also in favor of President Pierson.

Among the visitors of the past week were Paul Berkowitz, Sidney Bayersdorfer, and Martin Reukauf, all of H. Bayersdorfer & Co., Philadelphia, Pa. Their mission here was to engage space for the show. Other visitors were President Farquhar of the S. A. F., from Boston, Mass., Ed. Kirk and A. E. Hatcher of Bar Harbor, Maine; Adolph Farenwald, Roslyn, Pa.

A feature of the Easter trade in the Cut Flower Exchange were fine *Cecil Bruner* roses from the range of Mrs. Chas. Schneider, Woodside, L. I. Philip F. Kessler of the Exchange had a fine stock of lilies, tulips and sweet peas and sold out well.

J. H. Small & Sons will decorate for the wedding of Miss Ethel C. Roosevelt, daughter of ex-President and Mrs. Roosevelt, who will be married on April 4 in the Episcopal church of Oyster Bay, to Dr. Richard Derby of this city.

C. B. Knickman of McHutchison & Co. returned during the past week from an extended southern trip. He just took time to look around a little then repacked his grip and was off again.

G. Myer, Madison Avenue and Fifty-eighth street, reports a fine Easter trade. He was well stocked with plants, having taken additional space in a large vacant store near at hand.

Frank D. Hunter, formerly in the flower business in this city, is now conducting a seed store for J. F. Noll & Co. of Newark, N. J., in the Hudson Terminal Building, this city.

Many of the retail florists secured vacant stores wherever one could be had within reasonable distance. Alexander McConnell had another large store filled with fine plants.

Charles A. Dards, who owns the building in which his store is located, used several rooms on the upper floors for wrapping and storing plants.

Mrs. James Hart, wife of James Hart, Jr., died on March 14, aged 22 years.

A. F. F.

Detroit.

TRADE HURT BY STORM.

Easter trade this year will long be remembered by the growers and dealers alike because of the trying conditions that surrounded it. The early date of the event alarmed the growers, who feared for the proper development of Easter lilies, azaleas and other stock and started early to push it along, but before the end of the Lenten season unusually warm weather prevailed to such an extent that much of the Easter stock was prematurely prepared, rendering it difficult to market and less attractive to buyers. To add to the troubled situation a violent gale visited the city Thursday night before Easter and continued until Saturday morning, causing the greenhouse men much alarm and emergency work replacing glass destroyed and blown out and to a considerable extent curtailing the cut of some items in the cut-flower list. Unfortunately the sweet pea crop was hard hit. Many big cuts were sold in advance and the storm added disappointment to the retailers as well as loss to the growers. The weather deterred buyers from visiting the stores the whole of Friday, making the sales on that important day fall far below the normal. Saturday, however, brought an army of buyers and taxed the dealers' facilities to the extreme. Much of the loss of previous days could have been made up if it had been at all possible to handle it. The weather that day was clear and crisp and not cold enough to require heated delivery wagons and machines and the call for all varieties of plants and flowers continued until nearly midnight. Lilies were plainly the most popular of the plants and cut azaleas had a great call. Bulbous flowers of all kinds in the lower priced items sold well. *Spireas* too were very popular and many *rhododendrons* were disposed of to those seeking the more expensive articles. *Baby ramblers* were fine in most of the stores and met with a good demand, while ferns and palms moved slowly. Made up plant baskets did not seem to be the factor they sometimes are on similar occasions, though some nice effects were seen in some of the stores and sold very well. In cut flowers the market was well supplied with everything seasonable except sweet peas, of which many more could have been sold. Violets sold well and were quite as popular as a year ago, when all the local dealers sold out and ran far short of the call. *American Beauty* roses were little called for and but few were on the market. Other roses were fine and a fairly good call was made for them, but high prices were not popular on these. Carnations sold well and much good stock was on the market. There was a greater quantity of poorer stock, however, that moved slowly and some of it not at all. This was particularly true of the light shade of pink, the white selling far better, while the darker colored varieties seemed the most popular. Lily of the valley was used in great quantities and the stock was good. The more expensive corsage bouquets used many gardenias and orchids. Notwithstanding some of the disadvantages of the early Easter, many think it will prolong the spring plant-buying season to the benefit of both grower and retailer.

NOTES.

Eugene Dailedouze, Brooklyn, N. Y., visited here last week for the special purpose of seeing the new pink carnation *Philadelphia* growing at the establishment of the originator, Thos. Browne, Greenfield, Mich., and being pleased with the superior qualities of the variety left a large order with the disseminators, S. S. Skidelsky & Co., Philadelphia, Pa. Mr. Browne brought two thousand blooms of this variety to

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J. LICHTENBERGER

1564 AVENUE "A"
NEW YORK

Gold, Silver and Purple Letters well gummed to put on ribbons, used on floral work. Gold and Purple SCRIPTS. Best and cheapest on the market. Write for samples and reduced prices.

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NEW YORK

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OFFICIAL
S. A. F.

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S. S. Pennock-Meehan Co.

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.



FOR CUT FLOWERS: in two colors on gummed paper: your card, etc., in black and leaf adopted by the S. A. F. in red. Price per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

the market for Easter Saturday and all were readily sold at fancy prices.

John Carey, Mt. Clemens, who is now supplying this market with the finest sweet peas of the season, suffered considerable loss by the storm of Friday, March 21, which made the picking of the flowers in the houses with broken glass falling, a hazardous job which had to be abandoned.

Norman Sullivan of the Woodward Flower Shop, is enthusiastic over the highly successful Easter trade he enjoyed. His greenhouse, 20x85 feet, connected with his store, afforded him a splendid opportunity to display a large and attractive stock.

A. Pochelon, the indefatigable secretary of the Florists' Telegraph Delivery Association, is exultant over the development of the system and received a great many Easter orders through it.

Michael Bloy, who now has such a big retail business that he has little to offer to the trade, reports having a great rush that used up all Easter stock.

Gust H. Taepke was another who reported a heavy loss by broken glass, but was fortunate in saving his Easter stock without much injury.

Chas. Plumb did a big plant business at wholesale but lost much trade because of his telephone being out of order for two days.

A. J. Stahelin's moveable houses stood the storm in good shape and his crop of carnations was heavy.

John Krumholz was another victim of the storm's rage, having the entire roof of one house blown off.

Fred Breitmeyer had a heavy cut of roses for Easter and his carnations, too, were fine.

Robt. Klagge sent 30,000 lilies of the valley to the market, all of which sold readily.

Leo. Mallast, Mt. Clemens, had a big cut of white snapdragon that sold well. J. F. S.

Boston.

FINE EASTER TRADE.

With a rainy day, Friday, many of the growers and retailers feared for Easter. Friday night saw a change to lower temperature, and Saturday morning a bracing west wind with clear skies, which indicated a beautiful day Sunday. Trade in everything was good. The wholesalers' long distance orders were out Friday morning and some even Thursday night. They did a great business. Both markets did a fine trade. Everything that came to our notice was good fresh stock—a

Paul Meconi

Wholesale Florist

55-57 West 26th Street
NEW YORK CITY

Telephone: 3864 Madison Square

Wholesale Flower Markets

NEW YORK, March 26.		Per 100
Roses, Beauty, special.....	40 00@30 00	
" extra and fancy.....	25 00@35 00	
" No. 1 and No. 2.....	2 00@12 00	
" Bride, Bridesmaid special.....	5 00@ 8 00	
" extra and fancy.....	3 00@ 4 00	
" No. 1 and No. 2.....	1 00@ 2 00	
" Killarney, My Maryland.....		
" special.....	8 00@10 00	
" extra.....	4 00@ 6 00	
" No. 1 and No. 2.....	1 00@ 3 00	
" Queen special.....	10 00@12 00	
" Red, special.....	10 00@12 00	
" Hillingdon, Aaron Ward.....	8 00@10 00	
" Richmond.....	8 00@12 00	
" Sunburst, special.....	6 00@15 00	
" Taft, special.....	12 00@15 00	
" Mrs. Geo. Shawyer, special.....	15 00@20 00	
Carnations.....	1 00@ 3 00	
Jonquils.....	1 00@ 1 50	
Cattleyas.....	25 00@40 00	
Gardenias.....	10 00@30 00	
Tulips.....	1 00@ 1 50	
Lilies, Longiflorum and Harrisii.....	8 00@10 00	
L. Rubrum.....	10 00	
Lily of the Valley.....	1 00@ 3 00	
Sweet Peas, per doz, bunches.....	50@1 00	
Violets.....	20@ 35	
Adiantum Croweanum.....	15@ 50	
Asparagus Plumosus, doz, bchs.....	1 50@ 3 00	
Smilax.....per doz, strings.....	1 00@ 1 25	
Lilac.....per bunch.....	25@75c	

decided improvement over some of the stock of previous seasons. Everyone with whom we came in contact was pleased with the trade. There was a good out of town call for Easter lilies.

NOTES.

The types mixed our notes of last week. They gave Wm. Elliot first on Killarney roses. That honor should be changed to the Waban Rose Conservatories. We always like to see everyone get what they have a right to, and that vase in particular was well worth it. From remarks we heard at the show by prominent men the roses ought to have received a special prize. Taking the stems, foliage, size and color of blooms, we never saw their equal, but the judges did not have it in their power to award anything higher. Mr. Elliot received second prize. Jake Cohen tells me he has a list of 20 good prizes for the coming show of the Boston Cooperative Flower Market, April 12.

H. A. Robinson & Co. have leased the basement under the new flower market on Otis street. This brings all the wholesalers except the Boston Rose Co. in what might be termed the flower district. Mr. Robinson's lease was signed Friday, March 21.

Thos. F. Galvin had some well grown bougainvilleas in his Tremont street store.

Thos. Roland and Wm. Riggs cleaned up on Easter plants. MAC.



HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St., NEW YORK.

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WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere. Prompt and satisfactory. Consignments solicited.

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Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Geo. C. Siebrecht

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109 West 28th St., NEW YORK

Tel. 608 and 609 Madison Square

CONSIGNMENTS SOLICITED

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A. J. GUTTMAN, President.

Wholesale Florists

Removed to 102 W. 28th St., New York

Phone 1912 and 7983 Madison Square.

18 Years Experience.

High-class Merchandise Requires
**Dennison
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Mfg. Co.**

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Boston New York Philadelphia
Chicago St. Louis

FREE

This Budding Knife



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employees. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employees) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,
440 So. Dearborn Street, CHICAGO.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

DULUTH, MINN. 2 STORES 2 SUPERIOR, WIS. J. J. LEBORIUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave., Phone 6800 01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.
Greenhouses: Short Hills, N. J.
—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Terre Haute, Ind:

John G. Heiml & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

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Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

April 1.
FROM PORTLAND, Pretorian, Allan.
New Amsterdam, Holland-America, 10 a. m.
Kronprinzessin Cecilie, North Ger. Lloyd, 10 a. m.

April 2.
Mauretania, Cunard.
FROM BALTIMORE, Neckar, North Ger. Lloyd.
Marnenibo, Red "D," noon.

April 3.
FROM ST. JOHN, Corinthian, Allan.
La Touraine, French.
Celtic, White Star, 12 noon.
Patricia, Ham.-Amer., 8 a. m.
C. F. Tietgen, Scand.-Amer., 2 p. m.

April 4.
FROM ST. JOHN, Empress of Ireland, Can. Pacif., 12 noon.
St. Louis, American, 10 a. m., Pier 62, North River.
Maracas, Trinidad.

April 5.
FROM ST. JOHN, Tunisian, Allan.
Cameronia, Anchor, 9 a. m., Pier 64 North River.

Ivernia, Cunard.
FROM PORTLAND, Ausonia, Cunard.
Rochambeau, French.
FROM PHILADELPHIA, Haverford, American, 10 a. m.
Lapland, Red Star, 10 a. m., Pier 61, North River.
Oceanic, White Star, 12 noon.
FROM BOSTON, Celtic, White Star, 10 a. m.
FROM PORTLAND, Domluon, White Star Dom., 10 a. m.
Hamburg, Ham.-Amer., 9 a. m.
Kursk, Russian-American, 2 p. m.
Byron, Lampport & Holt, 2 p. m.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

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Western Union Code.

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HAISCH'S

Madison and Main Streets

L. D. Phone 726

All orders will be filled carefully and promptly delivered in Memphis and all other Tennessee cities.

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Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Mention the American Florist when writing

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE FLORIST

Connecticut Avenue and L Street

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.
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St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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WILLIAM L. ROCK Flower Co.

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.
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W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

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LA CROSSE FLORAL CO.

BOTH PHONES No. 40
LONG DISTANCE No. 40

Careful Attention To All Orders.

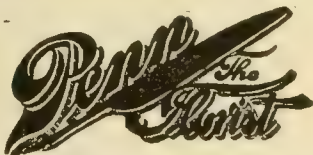
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Atlanta Floral Co.

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"Penn, The Telegraph Florist"

Member of Florists' Telegraph
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Omaha, Neb.

Hess & Swoboda

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1501 and L 1582

Name Index to Retail Florists
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Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Carbone, Philip L., Boston.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Haisch's, Memphis, Tenn.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthewson, J. E., Sheboygan, Wis.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McClunie, Geo. G., Hartford, Conn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Ostertag Bros., St. Louis.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pellicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Phillips Bros., Newark, N. J.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Wills & Segar, London, England.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

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Corner Broadway and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

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M. C. Rowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

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—FLORISTS—

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Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

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A. W. Smith Co.

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Largest Floral Establishment in America.

Established 1874. Incorporated 1909.

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FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE

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Cor. St. Catherine and Gay Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

FLOWER COLORS

Use our Color Chart in describing them.

PRICE, \$1.00, POSTPAID.

AMERICAN FLORIST CO.

440 South Dearborn Street, CHICAGO

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Send flower orders for delivery in

**Boston and all
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To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

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Albany, N. Y.—Eyes, 11 N. Pearl St.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Penn, the Florist, 43 Bromfield St.
Boston—Philip L. Carbone.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Brettmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Hartford, Conn.—Geo. G. McClunie.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City.—Geo. M. Kellogg, F. & P. Co.
Kansas City.—Samuel Murray.
Kansas City.—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles.—Wolfskill Bros. & M. Goldenson.
Memphis, Tenn.—Halsch's.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Gony Bros.
Newark, N. J.—Begerow's.
Newark, Ohio.—Chas. A. Duerr.
Newark, N. J.—Phillips Bros.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
Sheboygan, Wis.—J. E. Matthewson.
St. Louis, Mo.—Ostertag Bros.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Heini & Son.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
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Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones:

1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in

NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.

Jefferson and Washington Ave.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on telegraphic order.

11 NORTH PEARL STREET

Toronto, Can.

Canada's best known and most reliable florist

**Only
the
Best
Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Michigan.

Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of
GEORGE ASMUS, Mgr

Wire, Write or Phone West 822

Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 3189
Members Florists' Telegraph Delivery.

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Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Mention the American Florist when writing

Little Rock, Ark.

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PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heini)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

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MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

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NEW YORK

No. 22 West 59th Street

Adjoining Plaza Hotel

Boston, Mass.

Philip L. Carbone

IMPORTER

Florist and Decorator

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

PHILIPS BROS, 938 Broad St.

NEWARK N. J.

Artistic Floral Work and Long Stem
Beauties Our Specialty.

Hartford, Conn.

GEORGE G. McCLUNIE

187 Main Street

'FLOWERS' Your Orders Solicited

My Only Store. Phone Charter 6535-2

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Columbus, O.

ROSES IN GOOD CROP.

After a week of changeable weather the conditions are much better. Carnations are in good crop, although many more might be cut. For the past two weeks funeral work has been heavy, using up all surplus stock. Roses were in good crop for Easter, the heaviest cutting being made from the White Killarneys. Mrs. Aaron Wards, which have been dormant since Christmas, are coming in fine shape. Some very fine sweet peas are seen on the market and sell readily. Lily of the valley is moving briskly. Bulbous stock for Easter came in large quantities and was of high quality. The only shortage seemed to be in lilies. Snapdragons are still seen, but paper white narcissi are gone.

NOTES.

One night last week some one entered the store of the Wilson Seed Co. and worked the combination of the safe, securing nearly \$200. A bag of change lying hidden on a shelf nearby was also taken.

The Columbus Floral Co., which had been selling its stock from the greenhouse has leased a store at 173 East Town street and wholesale orders will be filled from that place.

The Art Floral Co. had its usual big run of orders. Mr. Graff says it was hard to keep up the display on account of stock selling so rapidly.

Wm. Brust was busy with Easter orders. He introduced some novelties.

C. E. Stone says Easter was a rush day for him, his business being double that of last year. L. S. B.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave.

Kansas City and Pleasant Hill, Mo. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gift, that may be entrusted to them

Louisville, Ky.

F. Walker & Co.,
FLORISTS

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

Mention the American Florist when writing

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838—CANAL ST.

Mention the American Florist when writing

Washington, D. C.

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14th and H. Street.

Mention the American Florist when writing

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.

Mention the American Florist when writing

For Wisconsin Delivery

—OF—

"HOME GROWN FLOWERS"

Get in touch with

J. E. Matthewson
SHEBOYGAN, WISCONSIN

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Choice Plants

Large Supply of Fine Decorative Plants, Palms and Table Ferns.
Send all orders direct to plant department.



Ficus Pandurata, strong, 6-inch \$3.50 each

Ficus Elastica, strong, 6-inch 75c to \$1.00 each

Dracaena Massangeana, well colored, 6-inch, \$1.00 to \$1.75 each

Pandanus Veitchii, highly colored, 5-in., \$1.00 each;
6-in., \$1.50 each; 7-in., \$2.50 each

Palms

Kentia Forsteriana and Belmoreana, all sizes from 4 to 12-inch
tubs in fine condition. Fine decorative stock ranging in price from
35c to \$15.00 per plant.

Table Ferns--10 Varieties

2¼-in. pots, \$3 50 per 100; \$30.00 per 1000.

3-in., strong, \$6.00 per 100; \$55.00 per 1000

Pansies

Strong transplanted seedlings for early blooming,
choice strain, \$5.00 per 1000

POEHLMANN BROTHERS CO.
MORTON GROVE Plant Department **ILLINOIS**



OUR NEW SCARLET CARNATION

THE HERALD

The only Scarlet to win First Prize best 100 Scarlet: Cincinnati, November 1911; St. Paul, November, 1912 and Cleveland, November, 1912. Rooted Cuttings ready now.

\$12.00 per 100; \$100.00 per 1000.

Other varieties also ready for Immediate Delivery:

	100	1000		100	1000		100	1000
Gloriosa, medium pink.	\$4.00	\$35.00	Enchantress	\$3.00	\$25.00	Scarlet Glow	\$3.00	\$25.00
Benora, variegated.	6.00	50.00	White Enchantress	3.00	25.00	Washington	3.00	25.00
Princess Charming	3.00	25.00	Victory	3.00	25.00	Rose Pink Enchantress	3.00	25.00
			Beacon	3.00	25.00	May Day, deep flesh	3.00	25.00

Very low prices on large lots.

JANUARY CUTTINGS FROM SOIL. Strong healthy plants in the following varieties at \$30.00 per 1000:

Enchantress, White Enchantress, Rose Pink Enchantress, Beacon and Victory.

CHICAGO CARNATION COMPANY, A. T. PYFER, Mgr. 30 E. Randolph St., CHICAGO, ILL.

F. F. SCHEEL

SHERMERVILLE, ILL.

Wholesale Growers of Cut Flowers, Pot
Plants and Nursery Stock

ENCHANTRESS

Carnation Cuttings

Well rooted; from strong, healthy
stock. None better. Guaranteed.

\$2.00 per 100; \$18.00 per 1000.

P. A. LYON, Milton, N. Y.

ROOTED CUTTINGS.

	Per 100.	Per 100
Verbenas	\$0.70	\$ 6.00
Ageratums	.60	5.00
Heliotrope, Daisies, Salvias	1.00	8.00
Feverfew, Petunias	1.25	10.00
Coleus	.70	6.00
Alyssum, Double	1.00	8.00
Cash with orders. Express Paid.		Write

S. D. Brant, Clay Center, Kans.

The National Flower Show Special Number

Will be Issued April 10.

Mail Your Advertisements Now

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C.E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

PACIFIC COAST dealers complain of dull business.

ONION SET prices at Chicago are a littler firmer. Reds and Yellows scarcer.

BEANS of kinds used in the south will be very scarce and dear for September delivery.

TUBEROSE growers are asking and in most cases, for reliable stock, are securing marked advances over last season's prices.

VISITED CHICAGO: Albert McCullough, Cincinnati, O.; Ant. C. Zvolanek, Lompoc, Calif., enroute to the National Flower Show at New York.

THE Department of Agriculture usual seed appropriation bill was approved March 4 and preliminary contracts already made will stand.

SWEET CORN prices have declined materially since December. Some seedsmen seem to be offering the same in some varieties at nearly contract cost.

California seed growers are despondent over lack of rain. The present outlook is for only about eight inches this season while a normal season requires 12 inches to make a reasonable crop. The outlook for sweet pea, radish and onion seed is not good.

NEWARK, N. J.—J. F. Noll & Co. report good business. Alexander Forbes, formerly with the Peter Henderson Co., New York, now controls this business. This firm has opened another store in the Hudson Terminal building, Cortlandt and Church streets, New York.

Seed and Weight Bills Pending.

The legislative committee of the American Seed Trade Association calls attention to the following very important bills pending in different states and urges that seedsmen for their own interests in all of these states secure copies of the bills, give special attention to the same and report progress to Curtis Nye Smith, 19 Congress street, Boston, Mass.:

United States Senate.—(Greuna Bill) S. 8382.
Arkansas.—H. 47.
California.—S. 786, S. 990, A. 848.
Colorado.—H. 25, 87, 440, 441, S. 339.
Connecticut.—H. 466.
Idaho.—H. 144, S. 66.
Indiana.—H. 80, S. 265.
Iowa.—H. 33, S. 45.
Kansas.—S. 244, H. 467, H. 309.
Maine.—H. 201.
Massachusetts.—H. 853, 64, 474, 175, 1497.
Michigan.—H. 6.
Minnesota.—H. 95, 691, 430; S. 120, 55, 261.
Missouri.—H. 29, 326, 361, (also committee substitute bill for all three) S. 188.
Montana.—H. 245, 172; S. 23, 180, 106.
Nebraska.—S. 187.
New Hampshire.—A. 270.
North Carolina.—H. 190.
North Dakota.—H. 88; S. 31.
Ohio.—H. 415, 54, 164, 216, 363.
Oklahoma.—S. 106; H. 443.
Oregon.—H. 249, 129; S. 36.
Pennsylvania.—H. 244.
South Carolina.—H. 282; S. 214, 212.
South Dakota.—H. 52, 160, 111, 242; S. 118, S. 99.
Tennessee.—H. 247, 248, 249; S. 152, 182, 207.
Texas.—H. 375.
Utah.—H. 129.
Washington.—S. 362, 61.
West Virginia.—H. 32, 89, 103, 360.
Wyoming.—H. 109.

French Bulbs.

As the time approaches for the meeting of the French bulb growers in April for fixing the selling price of their crops, the interest of the jobbing trade increases. The meagre reports so far received have been bearish, at first on the basis of small sized planting stock and later because of continued drought. Taken all in all most dealers are coming to the expectation of pretty stiff prices on the large sizes and some advance on Roman hyacinths.

Nebraska Tornado.

Waterloo, Neb., March 24.—A tornado passed about three-quarters of a mile west of this place about 5 o'clock



The Late Francis Brill.

See Obituary Elsewhere in This Issue.

yesterday afternoon doing considerable damage. The buildings on a farm belonging to the J. C. Robinson Seed Co. were destroyed and slight damage done to two other places belonging to the same company. Several people were injured but no lives lost so far as is known at this writing.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited

BRASLAN SEED GROWERS COMPANY, INC.

ONION, LETTUCE, CARROT and RADISH SEED

San Jose, California

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers

SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS

The four-story warehouse of the Waldron Seed Co. burned Tuesday morning, March 19, entailing a loss of \$75,000, insurance about \$60,000. None of the other warehouses in town were in particular danger from this fire, which was quite spectacular.

R. & M. GODINEAU, SEED GROWERS,

Angers - France.

Specialties: Beets, Mangoes, Carrots, Cabbages, Celeries, Parsleys, Parsnips, Turnips.

Growing Crops Given Personal Attention.

Mention the American Florist when writing

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Mention the American Florist when writing

New Zealand Grown Garden Peas

Surplus Offer of

Gradus Crop 1912

in original sacks of 3-5 bus. net. Price \$6.75 per bu. of 60 lbs. f.o.b. New York. Terms: Net Cash. We are also quoting prices on other New Zealand Peas, crop 1913—which is at present harvested—and are booking contract order of 1914. Write for particulars.

Loechner & Co.

11 WARREN ST., NEW YORK
Sole Agents for

F. COOPER, Ltd., Wellington, N. Z.

Mention the American Florist when writing

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,

Grand Rapids, Mich.

SURPLUS SEED

FIRST CLASS STOCK
AT BARGAIN PRICES

Sweet Peas, Standard and Spencers;
Nasturiums, tall and dwarf mixed;
Cabbage, French grown Early
Winningstadt; Oxheart Carrot,
French grown; Lettuce, 5 varieties;
Onions, 8 varieties; Radishes,
7 varieties.

TOMPKINS & CO., Inc.
LOS ANGELES, CAL.



H. WREDE
LUNEBURG, GERMANY
PANSY SEED

180 First Prizes, the highest
awards Chicago, Paris, London,
Bruxelles.

1000 seeds, finest mixed... 25c
1 oz. . . \$2.25

Price list on application. Cash with order

DAMMANN & CO.,

Seed Merchants to His Majesty the King of Italy
SAN GIOVANNI A TEDESCO, near Naples

Headquarters for **CAULIFLOWER** and **WHITE**
TRIPOLI ONION SEED, (Crystal Wax), and
all other **VEGETABLE** and **FLOWER SEEDS**
THE LARGEST GROWERS IN ITALY.

Established 1877.

Wholesale Catalogue in English, (containing also
all Italian specialties). Special Offers and
Italian Catalogue on application.

Western Seed & Irrigation Co.

Wholesale Seed Growers and Dealers

SPECIALTIES:

Sweet, Flint and Dent Corn; Cucumber,
Musk and Watermelon; Pumpkin and
Squash.

FREMONT : NEBRASKA

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

FRANZEN'S SEEDS

SURE TO GROW

Asters, Queen of the Market.....oz. \$0.50
Ageratum, Blue...oz. \$0.60. Snapdragon. .75
Alyssum, Little Gem .30
Lobelia, Emperor William, Blue..... .75
Pansy, Giant Strain..... 1.25
Petunia, Superfine Mixed..... .75
Phlox, Drumundii Mixed..... .55
Stock, Ten Week Double..... 1.00
Verbena Hybrida, Mixed..... .55
F. O. FRANZEN, 1476 Summerdale Av., Chicago
Send for trade list.

CONTRACT SEED GROWERS

Pepper, Asparagus, Tomato, Musk and
Water Melon. For sale: Asparagus,
Horse Radish and Rhubarb Roots.
Correspondence Solicited.

J. E. Hoopes & Co.

P. O. Box 38 MUSCATINE, IA.

Henry Fish Seed Co.
Bean Growers

For the Wholesale Seed Trade.

CARPENTERIA, CALIF.

Lawn Grass

BULK

CASES

OUR STANDARD MIXTURES,

Dickinson
Evergreen

Greensward
Pine Tree

are high grade and should meet all general requirements.
Special mixtures furnished if desired. We also carry a
full line of fancy domestic and imported grasses.

The Albert Dickinson Co.

Minneapolis, Minn.

Chicago, Ill.

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Mention the American Florist when writing

RATEKIN'S SEED CORN

**OLDEST ESTABLISHED AND LARGEST WHOLESALE AND CONTRACT SEED CORN
GROWERS IN THE UNITED STATES:** Have made this our specialty for over thirty years. We
grow all the leading standard, best varieties of field Dent, Flint, and Sweet sugar corn, for the
Wholesale Trade. Write or wire us for prices and quotations for immediate or future shipments,
also for contract growing prices for 1914 delivery; stating probable quantities of different varie-
ties, etc., etc.

RATEKIN'S SEED HOUSE, Shenandoah, Iowa

Mention the American Florist when writing

LAWN GRASS SEED

WHOLESALE ONLY

J. OLIVER JOHNSON

1874-76 Milwaukee Avenue

CHICAGO, ILL.

Mention the American Florist when writing

Onion Seeds--Onion Sets We are Extensive Growers and Dealers
Write for prices on the 1912 crop.

We are also submitting contract figures
for the 1913 crop of Onion Seed.

SCHILDER BROS., Chillicothe, O.

Mention the American Florist when writing

THE C. HERBERT COY SEED CO.
VALLEY, Douglas County, Neb.

Contract Growers of
High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin.
Sweet, Flint and Dent Seed Corn

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.



TUBEROSES

True Dwarf Pearl.	Per 1000
First Size, 4-6-inch	\$ 9.00
Medium, 3-4-inch	4.50
Mammoth, 6-8 inch	13.00

CALADIUMS (Esculentum)

5 to 7-inch	\$15.00
7 to 9-inch	30.00
9 to 11-inch	55.00

GLADIOLUS

Mrs. Francis King , medium size	\$15.00
Augusta , first size	16.00
medium size	13.00

America , first size	(3,000 for \$66.00)	25.00
medium size, while unsold		20.00
Kunderdi Glory , first size		40.00
Chicago White , the one best early		50.00



Tuberous Rooted Begonias

	Per Doz.	100	1000
Single Sorts, white, scarlet, yellow, pink	\$.40	\$2.50	\$22.00
Single Sorts, mixed	.35	2.25	20.00
Double Sorts, white, scarlet, yellow, pink	.65	4.50	40.00
Double Sorts, mixed	.60	4.00	37.50

GLOXINIAS

Grassifolia Grandiflora

All the spotted and Tigered variations in sound bulbs.	Doz.	100
Separate colors	\$.60	\$3.50
Choice mixture	.50	3.20

LILY BULBS

	Per 100
Album , 9-11 inch	12.50
Auratum , 9-11 inch	10.00
Rubrum , 8-9 inch	6.00
Rubrum , 9-11 inch	9.00

VAUGHAN'S SEED STORE

GREENHOUSES AND NURSERY, WESTERN SPRINGS, ILL.

CHICAGO
NEW YORK

Tuberose

DWARF DOUBLE PEARL

\$12.00 per 1000

Excellent Quality.

Lily of the Valley Pips

Cold Storage Berlin and Hamburg.

Per case of 1,000

Per case of 3,000

Write for a copy of our Florists' catalog.

J.M. Thorburn & Co

"THE MOST RELIABLE SEEDS."

33 Barclay St. (T12) New York, N. Y.

HAVE LOVELY SHELL-PINK CREGO ASTER SEED

½ oz., \$1.00; oz., \$2.00; 2 ozs., \$3.50

Sunshine Flower Gardens,
3365 East 139th Street, CLEVELAND, OHIO

SEEDS

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited
Boston. England

BAUER

Seed Germinator.

A simple, practical device for making accurate germination tests of seeds and grains.

Used and endorsed by

The U. S. Government and many
Agricultural Stations.

Price 35c each or \$3.60 per dozen

BAUER GERMINATOR CO.,

MANITOWOC, - - WISCONSIN

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BULBS! BULBS! BULBS!

Send for 1912 Catalog, and get your Bulbs
direct from grower (not merchant.)

Sole organizer of the magnificent Exhibition of
Flowering Bulbs at the Dutch Village, Ideal
Home Exhibition, Olympia, London 1912.

Grower of the Begonias, Hyacinths, Tulips
Narcissus etc., for the Gardens of the International
Peace Palace at the Hague.

M. J. GULDEMOND,

Wholesale Bulb Grower
and Exporter

Lisse, Holland.

Mention the American Florist when writing

VICK Quality VICK

Aster Seed

Aster Book Now Ready

Aster Book and Wholesale Catalogue of Best Quality Seeds for
Florists and Commercial Growers

James Vick's Sons
ROCHESTER, N. Y.

ROSES, CARNATIONS, PLANTS, SEED, BULBS.

Send us your wants. We will take care of them.
We supply stock at market price. Catalogue for
the asking.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA

SEEDS

Best that grow. We sell direct
to gardeners and florists at whole-
sale. Big, beautiful catalogue
free. Write today.

ARCHIAS SEED STORE, Box 98, Sedalia, Mo

Boddington's Quality GLOXINIAS

Gloxinia Erecta Grandiflora

This popular flowering plant is coming into greater vogue than ever, not only as a pot plant for house decoration, but also for cut flower purposes. Our strains of Gloxinias are the true erect-flowering type, grown by a specialist in Europe.

	Doz.	100	1,000
Blanche de Vera. White, rose-bordered	\$0.60	\$4.25	\$40.00
Defiance. Glittering crimson.....	.60	4.25	40.00
Emperor William. Blue, white border	.60	4.25	40.00
Etoile de Feu. Carmine-red.....	.60	4.25	40.00
Kaiser Frederick. Scarlet, white margin	.60	4.25	40.00
King of the Reds. Dark scarlet....	.60	4.25	40.00
Madame Helene. White, with violet crown	.60	4.25	40.00
Marquis de Peralto. White, red-bordered	.60	4.25	40.00

	Doz.	100	1,000
Mont Blanc. Snow-white.....	\$0.60	\$4.25	\$40.00
Prince Albert. Deep purple.....	.60	4.25	40.00
Princess Elizabeth. White, bordered blue	.60	4.25	40.00
Princess Mathilde. White, with rose crown	.60	4.25	40.00
Queen Wilhelmina. Dark rose....	.60	4.25	40.00
Boddington's Spotted Varieties. These contain the most distinct and remarkable colors.....	.60	4.25	40.00
All Colors Mixed.....	.50	3.75	35.00

Gloxinia Erecta Superbissima

Having during the past season been requested to secure some specially fine Gloxinias for exhibition purposes, we have made arrangements with a noted Gloxinia specialist in England to reserve for us some of the most distinct types. The bulbs are not so large as the Named Varieties, but this is a characteristic of most Erecta superbissima varieties.

BODDINGTON'S IDEAL PRIZE GIANT MIXED. Great variety of superb colors.

CYCLOPS. Velvety carmine, shading to a broad white border, throat dotted with dark red.

DUCHESS OF YORK. Flowers of a rich dark blue, each petal being edged with a broad band of white. A most striking and lovely variety.

SPOTTED HYBRIDS. Whenever exhibited, they create intense interest. The delicate markings, in an infinite variety of forms, add a special charm to the flowers.

SUTTON'S WHITE. A giant white flowered variety. **DUKE OF YORK.** Large scarlet Gloxinia with deep white edge to each petal. A magnificent flower.

HER MAJESTY. This exquisite Gloxinia is still unsurpassed by any other white variety. The flowers are as pure as newly fallen snow, and are borne on short stems, just clear of the elegantly recurved foliage.

READING SCARLET. In color this is the most brilliant Gloxinia in existence, being an intense glowing scarlet variety of the true Crassifolia habit. An admirable companion to Her Majesty.

GOLIATH. Violet and white, fine variety. Per doz. \$1.50; per 100, \$10.00.

Boddington's Quality Tuberous-Rooted BEGONIAS

Single-Flowering Tuberous Rooted

For planting in beds and where color effect is desired. Our stock of these bulbs will be found true to color and free from mixture.

Crimson	Rose White, Pure	Salmon	Scarlet	Yellow	Pink, Light	Copper	Orange
Large bulbs measuring 1 1/4 inches and upward, separate colors or all colors mixed, 35 cts. per doz., \$2.25 per 100, \$20.00 per 1,000; extra large bulbs, 1 1/2 inches and up, same colors as above, 40 cts. per doz., \$2.75 per 100, \$25.00 per 1,000.							

Double-Flowering Tuberous - Rooted.

These can be depended upon producing 100 per cent double flowers and contain very large and choice varieties.

Crimson	White, Pure	Yellow
Scarlet	Copper Bronze	Orange
Rose	Salmon	Light Pink
Large bulbs measuring 1 1/4 inches and upward, separate colors or all colors mixed, 50 cts. per doz., \$3.50 per 100, \$30.00 per 1,000; extra large bulbs, 1 1/2 inches and up, same colors as above, 65 cts. per doz., \$4.00 per 100, \$35.00 per 1,000.		

Single Crested Begonias

This strain of Begonias ranges in all colors—salmon, pink, white, yellow, copper and scarlet; petals carry on the upper side a crested-formed cockscomb. Separate colors, 80 cts. per doz., \$6.00 per 100; mixed, 75 cts. per doz., \$5.50 per 100.

Single Frilled Begonias

These are of the finest types of the single Begonia, the petals being heavily frilled on the edges. To color, 10 cts. each, 65 cts. per doz., \$5.00 per 100; all colors mixed, 60 cts. per doz., \$4.50 per 100, \$42.50 per 1,000.

Single Begonia Bertini

A beautiful bedding Begonia, brilliant vermilion flowers of rare beauty. As a bedder it stands unrivaled. 80 cts. per doz., \$6.00 per 100.

Double Begonias

	Doz.	100
Duke Zeppelin. Intense pure vermilion-scarlet	\$1.00	\$ 7.50
Lafayette. Rich, brilliant crimson scarlet	1.25	10.00

ARTHUR T. BODDINGTON

Seedsman

342 West 14th St., NEW YORK CITY

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

DANIELSON, CONN.—Franklin & Crosby have completed the erection of another large greenhouse.

WHILE the Mexican tomato crop suffered some damage from the big western freeze in January, the Mexican Herald states that the output in northern Sinaloa is about 500 carloads, or treble what it was a year ago. Shipments practically all go to the United States.

Potato Crop of Ireland

The area of the potato crop for all Ireland in 1912 was 595,184 acres, as against 591,259 acres in 1911, and the total production of the crop in 1912 is estimated at 2,546,710 tons, compared with 3,694,856 tons in 1911. The average yield of the crop in 1912 is estimated at 4.3 tons per statute acre, as against 6.2 tons in 1911 and 4.8 tons for the 10-year period 1902-1911. The province of Ulster produced 1,087,896 tons in 1912 and 1,787,136 tons in 1911, the average rate per statute acre being 4.4 tons in 1912 and 7.3 tons in 1911.

Wisconsin Potato Growers.

We are in receipt of the first annual report of the Wisconsin Potato Growers' Association, which was organized in Waupaca, November 14, 1910. The report contains the association's constitution and by-laws as well as a number of valuable articles on the potato, its production, diseases, seed, etc. The officers are: John Hess, Rhineland, president; A. J. Pinkerton, Waupaca, vice-president; Ben F. Faast, Eau Claire, treasurer; J. G. Milward, Madison, secretary.

Prices of Indoor Fruits and Vegetables.

Chicago, March 24.—Mushrooms, 20 cents to 60 cents per pound; lettuce, 10 cents to 15 cents, small cases; radishes, 15 cents to 50 cents per dozen bunches; pieplant, 25 cents to 50 cents per bunch; cucumbers, \$1.25 to \$2.75 per box of two dozen; asparagus, \$2.50 for 24 bunches.

New York, March 22.—Cucumbers, 75 cents to \$1.50 per dozen, and \$4 to \$5 per box; mushrooms, \$1 to \$2.50 per 4-pound basket; tomatoes, 10 cents to 15 cents per pound; radishes, \$1.50 to \$2.50 per 100 bunches; mint, 25 to 65 cents per dozen bunches; rhubarb, 30 cents to 60 cents per dozen bunches; lettuce, 25 cents to 50 cents per dozen; beet tops, 75 cents to \$1.00 per box.

Horseradish Webworm.

The horseradish webworm, a new and hitherto unrecorded truck crop pest, is made the subject of an article by H. O. Marsh, issued by the Department of Agriculture. It was first discovered at Rocky Ford, Colo. It is a beautiful, slender moth, the wings being cream-colored with a brownish

tinge and having an expanse of about $\frac{5}{8}$ of an inch. The eggs are scale-like and are usually deposited singly on the upper or lower sides of the leaves. The newly hatched larvæ are pale yellow. The mature larvæ are yellowish green. Almost immediately after hatching they spin webs, under which they feed until mature.

They prefer the tender young plants to feed on and their worst feature is the check which they give to the plant's first growth. There are four generations of the pest each year, activity beginning in March and lasting until October. In twenty-seven days in May the female has been known to lay 331 eggs. Only one natural enemy of the horseradish webworm is known. That is a small wasp-like insect which has been found to check the increase of the larvæ. No artificial insecticides have proved successful, but as the pest is believed to be limited to a few plants in one garden at Rocky Ford it is thought the natural enemy will prove sufficient.

Newark, N. J.

The business district of Newark, which will creditably compare with that of any city in this country, has quite a number of enterprising and up-to-date retail florists and they were all well prepared for Easter. The Broad street store of Phillips Brothers was found to be a very busy place on March 19. Wagon loads of plants were being delivered and the whole force was busy getting them ready for display. This firm has a fine business and its trade calls for good stock.

Fred. Wolfinger, assisted by the genial William Strahan, was busy with Easter preparations. At this store we noted fine plant combinations very tastefully arranged and decorated with suitable chiffons.

E. J. Reynolds, who spent some time in the West and was also for a time

in Washington, D. C., is back again with his former employer, Henry A. Strobell.

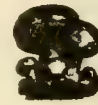
Percy Dickman, better known as "Dick," formerly with Henry A. Strobell, but later a soldier, has served his four years of enlistment and is back with his former employer. We found a good Easter stock at this store. There are now two stores in Newark conducted by members of the Strobell family but we do not know that they are connected in a business way. The firm of H. C. Strobell & Co. has a store at 783 Broad street, Henry A. Strobell being at 931 Broad street.

George Penck has a nursery and greenhouses at West Arlington, N. J., but also does considerable buying in the New York market for his store at 185 Market street. Pete Penck has a store at 6 Academy street and Chris. Penck is at 173 Market street.

A. C. Begerow's, 946 Broad street, is another good store that may well be called metropolitan, being conducted in a thoroughly modern manner.

John Crossley, 37 Bellville avenue, is a very practical florist and careful buyer. He is prospering rapidly.

A. F. F.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.

F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

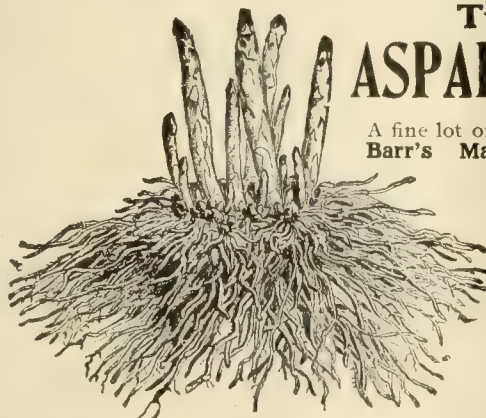
GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per $\frac{1}{4}$ oz., \$1 per $\frac{1}{8}$ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.



Asparagus Root.

Two-Year-Old ASPARAGUS ROOTS

A fine lot of strong, two-year-old roots, of Barr's Mammoth, Columbian Mammoth White, Conover's Colossal, Giant Argenteuil and Dreer's Eclipse, neatly put up in bundles of 25, 50c per 100; \$1 per 1000.

Special prices for lots of 5000 or more.

Henry A. Dreer, Inc.

714 Chestnut Street
PHILADELPHIA, PA.

The above prices are intended for the Trade only.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

MINNEAPOLIS, MINN.—A. M. Brand of Faribault talked on peonies at the March meeting of the Minnesota Garden Flower Society.

PORTLAND, ORE.—The campaign being conducted by the order of Royal Rosarians for funds for the rose festival is meeting with success and leaders in the work are much encouraged.

DANVILLE, N. Y.—The committee of nurserymen from this city and other centers of the trade has succeeded in having the bill imposing a fine of \$5 on every tree mislabeled withdrawn from further consideration by the legislature.

Lilacs.

We are just getting ready to graft a lot of lilacs, which reminds me that it is not too late to take up stocks for that purpose if you can get into the ground. Seedling stocks, suckers or even pieces of roots will answer, or if you do not wish to have them on their own roots, privet is the thing to use. Any style of graft will answer but we usually use a side or veneer graft.

The demand for lilacs seems to be greater than ever before and a good stock of the better and more distinct varieties should be provided. The varieties are legion, and if one looks over some of the large collections, of three or four hundred varieties, one is somewhat at a loss to know which to select. However, we have the satisfaction of knowing that "they are all good, only some are better than others." But one can cover the range of season of bloom, form and color with a comparatively small number. For a short list I would suggest the following: *Syringa Josikaea*, pale pinkish violet, late; *S. villosa*, pink in the bud, turning creamy white as it grows old; *S. oblata*, lilac-purple, the earliest to bloom; *S. Chinensis* or *Rothomagensis*, bright reddish lilac, very floriferous; *S. vulgaris*, in the following named varieties—*Marie Legrave* and *Frau Dammann*, single white; *Mme. Lemoine*, double white; *Lovaniensis*, single pinkish lilac; *Dr. Maillot* and *Mme. Jules Finger*, double pinkish lilac; *Ludwig Spaeth* and *Congo*, single red; *Chas. Joly*, double red; *Coerulea superba* and *Bleautre*, single blue; *Comtesse Horace de Choiseul*, double blue.

There is a great saving of time in propagating lilacs by graftage, as we make a flowering plant in three years, whereas by any other method it would take six. I did not include in the above list *Syringa japonica*, the Japanese tree lilac, the largest and latest of the genus. This is sometimes graft-

ed but I believe the general practice is to raise them from seed. C.

SIoux CITY, IA.—Rocklin & Lehman had a full page advertisement of flowers and plants for Easter in the Journal March 19.

High Class New England Quality

Herbaceous Perennials, Evergreens and Deciduous Trees, Shrubs, Roses and Vines at Wholesale and Retail. Catalogues upon request.

The New England Nurseries Co.

Dept. "T" BEDFORD, MASS.

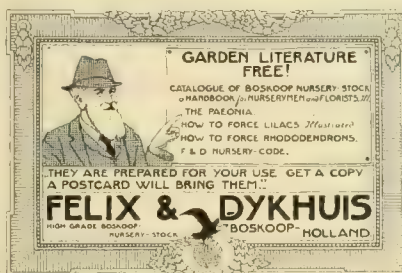
—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin N. J. Williamstown Junc., N. J.



ENGLISH MANETTI STOCKS.

A bargain, to close out surplus quick. Well rooted carefully regraded and everything under-sized or not up to strictly first quality discarded. It pays to buy regraded repacked stocks. We offer 3-5 m-m grade at \$12.00 per single thousand; five thousand or more at \$10.00 per thousand. 3-5 m-m grade \$8.00 per thousand; \$65.00 per ten thousand, to clean them up quick. Orders can be filled the same day we get them. Wire and say whether to ship by freight or express.

JACKSON & PERKINS CO., Newark, New York

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Spring Bulbs and Roots, Conifers, Pines.

English Ivy

4 ft. bushy, 4 inch pots.....\$15.00 per 100
4 and 5 ft. bushy, 4 1/2 inch pots 20.00 per 100

Good value for window effect.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad. :: ::

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

W. Van Kleef & Sons

Wholesale Growers of Nursery Stock

BOSKOOP, :: HOLLAND

BE to announce that their Mr. K. Van Kleef is again in America calling on the trade. Please ask our prices before placing your esteemed Import Orders elsewhere; they will certainly interest you.

Address all Correspondence Until June 1st

C. MALTUS & WARE, 14 Stone Street, NEW YORK
CATALOGUES FREE FOR THE ASKING.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Catalpa Bungei

Specimen trees with wide spreading tops
2 to 4 years and straight 7 ft. stems, 2 to 3-inch caliper.

Get our prices on all kinds of shade trees.
W. B. COLE, Avenue Nurseries,
Painesville, - - - - - Ohio.

Mention the American Florist when writing

Ipomea Noctiflorum

Our so well-known pure white, waxy
MOONVINE

Bearing flowers very fragrant
and as big as a saucer, 2 1/2-in. pots;
will make good stock for you to
propagate from. \$5.00 per 100.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Mention the American Florist when writing

Palms, the Selling Kinds



Kentia Belmoreana.

		KENTIA BELMOREANA.			
Leaves	Height		Each	Doz.	
4-inch	5-6	12-15 inches.....	Per 100 \$40.00		\$ 5.00
5-inch	5-6	18 inches.....		\$.75	8.00
6-inch	6	22-24 inches.....		1.50	17.00
6-inch	6-7	26-28 inches.....		2.00	
7-inch	6-7	28-30 inches.....		2.50	
7-inch	6-7	30-32 inches.....		3.00	
9-inch	6-7	42-46 inches.....		5.00	
10-inch	6-7	48-50 inches.....		8.00	

		KENTIA FORSTERIANA.			
Leaves	Height		Each	Doz.	
4-inch	5	15 inches.....	Per 100, \$40.00		\$5.00
5-inch	5-6	20 24 inches.....		.75	8.00
6 inch	5-6	30-32 inches.....		1.50	17.00
7-inch	6-7	36-40 inches.....		3.50	
8-inch	6-7	40-44 inches.....		4.00	
8 inch	6-7	44-48 inches.....		5.00	
8-inch	6-7	52-55 inches.....		6.00	

PHOENIX CANARIENSIS.

8-inch, 30-35 inches high..... Each, \$3.00

PHOENIX ROEBELINII.

6-in., 16-18 inches high... Each, \$1.75 7-in., 20-22 inches high... Each, \$2.50 11-in. tub, 28-30 inches high... Each, \$8.00

31-33 W. Randolph St., CHICAGO **Vaughan's Seed Store** 25 Barclay St., NEW YORK

GREENHOUSES AND NURSERIES, WESTERN SPRINGS, ILL.

LAST CALL 10,000

LIGHT PINK ENCHANTRESS Carnation Cuttings

Must Be Sold at Once
\$12.50 per 1000

While they last. Order now.

These cuttings are taken from stock grown by the best grower of the Enchantress variety of carnations in this vicinity and are big value at the price quoted. Send in your order now.

PERCY JONES

56 E. Randolph St., Chicago

Geraniums AND Coleus

Ricard and Poitevine, \$15.00 per 1000. S. A. Nutt, \$12.50 per 1000: next delivery about March 24. G. Bedder, Vers., and general assortment \$6.00 per 1000: ready almost any time.

Plumosus, just right for Easter pans, sample, 10 cents; 100, \$2.50.

Safe Delivery Guaranteed.

Albert M. Herr, Lancaster, Pa.

Ferns for Dishes

Best assorted varieties from 2 1/4 in. pots, 100, \$3.50; 1000, \$30.00. 500 at 1000 rate. Cash with order.

FRANK OELCHSLIN,

4911 West Quincy St. CHICAGO.

Select Stock for Spring

The best lot of stock in this line we have ever seen. Every live florist and landscape man can make good use of the following subjects, and we are sure there is no better quality in the country:

Azalea Mollis, 15 to 18-in., bushy and full of buds..... \$ 3.50 per 10, \$ 30.00 per 100
Ghent (Pontical). Named sorts, full of buds, 18 to 24-in..... 4.50 per 10, 40.00 per 100
Rhododendrons, 18 to 24-in., 8 to 12 buds, very fine..... 7.50 per 10, 70.00 per 100
 24 to 30-in., 12 to 14 buds, very fine..... 10.00 per 10, 90.00 per 100
 30 to 36-in., 14 to 16 buds, very fine..... 15.00 per 10, 125.00 per 100
 24-in., seedlings, bushy, well budded plants..... 6.50 per 10, 60.00 per 100
Tree Roses, all hardy varieties, budded on straight stout stems..... 3.50 per 10, 30.00 per 100
Boxwood, a magnificent spring importation on hand, clean bright stock and grand values for the money.

Pyramidal, 36-in. high, at \$1.75 each; 42-in. high, at \$2.25 each; 48-in. high, at \$3.00 each; 54-in. high, at \$4.00 each.

Globe Form, perfect globes, 18 by 18 inches, \$3.00 each.

Bush Form, very broad, heavy plants, 12 in. high, \$3.00 per 10, \$25.00 per 100; 18-in. high, 50c each, \$4.50 per 10; 24 in. high, \$1.25 each, \$10.00 per 10; 30 in. high, \$1.50 each, very broad, 36-in. high, \$2.00 each, very broad.

Aristolochia Siphon, Dutchman's Pipe, heavy vines, 4-ft. top, \$25.00 per 100.

Hybrid Tea Roses, strong 2-yr., field grown dormant plants—Betty, fine pink, \$17.50 per 100; Gen. McArthur, Grus An Teplitz, Hermosa, Kaiserin Augusta, Victoria, La France, Mad. Jules Grolez (deep pink) Mamam Cochet, Mad. Caroline Testout, White Maman Cochet, at \$15.00 per 100; Prince de Bulgarie, \$17.50 per 100.

NEW BABY RAMBLER ROSES, 2-yr., field grown—

Erna Teschendorff, the best red yet introduced, more petals than the original Baby Rambler, a deeper, brighter red and does not fade, \$4.00 per dozen, \$30.00 per 100.

Orleans, light Geranium red, opening to a bright rose color. Very free bloomer and compact shapely plant for pots, \$2.50 per dozen, \$18.00 per 100.

CLIMBING ROSES, 2-yr., field grown—

Dorothy Perkins..... \$12.00 per 100

Farquhar..... 25.00 per 100

Tausendschon..... 15.00 per 100

Violet Blue..... 10.00 per 100

Yellow Rambler..... 10.00 per 100

Flower of Fairfield..... \$20.00 per 100

Hiawatha..... 12.00 per 100

Trier..... 12.00 per 100

White Dorothy..... 12.00 per 100

The Storrs & Harrison Co., Painesville, Ohio

J.D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my Specialty

Best Grafted Rose Stock

Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000, \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill. Killarney Queen, \$15.00 per 100; \$120.00 per 1000.

Own Root Stock

White Killarney, Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6.00 per 100, \$55.00 per 1,000. Richmond, 2½-inch, \$5.00 per 100; \$45.00 per 1,000.

The above is All select stock and a big bargain at the prices quoted.

Carnations

WHITE—	R. C. per		2½ per		PINK—	R. C. per		2½ per	
	100	1000	100	1000		100	1000	100	1000
White Perfection...	\$2 20	\$20 00	\$3 50	\$32 00	Gloriosa.....	3 00	27 50	4 00	37 50
White Enchantress	2 20	20 00	3 50	32 00	Mrs. Ward	3 00	27 50	4 00	37 50
PINK—					Enchantress.....	2 20	20 00	3 50	32 00
Rosette.....	6 00	50 00	7 00		RED—				
Lawson.....	2 20	20 00	3 50	32 00	Scarlet Glow	3 00	25 00	4 00	37 50
Winsor.....	2 20	20 00	3 50	32 00	Beacon.....	2 20	20 00	3 50	32 00
May Day.....	3 00	25 00	4 00	37 50					

Chrysanthemums.

WHITE	R. C. per		2½-in. per	
	100	1000	100	1000
Smith's Advance...	\$2 50	\$20 00	\$3 00	\$25 00
Best Early White				
October Frost...	2 50	20 00	3 00	25 00
Vir. Poehlmann...	3 00	25 00	4 00	35 00
Alice Byron.....	2 50	20 00	3 00	25 00
Timothy Eaton...	2 50	20 00	3 00	25 00
W. H. Chadwick...	3 00	25 00	4 00	35 00

YELLOW	R. C. per		2½-in. per	
	100	1000	100	1000
COMOLETA.....	3 00	25 00	4 00	35 00
Best early yellow, blooms Sept. 27.				
Golden Glow.....	3 00	25 00	4 00	35 00
Halliday.....	2 50	20 00	3 00	25 00
CHRYSOLOREA.....	5 00	40 00	6 50	60 00
Best yellow money maker, blooms Oct. 5 10.				
Col. Appleton.....	2 50	20 00	3 00	25 00
Major Bonaffon.....	2 50	20 00	3 00	25 00
Immense stock, still one of the best.				
Yellow Eaton.....	2 50	20 00	3 00	25 00
Golden Chadwick.....	3 00	27 50	4 00	35 00
Best late yellow.				

PINK	R. C. per		2½-in. per	
	100	1000	100	1000
PATTY.....	3 00	25 00	4 00	35 00
Beautiful Enchantress pink, fine strong grower. (3½-in. per 100, \$5.00).				
UNAKA.....	4 00	35 00	5 00	45 00
Earliest pink, first week of October.				
McNiece.....	2 50	20 00	3 50	30 00
Maud Dean.....	2 50	20 00	3 50	30 00
Dr. Enguehard.....	2 50	20 00	3 50	30 00
RED				
Schrimpton.....	2 50	20 00	3 00	25 00
BRONZE				
O. H. Kahn.....	4 00		5 00	

We can supply large quantities of the above

POMPONS—Large stock of the leading commercial varieties. 2½-in., per 100, \$4.00
List of Varieties Upon Application.

Poehlmann Bros. Co., Morton Grove, Ill.

ROSES

Wintered cool; x-strong roots; prime condition. Best sorts, old and new, including:—

	2½-in.		4-in.	
	Doz.	100	1000	100
Duchesse de Brabant.....	\$0.50	\$3.00	\$25.00	\$10.00
Ktoile de Lyon.....	0.50	3.00	27.50	10.00
Maman Cochet, Pink.....	0.50	3.00	27.50	10.00
White Maman Cochet.....	0.50	3.00	27.50	10.00
Mlle. Franzisca Kruger.....	0.50	3.00	25.00	10.00
Safrano.....	0.50	3.00	25.00	10.00
William R. Smith.....	0.50	3.50	30.00	10.00
Kaiserin Aug. Vic.....	0.50	3.50	30.00	10.00
Mme. Jenny Guillemot.....	0.50	3.50	30.00	12.00
Meteor.....	0.50	3.00	27.50	12.00
Rhea Reid.....	0.60	4.00	35.00	12.00
Jeanne d'Arc.....	0.50	3.50	30.00	12.00
Mrs. Taft.....	0.60	4.00	35.00	12.00
Dorothy Perkins.....	0.50	3.00	25.00	10.00
Phil'a Crimson Rambler.....	0.50	3.00	25.00	10.00
Tausendschon.....	0.50	3.00	25.00	10.00
Mary Washington.....	0.50	3.00	25.00	10.00
Marechal Niel.....	0.60	3.50	30.00	15.00

SPRING-FLOWERING BULBS

CALADIUMS

With live center shoot

	Doz.	100
5-7 inch	\$0.80	\$1.80
7-9 inch	.50	3.50
9-11 inch	.85	6.00

GLADIOLI

First size bulbs

	100	1000
America, pink	\$3.00	\$25.00
Francis King, scarlet	2.00	18.00
Light and White florists' mixture	1.75	15.00

CANNAS

Two to three-eye roots

	100	1000
Chas. Henderson.....	2.00	18 00
Florence Vaughan.....	2.00	18 00
King Humbertin.....	6.00	

TUBEROSES

Dwarf Pearl

	100	1000
First Size	\$1.00	\$9.00
Second size	.60	5 00

A. HENDERSON & CO., 352 N. Michigan Avenue, CHICAGO

Mention the American Florist when writing

THE LEEDLE FLORAL COMPANY

SPRINGFIELD-OHIO

J. E. MEREDITH, PRES. C. W. STOUT, Sec'y

The Meredith Flower and Vegetable Co.

LIBERTYVILLE :: ILLINOIS

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Chrysanthemums

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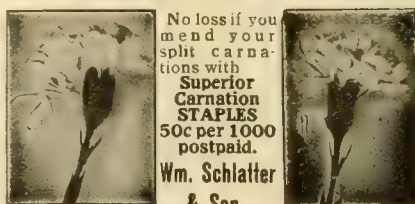
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Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

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Pink Delight, flesh pink.....	6.00	50.00
Conquest, overlaid pink.....	4.00	35.00
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White Enchantress	2.00	20.00
White Perfection	3.00	25.00
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Princess Charming, flesh pink.....	3.00	25.00
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Lawson	2.20	20.00	3.50 32.00
Winsor	2.20	20.00	3.50 32.00
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Gloriosa	3.00	27.50	4.00 37.50
Mrs. Ward	3.00	27.50	4.00 37.50
Enchantress	2.20	20.00	3.50 32.00
Scarlet Glow	3.00	25.00	4.00 37.50
Beacon	2.20	20.00	3.50 32.00

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	Per 100	Per 1,000
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White Enchantress	2.00	20.00
Princess Charming	2.00	20.00
White Lawson	1.50	12.50
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Winsor	1.50	12.50
Victory	1.50	12.50
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Carnations, Champion, \$12 per 100; \$100 per 1,000; 2,500 for \$237.50; 5,000 for \$450. Yellowstone and Yellow Prince, \$6 per 50; \$10 per 100; \$80 per 1,000; \$178.50 per 2,500; \$350 per 5,000. F. Dörner & Sons Co., La Fayette, Ind.

Carnations, Northport, Commodore, Enchantress Supreme and Salmon Beauty, Chas. H. Totty, Madison, N. J.

Carnations, chrysanthemums, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnation Enchantress, \$2 per 100; \$18 per 1,000. P. A. Lyon, Milton, N. Y.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

"Colorado Grown Plants Beat Them All." Chrysanthemum Rooted Cuttings, Early, Mid-season and late varieties: Yel. Bonnafton, Tangle, Appleton, Halliday, Silver and Golden Wedding, Monrovia, White and Yellow Eaton, Golden Glow, Nonin, Robinson, White and Pink Ivory, DeKalb, Helen Frick, Maud Dean, Touset, Vivand-Morel, Enzehard and Rosiere, \$2 per 100; \$15 per 1,000. April delivery. ELITCH-LONG GREENHOUSES, Denver, Colo.

FOR SALE—Chrysanthemums, Smith's Advance, Pacific Supreme, \$1.50 per 100; \$12 per 1,000. Rooted cuttings: Vinca variegata, 500, 2-in., \$8. Mme. Sallerol geraniums, 500, 2-in., \$8. D. W. Leatherman, Anderson, Ind.

Chrysanthemums, rooted cuttings, Pacific Supreme, Oct. Frost, Golden Glow, Halliday, Bonnafton, \$1.25 per 100; \$12 per 1,000. Black Hawk, Taft, White Bonnafton, Touset, Maud Dean, \$1.75 per 100; \$15 per 1,000. Lynwood Hall, Golden Wedding, \$2.50 per 100; \$20 per 1,000. T. W. Baylis & Son, West Grove, Pa.

Chrysanthemums, rooted cuttings and 2½-in. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, rooted cuttings, Golden Glow, Oct. Frost, Pacific Supreme, Major Bonnafton, \$1 per 100; Chas. Razer, best white, \$1.50 per 100. Edward Wallis, Berlin, N. J.

Chrysanthemums, Ramapo, 2½-in., \$15 per 100. Unaka, Gloria, Well's Late, Pink and Smith's Advance, Chas. H. Totty, Madison, N. J.

Chrysanthemums, all the money making varieties. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, rooted cuttings, Erie Floral Co., Erie, Pa.

CLEMATIS.

Clematis, W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, 2½-in., Verschaffeltii and Golden Bedder, 50c per doz.; \$3 per 100. Anna Pitzer and John Pitzer, 50c doz.; \$3 per 100. Black Prince, 75c per doz.; \$5 per 100. Vaughan's Seed Store, Chicago and New York.

Coleus, 10 vars., 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, Verschaffeltii and G. Bedder, 60c per 100. The Erie Floral Co., Erie, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEUM, finest strain in existence, including GLORY OF WANDSBEK, finest salmonium, orchid flowering, Rococo; strong transplanted seedlings, \$3.00 100; \$25.00 1,000. Cash, please.

Rober & Radke, Maywood, Ill.

DAHLIAS.

Dahlia, 100,000 field-clumps; 100 varieties of cream. Get list. Benj. Connell, Florist, Merchantville, N. J.

DAISIES.

Shasta daisies, field-grown, strong plants, 75c per 100; \$6 per 1,000. Clumps, \$1 per 10; \$5 per 100; \$40 per 1,000. Cash with order or C. O. D. Write for Nursery Stock price list. E. J. Sheffield, Alvin, Texas.

Daisies, yellow, 3-in., \$4 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

DRACAENAS.

Dracena, Linden and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz. Vaughan's Seed Store, Chicago and New York.

Dracena Massangeana, 6-in., \$1 to \$1.75 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmons, Newton, N. J.

EUONYMUS.

EUONYMUS VARIEGATA RADICANS

JAPONICA,

2½-in. pots, 5c.

3 and 4-in. pots, 10c.

CONARD & JONES CO.,

WEST GROVE, PENNSYLVANIA.

FERNS.

FERNS.

Scotti, 2½-in., \$4 per 100; Scholzeil, \$4 per 100; \$35 per 1,000. Boston, \$4 per 100; \$35 per 1,000.

DWARF FERNS FOR FERN DISHES. These dwarf ferns are used by the hundreds of thousands to fill dishes for table decorations. Our sales each year exceed fifty thousand plants. Our stock is in prime condition, ready to use at once. We offer 9 choice varieties, Pteris Cretica, Albolineata, Victoria, Wilsoni, Mayil, Pteris Multiceps, Aspidium Tsussimense, Sieboldii, Wimssetti, Cyrtomium Falcatum or Holly Fern. Price 50c per doz.; \$3.50 per 100; \$30 per 1,000. Our new catalog giving prices on ferns, roses and all other plants ready now. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World.

Box 18, Springfield, Ohio.

ROOSEVELT FERNS.

2½-in., \$6.00 per 100.

CONARD & JONES CO.,

WEST GROVE, PENNSYLVANIA.

Ferns, Boston, 2½-in., \$3 per 100; \$30 per 1,000. Roosevelt, 2½-in., \$5 per 100; \$40 per 1,000. Whitman Compacta, 2½-in., \$5 per 100; \$40 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns, For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Boston ferns, 2½-in., bushy plants, ready to shift, \$2.75 per 100. Cash. John Bauscher, Jr., Freeport, Ill.

Ferns for dishes, assorted, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rates. Frank Oechslein, 4911 W. Quincy St., Chicago.

Extra strong Boston Springfield runners, \$1 per 100; \$9 per 1,000. Cash. Satisfaction guaranteed. Newell & Ustler, Apopka, Florida.

Table ferns, 10 varieties, 2½-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100; \$55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmons, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica, 5-in., 35c each; 6-in., 50c. Ficus pandurata, 6-in., 7-in. and 8-in., \$1.50, \$2.50 and \$3.50 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus pandurata, 6-in., \$3.50 each. Elastica, 6-in., 75c to \$1 each. Poehlmann Bros. Co., Morton Grove, Ill.

GERANIUMS.

GERANIUMS.

Good, healthy, fall-rooted plants from 2½-in. pots at \$3 per 100; \$27.50 per 1,000, except where noted: Beaute Poitevine, Marquis de Castellane, S. A. Nutt, Jean Viand, La Favorite, A. Ricard, Mme. Landry, Mrs. E. G. Hill, Heteranthus, M. Jaulin, Red Wing (6c each). Our new catalog of everything you need mailed upon application. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World.

Box 18, Springfield, Ohio.

Geraniums, strong, stocky plants in bud and bloom, S. A. Nutt, Ricard, Beaute Poitevine, White Buchner, 4-in., 7c; 3½-in., 6c; 2½-in., 2½c; good stock, guaranteed. Cash with order. Gus. Schlegel, Olney, Ill.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmons, Newton, N. J.

Geraniums, 2½, 3 and 4-inch. Geo. A. Kohl, Pekin, Ill.

NEW AMERICAN BEAUTY.

For the first time we are offering this wonderful new geranium to our many customers. Write for colored cut and prices on large lots, 2½-in. pots, 50c; \$5 per doz.

JOHN BAUSCHER, JR.,

Arcade Addition, Freeport, Ill.

Geraniums, S. A. Nutt, Perkins, Poitevine, Jean Viand, La Favorite, Redfield and Rose, 2½-in., \$3 per 100; \$25 per 1,000. Beaute Poitevine, 3-in., \$5 per 100. Mme. Sallerol, extra strong, 2-in., \$2 per 100; \$18 per 1,000. Cash. ROBER & RADKE, Maywood, Ill.

Geranium Scarlet Bedder, \$1.50 per ten; \$12.50 per 100; \$100 per 1,000. Elmer D. Smith & Co., Adrian, Mich.

Mrs. Laval (pansy geranium) 2½-in., 85c per doz.; \$6 per 100. Vaughan's Seed Store, Chicago and New York.

S. A. NUTT.

Strong selected top cuttings, well rooted, \$1.25 per 100; \$12 per 1,000. THE W. T. HUCKLEY CO., Springfield, Ill.

Geraniums, S. A. Nutt, and 4 others, 3-in., \$4 per 100; 2½-in., \$3. Jos. H. Cunningham, Delaware, O.

Geraniums, Ricard and Poitevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. B. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GLECHOMA VINES.

500 strong beautiful Glechoma Vines, ready for 4-inch, \$5 per 100. Cash. Ten Eyck & Son, Auburn, Ind.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Magnolia leaves, cycas leaves, American oak sprays, ruscus, Oscar Leistner, 17 N. Franklin St., Chicago.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Wild smilax, 16 cubic feet cases, \$3 per case. Caldwell The Woodsman Co., Evergreen, Ala.

Fancy ferns, \$1.50 per 1,000. Robert Groves, Adams, Mass.

Wild Smilax, Jas. E. Pinkston, Louisville, Ala.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

HYDRANGEAS.

HYDRANGEAS.

New Forcing Hydrangea Arborescens Grandiflora Alba or Hills of Snow.

For forcing or immediate sales; 1-yr. field-grown, 12 to 18 inches, 2 canes, \$1.25 per doz.; \$8 per 100; \$75 per 1,000. Select, 2 to 3 canes, \$1.50 per doz.; \$10 per 100; \$90 per 1,000. 2-yr. field-grown, 18 to 24 inches, 2 to 3 canes, \$2 per doz.; \$14 per 100; \$120 per 1,000. Our Catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World.

Box 18, Springfield, Ohio.

Hydrangea Otaksa, field-grown, 3 to 10 shoots, 10c to 35c. The Erie Floral Co., Erie, Pa.

IVIES

ENGLISH IVY.

2½-in. pots, \$5.00 per 100.

CONARD & JONES CO.

WEST GROVE, PENNSYLVANIA.

English ivy, 4 ft., 4-in. pots, \$15 per 100; 4½-in., \$20. Bobbink & Atkins, Rutherford, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Ivy, English, 3-in., \$4 per 100. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

English Ivy, R. C., 75c per 100; prepaid. Chas. Frost, Kenilworth, N. J.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the valley. Grow Bruns' celebrated Chicago Market, the finest forcing valley in America, \$18 per 1,000; \$9.50 per 500; \$5 per 250; Florists' Money Maker, \$10 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MANETTI.

ENGLISH MANETTI STOCKS. A bargain, to close out surplus quick. Well rooted, carefully regraded and everything undersized or not up to strictly first quality discarded. It pays to buy regraded, repacked stocks. We offer 5-8 mm grade at \$12 per single thousand; five thousand or more at \$10 per thousand. 3-5 mm grade, \$8 per thousand; \$65 per ten thousand, to close them up quickly. Orders can be filled the same day we get them. Wire and say whether to ship by freight or express. Jackson & Perkins Co., Newark, New York.

MARGUERITES.

MARGUERITES.

Mrs. F. Sander, 2-in., \$2.50 per 100; 3-in., \$5 per 100; Alexandra and large flowering and California single, 2-in., \$2 per 100; 3-in., \$4 per 100. ROBER & RADKE, Maywood, Ill.

New double marguerites, Mrs. F. Sander, 2½-in., \$2.50 per 100. Large yellow winter flowering and Queen Alexandra, 2½-in., \$2 per 100. Cash. John Bauscher, Jr., Freeport, Ill.

Marguerites, Mrs. F. Sanders, 60c per doz.; \$4.50 per 100. Queen Alexandra, 60c per doz.; \$3.50 per 100. Vaughan's Seed Store, Chicago and New York.

MOSS.

Sphagnum moss, 1 bale, \$3.80; 5 bales, \$3.60 each; 10 bales, \$3.40 each; 25 bales, \$3.20 each. Live moss, \$1.25 per bbl. Rotted peat, 60c per sack. J. H. Sprague, Barnegat, N. J.

Green sheet moss, 1 bale (5 bundles) \$1.25; 5 bales (25 bundles), \$6. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

Sphagnum Moss, 10 burlap bales, \$13.50; 10 wired bales (large), \$11. Vaughan's Seed Store, Chicago.

Moss, surplus of 12 barrel bale New Jersey moss, delivered anywhere in Chicago, \$5 per bale, 2 or more bales, \$4.75 per bale. Klehm's Nurseries, Arlington Heights, Ill.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture. American Spawna Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock. Storrs & Harrison Co., Painesville, O.

SHRUBBERY.

There are bargains to be had here in such varieties as spiraeas, altheas, weigelas and philadelphus, and this names only a few. We have acres of shrubs, well grown and ready for you. Write for price list. The Conard & Jones Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

We offer Carolina Poplar, Silver Maple, Ash Leaf Maple, Catalpa Speciosa, American Elm, 6 ft. to 16 ft. Glen Rock Nurseries, Glen Rock, Pa.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, evergreens, herbaceous perennials and deciduous trees, shrubs, roses and vines. The New England Nurseries Co., Bedford, Mass.

Nursery stock. W. Van Kleef & Sons, Boskoop, Holland.

ONION SETS.

Onion seed and onion sets. Schilder Bros., Chillscothe, O.

ORANGES.

ORANGE OTAHEITE.

From 2½-in. pots, \$3 per 100; \$27.50 per 1,000. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Osmundine (Osmunda fibre or orchid peat.) The C. W. Brownell Co., Walden, N. Y.

PALMS.

Palms, Kentia Forsteriana and Belmoreana, all sizes from 4-in. to 12-in. tubs, 35c to \$15 per plant. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms, 5 Latania Borbonica (7 ft.); 2 Sago (20 ft.); 1 Phoenix (7 ft.). \$15 to \$20 f. o. b. Washington. Gallaudet College, Washington, D. C.

Palms. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Kentia Belmoreana, 3 leaves, \$1 per doz. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

PANSIES, finest French mixtures. Strong seedlings, 35c per 100; \$2.50 per 1,000. Transplanted seedlings, 60c per 100; \$5 per 1,000. ROBER & RADKE, Maywood, Ill.

Pansy plants, fall transplanted, Danish seed, in bud and bloom, \$1 per 100; \$10 per 1,000. Cash, please. Edgar Easterday, Nokomis, Ill.

Strong, stocky, fall Pansy Plants: large flowering, 50c per 100; \$4 per 1,000. Cash with order. Gus. Schlegel, Olney, Ill.

Pansy plants, \$1.50 per 100. Jos. H. Cunningham, Delaware, O.

PEONIES.

PEONIES.

"Peonies for Pleasure." This book of "Peonies for Pleasure" gives information on peony history; soil and plants to use; how and when to plant; fertilizers and how to apply, and describes the most extensive planting of really valuable Peonies ever gathered together under the sun; describes the old and the new as well as the plebeian and aristocrat of the Peony family. If you want information on the plant that stands next to the Rose in beauty, that is practically known to the amateur as simply a red, white and pink Peony, then send for "Peonies for Pleasure." We also issue a special wholesale price list of Peonies for Fall Sales, 1913. Send for both of these booklets. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

Peonies. W. & T. Smith Co., Geneva, N. Y.

RASPBERRIES.

THEY'RE THE FINEST YOU EVER ATE: To introduce this wonderful Raspberry—will sell one thousand dozen Famous Alton Improved Red Raspberry plants—to bear this year, at one-half price or \$1.25, single dozen lots, or five dozen lots for \$5. f. o. b. Waterloo, Iowa. Address A. E. Gibson, Waterloo, Iowa.

RHODODENDRONS.

Rhododendrons, 10 carloads of rhododendron maximum, 2 to 5½ ft. high, nursery grown or transplanted 3 yrs., heavily budded, \$350 a carload of 200 plants. Lowland Rhododendron Farm, Kingston, R. I.

Rhododendrons. The Storrs & Harrison Co., Painesville, O.

POINSETTIAS.

Poinsettias, dormant stock. Write for prices. C. J. Reese, Springfield, Ohio.

PRIMULAS.

Primula Obconica, in bud, 3-in., \$4 per 100. Cash. John Bauscher, Jr., Freeport, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

ROSES.

STOCK FOR SALE.

ROSES—For Summer Bedding—Bessie Brown, Pink Maman Cochet, White Maman Cochet, Gruss an Teplitz, Helen Good, Hermosa, Helen Gould, Lady Hillingdon, Miss Alice de Rothschild, Mrs. Taft, (Antoine Rivoli), President Taft, Rhea Reid, Sunburst, Tausendschon, (Ex-celsa) Red Dorothy Perkins, Dorothy Perkins, Lady Gay, Crimson Rambler, Wm. R. Smith and all other bedding Roses from 2½ and 4-in. pots. Our new catalog giving prices on all roses and other plants ready now. Write for it today.

THE GOOD & REESE CO.

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

Roses, grafted, Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110 per 1,000; \$100 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95 per 1,000 in 100,000 lots. Killarney Queen, \$15 per 100; \$120 per 1,000. Own root: White Killarney, Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$8 per 100; \$55 per 1,000. Richmond, 2½-in., \$5 per 100; \$45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

ROSES. Fine healthy stock, 2-inch, Mrs. B. R. Cant, gruss an Teplitz, Wellesley, Duc de Brabant, Vis. Faldstone, Mrs. De Graw, Mrs. S. McKee, Apricot, Deegan, Glo. Exp. Brussels, 2-in., \$3 per 100. Clo. Souper, S. de P. Notting, M. Lambert, Coq. des Blancs, Emp. China, Climbing Clo. Souper, 2-in., \$2.50 per 100. Our selection of varieties all labeled true to name, \$20 per 1,000. ORDER NOW. WAGNER PARK CONSERVATORIES, Sidney, O.

ROSE PLANTS.

My Maryland, 2½-in. Strong Plants, \$3.50 per 100; \$30 per 1,000.

One Year Old Bench Plants.

Pink and White Killarney, \$3.50 per 100; \$30 per 1,000. American Beauties, \$6.00 per 100; \$50 per 1,000.

GEORGE REINBERG.

162 North Wabash Ave., Chicago.

Roses, grafted, Richmond, White Killarney, Bride, Kaiserin, Pink Killarney, Bridesmaid, 2½-in., \$10 per 100; \$100 per 1,000. Own root, My Maryland, Pink Killarney, Richmond, Perles, White Killarney, Kaiserin, 2½-in., \$5 per 100; \$47.50 per 1,000. J. L. Dillion, Bloomsburg, Pa.

ROSE PLANTS.

2½-in. fine young stock

	Per 100	Per 1000
Richmond	\$3.50	\$30.00
My Maryland	4.00	35.00

WIETOR BROS.

162 N. Wabash Ave., Chicago

ROSE CUTTINGS, Lady Hillingdon, \$25 per 1,000. White Killarney, \$18 per 1,000. Seeding Smilax, \$4 per 1,000. Cash with order. L. B. Coddington, Murray Hill, N. J.

5,000 American Beauty Bench Plants, \$6.50 per 100; \$60 per 1,000. WIETOR BROS., 162 North Wabash Ave., Chicago.

Roses, 2½-in., American Beauty, \$5 per 100; \$45 per 1,000. W. Killarney, P. Killarney, Melody, Sunrise, \$4 per 100; \$35 per 1,000. Richmonds, \$3 per 100; \$25 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Leedle Floral Co., Springfield, O.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Roses. 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

ROOTED CUTTINGS.

Rooted Cuttings: Abutilon Savitzi, Acalypha Macaefana, Schryanthus Emersoni, ageratum, 6 vars.; alternantheras, 8 vars.; alyssum, dbl. giant and dwf.; Begonia Vernon, Gracilis luminosa, Cuphea, Coleus, 10 vars.; Coleus Brilliantum; Chrysanthemums, 75 pompon vars.; heliotrope, hardy English Ivy, lantana, 15 vars.; lemon verbenas, moonvines, petunias, Salvia Bonfire and Zurich; parlor ivy, Swainsona alba and rosea. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Rooted cuttings: Verbenas, 70c per 100; \$6 per 1,000. Ageratum, 60c per 100; \$5 per 1,000. Heliotrope, daisies, salvias, \$1 per 100; \$8 per 1,000. Feverfew, petunias, \$1.25 per 100; \$10 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Alyssum, double, \$1 per 100; \$8 per 1,000. S. D. Brant, Clay Center, Kans.

Rooted cuttings, Ageratum, Stella Gurney, 60c per 100. Daisy, Mrs. F. Sander, \$1 per 100. Hydrangea Otaksa, \$1 per 100; Vinca Var., 75c per 100. Edward Wallis, Berlin, N. J.

ONION SETS.

Choice ONION SETS, yellow, \$1.50; white, \$1.75; yellow multipliers or shallots, \$1.80, all per 32 lbs. bushel, sacks included. Sluis Seed Store, 544 West 63rd St., Chicago.

SEEDS.

Seeds, beans, beets, cabbage, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mettete's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mettete, Quedlinburg, Germany.

THE SAWYER ASTERMUM—Eight years of strict selection places it on the mountain top of perfection, in color, size and profit. Price (cash with order), \$8 oz.; \$4.50 ½ oz.; trade pkg., 1,000 seeds (not mixed), \$1. Colors: White, pink and lavender. Send for cuts and description. ALBERT A. SAWYER, Forest Park, Ill.

Have lovely shell-pink CREGO ASTER SEED. ½ oz., \$1; oz., \$2; 2 ozs., \$3.50. Shunshine Flower Gardens, 3365 East 139th St., Cleveland, Ohio.

Flower seeds. For varieties and prices see advertisement elsewhere in this issue. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Seeds, cauliflower, white Tripoli onion, (crystal wax) and all other vegetable and flower seeds. Dammann & Co., San Giovanni a Teduccio near Naples, Italy.

Seed, perennial rye grass, \$3.75 per 100 lb. bag. Avenue Floral Co., 3442 St. Charles Ave., New Orleans, La.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, specialties: Beets, mangoes, carrots, cabbage, celeries, parsleys, parsnips, turnips, R. & M. Godineau, Angers, France.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, pepper, asparagus, tomato, musk and watermelon. J. E. Hoopes & Co., Box 38, Muscatine, Iowa.

Seed, lawn grass. The Albert Dickinson Co., Chicago.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onions, lettuce, carrot, radish. Braslan Seed Growers Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds, lawn grass. J. Oliver Johnson, 1874-76 Milwaukee Ave., Chicago.

Seeds. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

SMILAX.

Smilax, 4-in., \$1 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, Ramburg's famous silver pink, rooted cuttings, \$2 per 100; extra strong 2½-in., \$3.50 per 100. Addems, Morgan & Co., Paxton, Ill.

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Fall bearing strawberry plants; best varieties; catalogue free. Basil A. Perry, Cool Spring, Del.

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800,000 vegetable plants. Cabbage, cauliflower, tomato (100 postpaid 60c), 1000, \$4. Beets, lettuce, asters (100 postpaid 35c), 1000, \$2. Glucks Plant Farms, Lancaster, Pa.

Asparagus roots, 2-year-old, Barr's Mammoth, Columbian Mammoth White, Conover's Colossal and Dreer's Eclipse, 50c per 100; \$4 per 1,000. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Tomato plants, Sutton's Best of All and Bonny Best, the latter from greenhouse grown seed; extra strong 2½-in., \$2 per 100. Addems, Morgan & Co., Paxton, Ill.

VERBENAS.

Verbenas, Defiance, red; Mayflower, pink; Mammoth, purple; Italian, striped; all strong seedlings, ready for 2-in. pots, prepaid, \$6 per 1,000; \$1.75 for 250. P. Pearson, 5732 Gunnison St., Chicago.

Verbenas, transplanted seedlings, the finest mammoth and named varieties, in separate colors, 75c, 100; \$6.00, 1,000. Cash. ROBER & RADKE, Maywood, Ill.

Lemon verbenas, rooted cuttings, 100 prepaid, 75c. Chas. Frost, Kenilworth, N. J.

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Vincas, 2½-in., \$3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

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Building material. Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

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Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5936 Penn Ave., near Highland, East End, Pittsburg, Pa.

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Siebert's glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

Greenhouse glass. Baur Window Glass Co., Eaton, Ind.

Olmsted's improved mole trap, L. H. Olmsted's Son, Hasbrouck Heights, N. J.

Dennison tags. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago and St. Louis.

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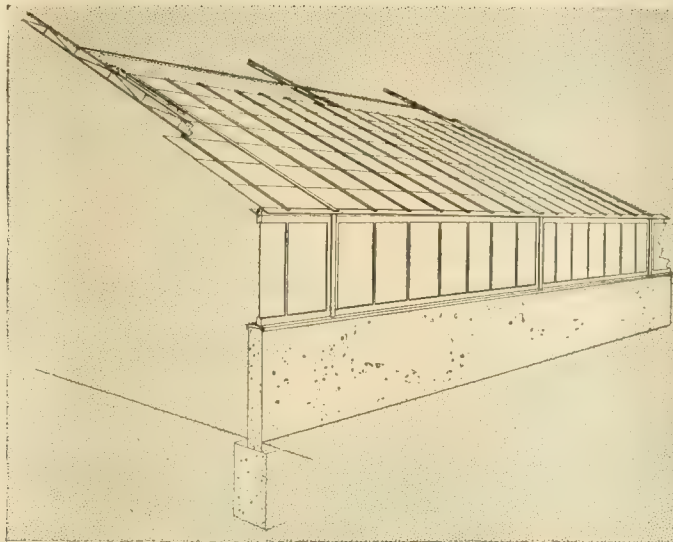
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SATURDAY'S TRADE HEAVY.

Easter has come and gone. Owing to the weather, it has been a very strenuous time. Thursday night the glass went down near zero. Good Friday saw a snow storm in progress with the wind blowing a gale. These conditions kept people indoors. Saturday was fair and warmer and in consequence the business of three or more days was all crowded into one. There certainly was a grand rush. There was nearly enough stock of all kinds to meet all the demands. Very little was shipped in. Lilies were the choice and went like hot cakes. One retail

firm sold more than eight hundred in pots alone. Many thought there would be plenty left over, but Easter morning saw every salable lily with a tag on. In bulb stock daffodils seem to have been the most called for. Violets and sweet peas went well. In fact everything on hand was sold. Taken all in all, florists in this city are more than pleased. Easter Sunday opened up with the rain coming down in sheets, making delivery very unpleasant, but this was much better than zero weather. Increase in business over last year was about 15 per cent. Prices were the same.

T. E.

FISHKILL-ON-HUDSON, N. Y.—Benjamin Hammond was elected president of the Village Board for the fifth term March 18.

PASADENA, CALIF.—As a result of the recent rains the flower show of April 10-12 is expected to be the best yet given by the Pasadena Horticultural Society.

CHARLESTON, S. C.—The report published in the daily press and elsewhere that John Salmon of Baltimore, Md., had purchased the Carolina Floral Store is erroneous. The store is now the property of Mrs. F. L. Aichele and her son, F. J. Aichele.



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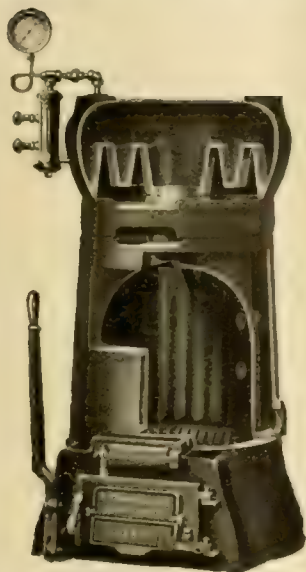
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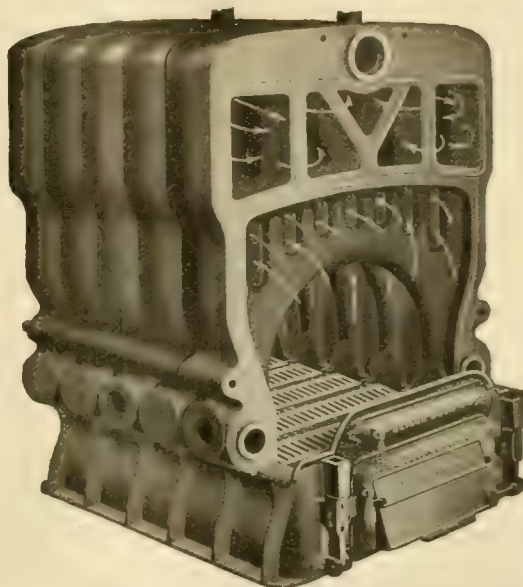
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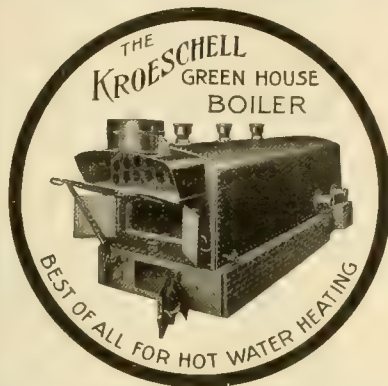
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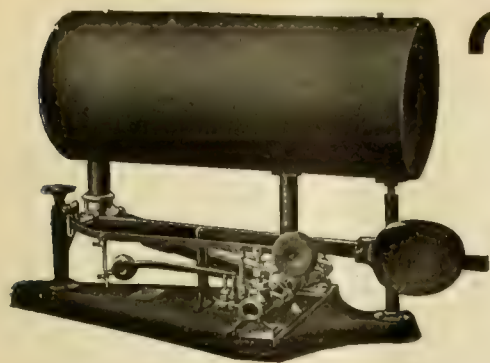
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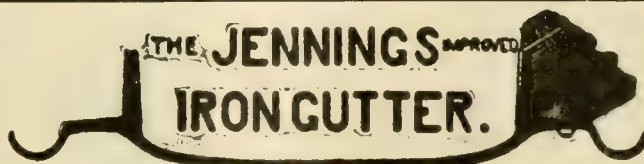


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ferns being used at the base. Scattered throughout the room were other baskets of note, one a Baby Rambler very finely trained in arch shape. Under the arch a small bed of lily of the valley was planted, which in turn was finished with a hedge effect of the same roses. An artistic gauze and pink satin ribbon rosette combination finished a very handsome basket. Another basket of gray straw filled with primulas and spireas offset with a grey gauze ribbon was distinctive.

C. A. Samuelson in the next art room showed his conception of the beauty of a colonial garden effect. One corner of the room was arranged in a mass of Baby Rambler roses, finished with small ferns, sheet moss being used as a finish to the crescent design. In the opposite corner, the same idea was carried out in genistas with a finish of funkias. On the central divan stood a majestic Roman urn filled with a bevy of Lady Gay roses which was surrounded with a number of artistically designed small French baskets, expressive of the large possibilities of the flower art.

In the Hutchinson room, Wienhoeber's exhibit was a stately representation of a wedding decoration. Tall palms in a graceful pyramid group were used for a background of a handsome prie-dieu of white enamel cushioned daintily and finished with a handsome white sash ribbon. On either side of this stood an immense white basket filled with Easter lilies. Three handsome Dresden wedding columns, posts of white enamel with the Dresden designs in colors and finished with sash ribbons of white, represented the aisles on either side and lent a note of distinction to the tout ensemble. His daintily arranged centerpieces for the table were filled with spring flowers, the purple and yellow iris being with the ixia and Sunburst roses used to still further enhance their individuality. His display of French and gold dinner baskets was interesting. A basket arranged with stocks and double yellow tulips, gave an added tone to his artistic settings.

The Wittbold decoration in the Ryerson room was truly a conception of the highest floral art in the arrangement of a group of specimen palms, ferns and other foliage plants. The majestic beauty and simplicity of arrangement was most noticeable. Tall vases filled with Killarney roses of great beauty finished this central group. At each entrance of the room stood an immense Roman garden urn beautifully arranged with Tausendschon roses. It is surely difficult to describe in words the artistic splendor and individuality displayed in each and every decoration. Each was strikingly distinctive and showed careful planning as well as a note of artistic harmony.

Roses - Cut Blooms.

Tuesday was rose day and the principal exhibitors in the classes provided for cut blooms were the Poehlmann Brothers Co., the Geo. Wittbold Co., Wietor Brothers and Wendland and Keimel. A. N. Pierson, Inc., Cromwell, Conn., showed a large vase of Milady in fine form.

The Awards.

The awards of the judges for the first day were as follows:

MISCELLANEOUS FLOWERING PLANTS.

Anthuriums, six plants—Vaughan's Seed Store, first; E. G. Uihlein, (H. Skjoldager, gr.) second.

Anthurium, specimen plant—E. G. Uihlein, first.

Azalea Indica, 3 varieties—Frank Oechslin, first.

Azalea Indica, group of 12 plants—Frank Oechslin, first.

Bougainvillea, specimen plant—Fritz Bahr, Highland Park, first.

Cineraria hybrida, six plants—Mt. Greenwood Cemetery Association, first.

Cineraria stellata, six plants—Mt. Greenwood Cemetery Association, first; K. Barnhart, Evanston, second; N. W. Harris, Lake Geneva, third.

Cyclamens, 10 plants—Frank Oechslin, first; R. J. Southerton, Highland Park, second.

Cyclamen, specimen plant—R. J. Southerton, first; Frank Oechslin, second.

Ericas, six plants—Fritz Bahr, second.

Flowering Shrubs—Frank Oechslin, first.

Genista, specimen plant—Fritz Bahr, second.

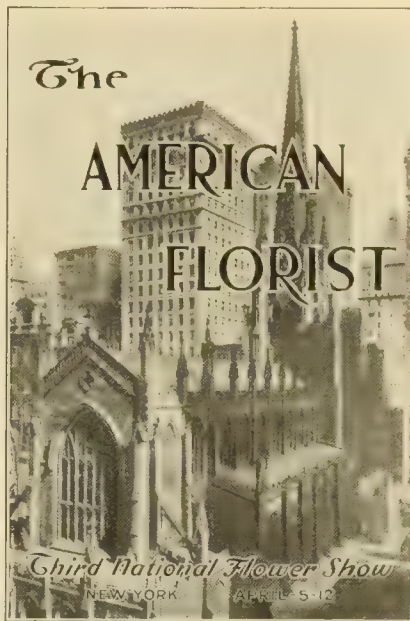


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Cover Design for National Flower Show Number 2 To Be Issued Next Week.

Hydrangea hortensis, six plants—Frank Oechslin, first; Vaughan's Seed Store, second.

Hydrangea Otaksa, specimen plant—Vaughan's Seed Store, second.

Japanese Maple, six plants—Frank Oechslin, first.

Lilacs, five plants—Frank Oechslin, second.

Marguerite, specimen plant—E. Boulter, Winnetka, first.

Rhododendrons, six plants—Frank Oechslin, first; Vaughan's Seed Store, second.

Rhododendron, specimen plant—Frank Oechslin, first.

Rhododendron Pink Pearl, specimen plant—Frank Oechslin, first; Vaughan's Seed Store, second.

Primula obconica, grandiflora or gigantea, 12 plants—K. Barnhart, first; L. F. Swift, Lake Forest, second.

Flowering Plant—N. W. Harris, first; Fritz Bahr, Highland Park, second; A. B. Dick, (John Tiplady, gr.) Lake Forest, third.

Metrosideras, specimen—Fritz Bahr, first.

Lily of the valley, 12 pans—H. N. Bruns, first; A. Jurgens, second.

Window box of flowering plants and vines—Vaughan's Seed Store, second.

Window box of foliage and vines—Vaughan's Seed Store, first.

FLOWERING PLANTS—BULBS.

Hyacinths, best three pans, 10 bulbs each, "La Grandesse"—Frank Oechslin, first; A. Jurgens, second; Vaughan's Seed Store, third.

Hyacinths, best three pans, 10 bulbs each, single white, any other variety—Frank Oechslin, first; A. Jurgens, second.

Hyacinths, best three pans, 10 bulbs each, single pink, any other variety—Vaughan's Seed Store, first; Frank Oechslin, second; A. Jurgens, third.

Hyacinths, best three pans, 10 bulbs each, Queen of the Blues—Vaughan's Seed Store, first; Frank Oechslin, second.

Hyacinths, best three pans, 10 bulbs each, single light blue, any other variety—Frank Oechslin, first; A. Jurgens, second; Vaughan's Seed Store, third.

Hyacinths, best three pans, 10 bulbs each, single red—Frank Oechslin, first; Vaughan's Seed Store, second.

Hyacinths, best three pans, 10 bulbs each, single dark blue—Frank Oechslin, first; Vaughan's Seed Store, second; A. Jurgens, third.

Hyacinths, bed arranged for effect—Frank Oechslin, first; Vaughan's Seed Store, second.

Narcissus, best three 10-inch pans, Empress—Fritz Bahr, first; Frank Oechslin, second; A. Jurgens, third.

Narcissus, best three 10-inch pans, Emperor—Frank Oechslin, first; A. Jurgens, second; Fritz Bahr, third.

Narcissus, best three 10-inch pans, Golden Spur—Frank Oechslin, first; A. Jurgens, second; Fritz Bahr, third.

Narcissus, best three 10-inch pans, double Von Sion—Vaughan's Seed Store, first; Frank Oechslin, second; Fritz Bahr, third.

Narcissus, best three 10-inch pans, any other double—Frank Oechslin, third.

Tulip, best three 10-inch pans, White Hawk—Frank Oechslin, first; Vaughan's Seed Store, second.

Tulips, best three 10-inch pans, single white, any other variety—Frank Oechslin, first; Vaughan's Seed Store, second.

Tulips, best three 10-inch pans, single pink, any variety—Frank Oechslin, first; Vaughan's Seed Store, second.

Tulips, best three 10-inch pans, Couleur Cardinal—Frank Oechslin, first.

Tulips, best three 10-inch pans, single red, any other variety—Frank Oechslin, first; Vaughan's Seed Store, second.

Tulips, best three 10-inch pans, single yellow, any variety—Frank Oechslin, first; Vaughan's Seed Store, second.

Tulips, early single, best three 10-inch pans, any other color—Frank Oechslin, first.

Tulips, double, best three 10-inch pans, not less than three varieties—Frank Oechslin, first; Vaughan's Seed Store, second.

Miscellaneous spring bulbs and tubers other than the above, best collection—E. G. Uihlein.

One specimen bulbous plant in flower, other than above—E. G. Uihlein, first, bronze medal.

Orchids, best collection, arranged for effect—E. G. Uihlein, first.

Orchids, specimen (any variety)—E. G. Uihlein, first, silver medal.



STANDING WREATH OF WHITE CARNATIONS WITH LILY OF THE VALLEY AND ORCHIDS.

FLOWERING PLANTS—ROSES.

Display in pots or tubs, any and all classes—Mt. Greenwood Cemetery Association, first; Vaughan's Seed Store, second.

Best six climbing, or rambling, three or more varieties—Vaughan's Seed Store, first; Mt. Greenwood Cemetery Association, second.

Crimson Rambler or Philadelphia, specimen plant—Mt. Greenwood Cemetery Association, second.

Greenwood Cemetery Association, second, bronze medal.

CUT FLOWERS—ROSES.

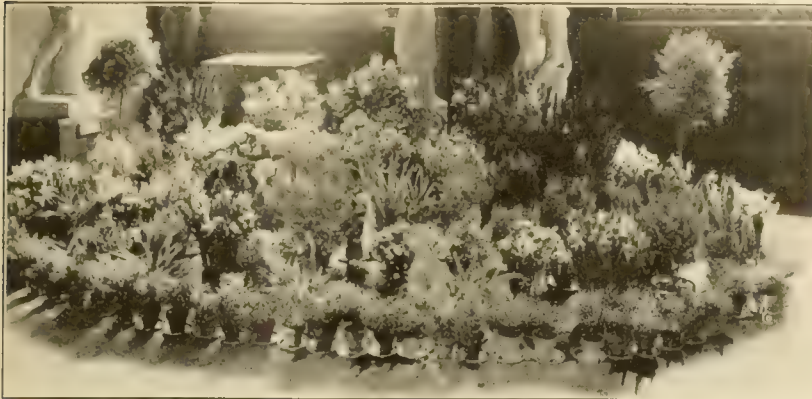
Best 75 American Beauty—Poehlmann Bros. Co., first; Wieter Bros., second.

Best 75 Killarney, or its pink sports—The Geo. Wittbold Co., first; Poehlmann Bros. Co., second; Wendland & Keimel, third.

Best 75 White Killarney—The Geo.

Royal Horticultural Society of England.

With reference to his impending resignation of the presidency of the Royal Horticultural Society, Sir Trevor Lawrence, Bart., writes: "In 1884, when I became president, the society had fallen into serious difficulties, pecuniary and other. But the surrender of the gardens at South Kensington laid the foundations of a new era. Since that time the society's progress has been uninterrupted, until it reached its present position of unprecedented prosperity and affluence. My reasons for writing this letter are the desire to emphasize the fact, fully recognized by my colleagues and myself, that the society's success has been due to the remarkable spread of a love of gardens and gardening among all classes of our people, rich and poor alike, and the fact that even this would not have sufficed to ensure prosperity had it not been decided to devote the society's energies wholly to the promotion and direction of scientific and practical horticulture, a decision which has been strictly adhered to. I cannot, however, resign a post, which has meant so much to me for so many years, without asking leave to express publicly my deep obligations to the colleagues with whom it has been my good fortune to work for so long. The society's council and committees are filled by men who know their work thoroughly, and are the heads of their special departments. They give gratuitously time, knowledge, and energy, without stint, to all they undertake. In this they have the hearty support of their employers, both amateur and professional, from whom, indeed, the society received a large measure of support even in its darkest days. The result may be summed up in a few words. The society, founded in 1804, has now upwards of 13,000 fellows, a subscription income of over £19,000 a year, a hall which cost £45,000, a celebrated garden, with a horticultural school and laboratory, upon which £10,000 has been spent, an extensive and valuable library, a reserve fund approaching £70,000, and no debts. I should not



FRITZ BAHR'S EXHIBIT AT THE CHICAGO SHOW.

Tausendschon, specimen plant—Vaughan's Seed Store, second.

American Pillar, specimen plant—Vaughan's Seed Store, second.

Dorothy Perkins, specimen plants—Mt. Greenwood Cemetery Association, first; Vaughan's Seed Store, second.

Hiawatha, specimen plant—Vaughan's Seed Store, second.

Lady Gay, specimen plant—Mt. Greenwood Cemetery Association, first; Vaughan's Seed Store, second.

Best climbing, any other variety, specimen—Vaughan's Seed Store, second.

One specimen rose plant, any variety—Mt. Greenwood Cemetery Association, first; Vaughan's Seed Store, second.

FERNS.

Adiantum, best specimen, any variety—K. Barnhart, first; Vaughan's Seed Store, second.

Cibotium Schiedeii, best specimen—Frank Oechslein, first; Frank Oechslein, second.

Nephrolepis exaltata and its varieties, best display—Vaughan's Seed Store, second.

Nephrolepis Bostoniensis, best specimen—E. G. Uihlein, first; Vaughan's Seed Store, second.

Polypodium or gonoiphlebium, specimen—N. W. Harris, first.

Staghorn fern specimen, any variety—A. B. Dick, first; N. W. Harris, second.

PALMS AND FOLIAGE PLANTS.

One specimen palm, any variety, size to be considered—E. G. Uihlein, first; H. N. Bruns, second.

Crotons, six plants in six varieties—N. W. Harris, Lake Geneva, first.

Basket or hamper of plants—E. G. Uihlein, first.

Hanging basket—A. B. Dick, first.

SPECIAL S. A. F. MEDAL.

Display of specimen flowering plants, one or more varieties, size and quality of individual plants to be considered—Fritz Bahr, first, silver medal; Mt.

Wittbold Co., first; Wieter Bros., second.

Best 75 Mrs. Aaron Ward—Poehlmann Bros. Co., first; Wendland & Keimel, second.

Best 75 Prince de Bulgarie—Wendland & Keimel, first; Poehlmann Bros. Co., second.

Best 75 Richmond—Poehlmann Bros. Co., first.

Best any other rose in commerce—Poehlmann Bros. Co., first.

EVANSVILLE, IND.—The Evansville Floral Co., a new concern, opened its doors to the public last month.

SANTA ROSA, CALIF.—Mrs. T. J. Butts is alive to the necessity for advertising and is a patron of the display columns of the local dailies.



VAUGHAN'S SEED STORE EXHIBIT AT THE CHICAGO SHOW.

omit a reference to the valuable services of the Rev. W. Wilks, our secretary for twenty-five years, to whom a well-deserved testimony is now being raised."—Gardener's Magazine.

Trinity Church and Churchyard, New York.

SEE COVER OF NEXT ISSUE.

The first Trinity church was erected in 1696 and the first service was held in it February 6, 1697. During a great fire which destroyed that part of the city on September 21, 1776, Trinity was laid in ruins. In following the early history of New York we find many names that have been preserved for coming generations through the naming of streets. Thus we read that the first service held in Trinity was by the Rev. Mr. Vesey, and Vesey is a well known downtown street. Another Trinity structure was erected in 1788 and consecrated in 1791 by Bishop Provost.

In these times we hear much of the high cost of living, but judging from the old records, the cost of being buried is, in proportion, much greater. The land on which Trinity was built was ceded to the vestry by the city without compensation, the only conditions being that it should always be enclosed with a fence, and that burials in it be granted to the citizens forever for three shillings and sixpence for a grown person and one shilling and sixpence for children under twelve years of age. Supposing this to have been "sterling money" as the English coinage was termed in the colonies, it would be 87½ and 37½ cents, respectively. It is stated that the first record of a burial, that of a Holland girl, in the ground of Trinity Churchyard was 1639, more than fifty years before the first Trinity Church was erected. Looking backward through that vista of years we find many prominent names. Among those buried there were Francis Lewis, a signer of the Declaration of Independence; Col. Marius Willett, active in the Revolution; Robert Fulton, inventor of the steamboat; Captain Lawrence, whose dying words were: "Don't give up the ship," and Alexander Hamilton. There were many burials in Trinity churchyard of Union soldiers during the Civil War.

The present church, completed in 1846, is the third Trinity church, the second one having been torn down because it had become unsafe. Trinity has long been considered the finest specimen of architecture in the old or lower part of the city. It is constructed of brown stone as are many other old New York buildings. It has been said that the bronze doors to its entrance cost \$40,000. The panels depict Bible scenes. The church fronts on Broadway, just opposite the entrance to Wall street. The block with the church and churchyard and the Trinity building, owned by Trinity Corporation, is bounded by Broadway, Church street and Rector and Thames streets. There is a remarkable chime of bells in the belfry and many people go there on New Year's eve to hear them. Noonday services are held in the church and we were recently surprised on attending one of these services to find the church full. There are many other interesting features connected with Trinity that space does not permit us to relate.

A. F. F.

FARMINGTON, UTAH.—The Miller Floral Co. is adding six new houses to its greenhouse plant.

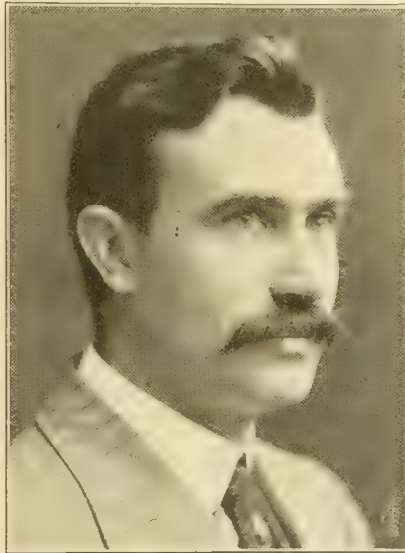
THERETAILED TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Standing Wreath.

SEE SUPPLEMENT WITH THIS ISSUE.

In making the standing wreath as well as the ordinary kind, or indeed as well as almost any floral design that may be mentioned, it will pay the florist to remember that an artistic arrangement is usually actually cheaper in cost than many an unsightly affair which has come from the hands of a poor designer. The well designed wreath will not be a solid mass of flowers. Less stock is used and a much better effect produced where the flowers are farther apart. The standing wreath of hard outline and stiff, erect "stem" must be avoided above all else. It is unnecessary to say, of course, that all the colors must be in harmony, those of the base matching those of the wreath itself or contrasting in an artistic way.



Wm. Duckham.

Manager National Flower Show,
New York, April 5-12.

Originality should be the aim rather than the following of any set arrangement. The flowers that may be used are numerous, including all the standard sorts for design work. Easter lilies, orchids, roses, carnations, gladioli, lily of the valley with leucothoe, adiantum, caladium leaves are all capable of being worked up into a most artistic wreath. In the supplement with this issue white carnations with lily of the valley and orchids make a wonderfully beautiful design.

Tree Blooms for the Florist.

No flower blooms that has not some beauty which is unveiled only to the minutely observant person, some peculiarity of structure fitting it to its place and purpose. It should be the aim of every florist to detect hidden beauties and discover elements of beauty in the blossoms of our trees. The earliest tree flowers to show themselves are those of the black alder, the graceful tassels of which may be seen hanging from the bare angular black branches of the alder along the borders of our streams. We all know the catkins of the willows—the

pussy willows. Of course March is the month of catkins. The catkin flowers are really, in the floral world at least, the "heralds of spring."

Often the maples come into bloom—the first usually being the scarlet maple, with its complete covering of brilliant scarlet flowers. It is a conspicuous and beautiful object and will be a valuable addition to the window display. Of the other maples the sugar maple is the most common—its flowers coming out at the end of pedicels from one and a half to three inches in length, drooping in clusters of a greenish yellow color. The striped maple, as a rule, is a very profusely flowered tree and the rather dark foliage with the lighter yellowish green of the flowers make a most delightful combination for the window. If labeled and made a center of attraction it will be as good an advertisement for the florist as can be imagined. If possible give a little data connected with each variety, giving the display an educational feature.

The oaks with their long loose catkins like ragged tassels or strings loosely strung with beads, the elms with their indeterminately colored flowers; the hazel and hop hornbeam (the catkins closely resemble one another except that the hazel is somewhat the longer); and the hickory with its slender unpretentious catkins are all flowers for April at the disposal of the florist. What could be more appropriate for a change than to devote a little time to the securing of something different for your show window, especially when you can have the opportunity of enhancing its beauty by combinations and effective backgrounds?

What beauty is found in the wild cherry blossoms with their long drooping clusters of small flowers! The June berry blossom with its pure white flowers of five petals stands out, with a delicate star-like beauty that is a delight to behold. This is especially fine for a display with a dark green background. By far the showiest of all our tree blossoms is the large flowered magnolia and not far behind it in the race for first place are the locusts. At about this time blossoms appear on the tulip tree, also known as whitewood or basswood, the flowers of which vie with real tulips in shape at least, if not in color. At this time the horse chestnut with its large pyramidal clusters of white golden hearted flowers also blooms. Can any one look at either of these flowers and say that they are not the equal in beauty of almost all of our best cultivated flowers and that they do not surpass some of them? And yet we almost never see them displayed in our florists' windows nor even used for decorations.

A good many of us see beauty only in that which we have been told is beautiful. It may be interesting to note that the horse chestnut was so named because of the spot where the leaf grows (which will show as you pick it off the branch). It is an exact image of the bottom of a horse's hoof even to the heads of the nails that hold the shoe on. The last tree to blossom in spring is the chestnut, with its long light brown fronds of feathery catkins, its blooms not appearing until late in June.

Lastly, of all the flowering trees, there are none that can equal in collective beauty the fruit trees in full bloom. There can hardly be anything more exquisite for the show window than a mass of pinkish-white blooms

of the apple, or peach, or plum tree. There are millions of forsythias, magnolias and dogwood in this beautiful country of ours, but not once in a hundred times are they used effectively. To make them most effective and get the full glory and wonder of them you must give them a background of evergreens or other dark green material—the darker the better. We should all discover the beauty in our tree flowers and become better acquainted with their value to us, making seasonable features of them for our displays and decorations.

A. E. K.

in the best of condition to continue the season in good shape. The greenfly very easily gets the upper hand of the plants now, owing to the warmer weather, and if not kept in check by the regular use of the insecticides your plants will shortly have a number of growth shoots that are twisted and curled at the ends with yellow tips to the foliage. The rapid growth of the plants at this time makes it necessary that a very close attention be paid to keep the shoots in order and the disbudding attended to.

month or five weeks before it will be safe to begin planting out into the field. Young plants that are now well rooted through the soil should be given another shift into larger pots to carry them through to planting out time without receiving any kind of a check. Plenty of ventilation should be given at all times and a gradual hardening off followed out to insure sturdy, hardy plants for planting out when the time comes. Cuttings still in the sand should be potted up as soon as they have made sufficient roots to enable them to grow into good stocky plants for planting out. One very important work with these young plants is that of topping or pinching out the tips of the main shoot to cause them to branch out freely. Care should be exercised in this operation to cause them to break evenly so that the plants will grow uniformly. Another very important item is to keep the weeds cleaned out as fast as they appear which they quickly will do in the fresh soil that the young stock is potted in.

C. W. JOHNSON.

Massachusetts Horticultural Society.

PRIZES AND GRATUITIES.

List of prizes and gratuities awarded at the spring exhibition of the Massachusetts Horticultural Society, March 14-16, 1913, was as follows:

PLANTS AND FLOWERS.

Azalea Indica, three plants, distinct varieties, for private growers only—A. W. Preston, first; Wm. Whitman, second.

Palms, pair—Weld Garden, first; Mrs. Frederick Ayer, second; Wm. Whitman, third.

Ericas, six plants, not less than three species—Mrs. Frederick Ayer, first.

Acacias, group of plants in bloom to occupy one hundred square feet—Mrs. Frederick Ayer, first.

Specimen plant in bloom—Weld Garden, first; Weld Garden, second.

Hard-wooded greenhouse plants, six specimens, other than azaleas, acacias and ericas—Weld Garden, first; Mrs. J. L. Gardner, second.

Group of roses, not less than twelve plants, open to commercial growers only—W. W. Edgar Co., first.



MOUNT GREENWOOD CEMETERY ASS'N EXHIBIT AT THE CHICAGO SHOW.

THE CARNATION.

The Young Plants.

Most growers have for the last few weeks been worrying along with lack of space to take care of the young stock in order to hold on to the flowering plants for the Easter business, and now that this is out of the way our thoughts turn to the question of more room for the young carnation plants or other stock as the case may be. The question of what to throw out to make this room should be governed by the condition of the plants and to the demand for the different varieties. We all know that with the passing of Easter the demand for red or the deep cerise colors diminishes to a large extent and the principal call is for the white and true pinks that have color tone enough not to fade quickly. The present condition of the plants we might say should be the most important factor in determining whether to hold on to them or not. Plants that were the first to come into bloom last fall and have been keeping it up continuously ever since are not very likely to show as good prospects for the future production of bloom as those that were later in getting started and consequently have not done so much.

We are now coming to the season when the supply of carnation blooms will be considerably greater than the demand. It is therefore to every grower's interest in figuring out his plans to hold on to such plants as show promise of giving the best returns. There are many details that need particularly close attention at this time to keep the flowering plants

To keep a check on the red spider give the plants a thorough syringing once or twice a week and ventilate all the time that the weather conditions will permit. After April 1 there are very few nights that will not allow some ventilation being carried on in houses all night. Also, in a very short time, it will be necessary to put on the glass a thin shade to protect the plants and flowers from the increased power of the sun.

The young plants for next season's planting should still continue to receive close attention to keep them in active growth; it will be another



THE GEO. WITTBOLD CO'S EXHIBIT AT THE CHICAGO SHOW.

Cyclamens, twelve plants—Mrs. C. G. Weld, first; Weld Garden, second; Mrs. J. L. Gardner, third. Six plants—Mrs. Lester Leland, first; Weld Garden, second; Mrs. C. G. Weld, third.

Cinerarias, grandiflora type, six plants—Mrs. J. L. Gardner, first. Stellata type—Wm. Whitman, first; Mrs. J. L. Gardner, second.

pet varieties, four pots—Wm. Whitman, first; A. W. Preston, second; Francis Skinner, third. Collection of short Trumpet varieties—A. W. Preston, first; Wm. Whitman, second. Short Trumpet varieties, four pots—Wm. Whitman, first; A. W. Preston, second; Francis Skinner, third. Two pans, two varieties, for amateurs only



FRANK OECHSLIN'S EXHIBIT AT THE CHICAGO SHOW.

Schizanthus, six plants—Mrs. Lester Leland, first; Weld Garden, second.

Hyacinths, six pans, six bulbs of one distinct variety in each—Wm. Whitman, first; Francis Skinner, second; Mrs. C. G. Weld, third. Single pan, ten bulbs of one variety—Mrs. C. G. Weld, first; Francis Skinner, second; G. van L. Meyers, third. Single pan, six bulbs of one variety—Francis Skinner, first; Wm. Whitman, second; A. F. Estabrook, third. Two eight-inch pans, two distinct varieties, for amateurs only—H. L. Rand, first; Miss M. A. Rand, second; Miss M. A. Rand, third.

Single early tulips, six pans, one distinct variety in each—Wm. Whitman, first; A. F. Estabrook, second; A. W. Preston, third. Any white variety, three pans—A. W. Preston, first. Mon Tresor, three pans—A. W. Preston, first; Wm. Whitman, second; A. F. Estabrook, third. Any other yellow variety, three pans—Wm. Whitman, first; A. W. Preston, second. Any red variety, three pans—A. W. Preston, first; Wm. Whitman, second; A. F. Estabrook, third. Kaiserkrone, three pans—Wm. Whitman, first; A. F. Estabrook, second. Pink Beauty, three pans—Mrs. J. L. Gardner, first; A. W. Preston, second; Wm. Whitman, third. Any other pink or pink and white variety, three pans—A. W. Preston, first. Duchess of Parma, three pans—Wm. Whitman, first; A. F. Estabrook, second. Two eight-inch pans, two varieties, for amateurs only—H. L. Rand, first; H. L. Rand, second; Miss M. A. Rand, third.

Double tulips, six pans, not less than three varieties—Francis Skinner, first; Wm. Whitman, second; A. W. Preston, third.

Narcissi, collection of large Trumpet varieties—Wm. Whitman, first; Wm. Whitman, second. Large Trum-

—H. L. Rand, first; Miss M. A. Rand, second; Miss M. A. Rand, third.

Crocus, three pans, one distinct variety in each—Mrs. J. L. Gardner, first; A. F. Estabrook, second.

Lily of the valley, six pots—Mrs. C. G. Weld, first; J. T. Butterworth, second; J. T. Butterworth, third.

Amaryllis, twelve pots, distinct varieties—Mrs. C. G. Weld, first.

Lilium longiflorum, six pots—Francis Skinner, first.

General display of spring bulbous plants, all classes, to be arranged with foliage plants—Mrs. J. L. Gardner, first; Mrs. J. L. Gardner, second.

Orchids, group of plants arranged for effect—H. B. Dane, first. Specimen plant—W. A. Manda, first; Mrs. Lester Leland, second; Weld Garden, third.

Roses in vases, collection of not less than four varieties, twelve blooms each—W. H. Elliott, first. Twenty-five blooms of Richmonds—W. H. Elliott, first. Twenty-five blooms of Killarney—Waban Rose Conservatories, first; W. H. Elliott, second. Twenty-five blooms of Lady Hillingdon—W. H. Elliott, first. Twenty-five blooms, any pink variety—W. H. Elliott, first. Twenty-five blooms any new named variety—Waban Rose Conservatories, first.

Carnations, vase of one hundred cut blooms of one variety with foliage—A. A. Pembroke, first; A. A. Pembroke, second. Fifty blooms, any named crimson variety—W. R. Nicholson, first; Scott Bros, second. Fifty blooms, any named dark pink variety—A. A. Pembroke, first; S. J. Goddard, second. Fifty blooms, any named Winsor shade pink variety—A. A. Pembroke, first; S. J. Goddard, second. Fifty blooms, any named Enchantress-shade pink variety—S. J. Goddard, first; Strout's, second; A. A. Pembroke, third. Fifty blooms, any named white variegated variety—A. A. Pembroke, first; S. J. Goddard, second. Fifty blooms, any named white variety—A. A. Pembroke, first; Strout's, second; A. A. Pembroke, third.

Violets, bunch of one hundred blooms of any double variety—Ed. Bingham, first. Bunch of one hundred blooms of any single variety—Ed. Bingham, first.

Sweet peas, fifty sprays, any white variety—Wm. Sim, first. Fifty sprays, light pink—Wm. Sim, first. Fifty sprays, dark pink—Wm. Sim, first. Fifty sprays lavender—Wm. Sim, first.

Antirrhinums, vase of twenty-five spikes—F. W. Fletcher, first; James Wheeler, second; G. E. Buxton, third.

Best table decorated, laid for six covers—Mrs. Duncan Finlayson, first; Wax Brothers, second; Henry R. Comley, third.

Gratuities—Knight & Struck Co., display of hard-wooded plants; F. J. Dolansky, display of gardenias and orch-



WENDLAND & KEIMEL'S FIRST PRIZE VASE PRINCE DE BULGARIE ROSES AT THE CHICAGO SHOW.

ids; M. A. Patten, carnation Princess Dagmar; M. A. Patten, vase of carnations; Strout's, display of carnations; James Wheeler, vase of carnations; A. N. Pierson, display of rose Milday and Adiantum Farleyense; F. W. Fletcher, antirrhinums; Mrs. E. M. Gill, display of cut flowers; T. T. Watt, display of cut flowers.

mens in flower were recently shown in London by James Veitch & Sons, Chelsea, and attracted much attention; so much so, in fact, that a first-class certificate was awarded by the floral committee. The plants were shown as nice bushy specimens in 5-inch pots and were laden with arch-sprays of pure white, broadly funnel-

and this accounts for the other name of cyaneus under which the plant is also known. *E. reticulatus* seems to be quite easily grown, and as a cool greenhouse plant it deserves attention. In warm sheltered spots it would no doubt prove quite hardy, and in many parts of the United States it should grow freely in the open air. It flourishes in a compost of loam and peat with a dash of sand, and is readily raised from cuttings of the half-ripened shoots inserted in sandy soil in a gentle bottom heat. It may be also raised from seeds, but these are apparently not so satisfactory for flowering purposes. On the whole this tillaceous shrub with its purplish stems, ornamental leathery leaves and profusion of dainty fringed white flowers is one that deserves attention from the florist's point of view.

A New Loganberry.—When Judge Logan of the United States raised the fruit that bears his name, he probably never thought that he was opening the door to great possibilities that might arise from mixing the blood of raspberries with that of blackberries. In England we now have in addition to the Loganberry proper other fruits called the "Lowberry" and "Laxtonberry"—both obtained from crossing the Loganberry with varieties of raspberry, and both very excellent fruits. Now we have quite a new break under the name of the "Newberry." This is the result of crossing the Superlative raspberry with the pollen of the Loganberry, and a wonderfully fine fruit has been the product of such a marriage. Whitelegge & Page of Chislehurst, Kent, are placing the novelty on the market. From some specimens exhibited in London it was noted that the stems, stout and vigorous, attained a length of about 24 feet, and carried from 200 to 300 fruits on some 50 to 60 sprays. Each fruit when fully developed is a good 2 inches in length, much larger than the best Loganberries I have seen, and of a deep claret purple when ripe. The flavor is excellent and quite



POEHLMANN BROS. CO.'S FIRST PRIZE VASE AMERICAN BEAUTY ROSES AT THE CHICAGO SHOW.

Silver medals—Peter Fisher, carnation Gorgeous; Wm. Sim, display of pansies; Wm. Sim, artistic display of violets.

Cultural Certificate—Wm. Sim, sweet peas.

Honorable Mention—F. R. Pierson Co., display of *Nephrolepis* varieties.

FRUITS.

Best collection of winter apples, not less than four varieties—Elliott & H. Ward Moore, first; C. H. Leach & Son, second; Geo. V. Fletcher, third. Best dish of winter apples—L. F. Priest, first; L. F. Priest, second; C. H. Leach & Son, third.

Gratuities—Charles W. Mann, display of apples; H. A. Clark, basket of Sutton apples.

VEGETABLES.

Lettuce, four heads—Geo. D. Moore, first; J. J. Lyons, second; J. W. Stone, third.

Mushrooms, twelve specimens—Mrs. C. G. Weld, first; A. W. Preston, second.

Radishes, four bunches of twelve each—J. W. Stone, first.

Tomatoes, twelve specimens—A. W. Preston, first; A. W. Preston, second.

Gratuities—H. R. Comley, variegated kale; Mrs. M. W. Chadbourne, Jerusalem artichokes; Frank Wheeler, rhubarb; David R. Craig, rhubarb; J. W. Stone, rhubarb; Rittinger Fruit Co., market baskets of lettuce and beets.

Plant Notes From England.

Elaeocarpus Reticulatus.—The genus *Elaeocarpus* belongs to the lime tree family but is practically unknown outside botanical collections at present. The species under notice, however, may help to bring the genus into more prominence, as it is really a lovely plant. It is a native of Australia, where it is said to attain a height of 15 feet. Some very charming speci-

shaped flowers. These remind one very forcibly of those of the pretty little *Soldanella alpina* in shape, owing to the fact that the petals are cut into a pretty fringe for about one-third of their length. In general appearance the plant resembles the tea plant in the foliage, but is not quite so glossy, and is more conspicuously veined. This last characteristic accounts for the specific name *reticulatus*. The fruits which succeed the blossoms under favorable conditions are of a rich bluish purple when ripe,



POEHLMANN BROS. CO.'S FIRST PRIZE KILLARNEY QUEEN ROSES AT CHICAGO SHOW.

free from that acidity and tartness that many consider a great drawback to the Loganberry. The core that is such a feature of the latter fruit is conspicuous by its absence from the "Newberry," an important consideration from a dessert and preserving standpoint. As each plant has about seven long fruiting stems each year, and bears about 21 pounds of fruit, it is easy to reckon that 1,000 plants

a purplish sheen on the wings; and Rosabelle, a fine deep crimson.

New Larkspurs.—At one of the summer shows of the Royal Horticultural Society in London last season Kelway & Son, of Langport, Somerset, and their neighbors, Blackmore & Langdon, Twerton Hill, Bath, both had a fine show of perennial Larkspurs. These plants are very popular in England, not only among private growers,

received an award of merit. It is just the opposite of Drake, being a deep Oxford blue in color. Blackmore & Langdon obtained an award of merit for their fine double flowered deep blue "Harry Smetham," the brilliancy of which was accentuated by a soft purple sheen overspreading the petals, or rather the sepals, to be botanically correct. The spikes were fine and full, and had over 60 flowers open at once on them. Moerheimi is one of the best of the pale delphiniums, the blooms being almost white, just relieved by a very faint shade of blue. Novelty is a good semi-double deep blue; Elsie, a light blue, and Perfection, a fine blend of pale blue on the outer row of sepals, the inner ring being a peculiar shade of rose lavender.

Fine Gaillardias.—The perennial gaillardias always make their appearance with the month of June, and each year they seem to be getting bigger in bloom, purer in color and longer and stronger in the stem. At least this was what struck me when I saw a fine exhibit of these plants at a show held by the Royal Horticultural Society in London last summer. One of the very finest and purest of yellows is Lady Rolleston with a tinge of orange in the center. It has sturdy upright stems from three to four feet high, and is a flower for the cut flower trade, as it lasts so well in water. It seeds with great freedom, but, like many other florist's flowers, it cannot be relied upon coming true to name. In this case, however, this is a blessing rather than a misfortune, for some of the progeny are particularly fine youngsters and superior in many ways to the parent. One of the best seen in W. & J. Brown's exhibit from Stamford, Lincolnshire, was The King. The blooms of this were superb, being of a deep and brilliant crimson for the most part, with bright golden-yellow tips to the ray florets—a contrast in color that could not fail to arrest attention. Another grand seedling from Lady Rolleston was Lady Exeter, with flowers of clear yellow having a distinct crimson center scarcely impinging on the base of the florets. W.



POEHLMANN, BROS. CO.'S FIRST PRIZE VASE RICHMOND ROSES AT CHICAGO SHOW.

on an acre of ground, if properly cultivated, would produce about nine tons of fruit annually at very little expense. At the rate of only £10 per ton (a shade over 2 cents a pound) a revenue of £90 an acre per annum is not to be despised in these days. As the plants are best grown by training to horizontally stretched wires, it would of course be possible to secure catch crops of vegetables from between the rows, thus raising the gross returns to a much higher figure.

Sweet Peas.—At the Royal Horticultural Society's Show in the summer of 1912 there were several fine exhibits of sweet peas, notably those from Sutton & Sons, Reading, and E. W. King, Coggeshall, Essex. The first named firm had a glorious bank of flowers 60 to 70 feet in length, and containing about 100 different varieties, all from the open air. Apart from the size and beauty of the blossoms, the great length of the stems was a conspicuous feature. In most cases these were from 18 inches to 2 feet long, an advantage that all exhibitors will at once recognize of the greatest importance. Some of the most striking varieties were Dorothy Tennant Spencer, a deep mauve; Prince George, a fine blend of rose and cerise; Coronation, rose and salmon; Southcote Blue, a very distinct shade of blue with a purple sheen, although the individual blooms were somewhat smaller than the general run; Doris Usher, a fine rose color with particularly long stems; Thomas Stevenson, cerise; Earl Spencer, a beautiful bright warm salmon rose color; and Moonstone, one of the sweetest and softest lavender blues. In — King's collection were to be noted the new Anglian Pink, a fine cerise pink; Anglian Light Blue, deep lavender; Anglian Crimson, deep crimson with

largely in them in the spring as "roots" but also among the trade who deal and during the summer as cut flowers. Single and double varieties seem to be about equally popular, and the individual blossoms of some varieties are now nearly 3 inches across. One such is "Drake" shown by Kelways, and it received an award of merit. It is a beautiful Cambridge blue with conspicuous small white petals in the center. Another new variety shown by the same firm is "Tagalie" (the name of the Derby winner) which also



A. N. PIERSON'S VASE OF MILADY ROSES AT THE CHICAGO SHOW.

Public and Private Grounds.

DESIGN AND CHOICE OF SITE.

Paper read by Arthur A. Shurtleff before the Massachusetts Horticultural Society, Boston, Mass., February 15, 1913.

A public park or private estate should be accessible readily by road and rail not only to those who are to frequent the land for pleasure purposes, but also to those who are to furnish labor and materials. The pub-

is from ten to twenty times that of ordinary earth excavation. Outcrops of ledge which furnish stone for buildings or road foundations, or which add picturesqueness to the landscape are to be highly prized.

Boundary lines should be free from jogs and offsets, and should embrace all land needed for the development of immediate landscapes, and for the control of distant outlooks. Park

quality is very precious because it renders possible cheap roads, cheap concrete, dry cellars, and ready sewerage disposal, although on the other hand, grass and trees may suffer for lack of water in such ground. A heavy clay soil may be endured for its economic uses and for the good grass which it generally produces. The top soil or loam should be deep and a liberal supply of yellow loam should lie beneath it. This combination with adequate rainfall, furnishes the mainstay of all vegetation. Light cultivation under such conditions will bring good soil speedily into bearing, but heavy cultivation extending over a period of years is often required to bring a thin soil into a productive condition. A liberal water supply must be obtainable within easy pumping distance of the building sites and the young plantations. For ordinary economic uses, water should be free from hardness to insure ready solution of plant food and saponification. Drinking water should also be free from organic matter.

Land for a public park or private estate should be chosen with consideration of the appearance as well as the condition of its woodlands, meadows, brooks, ponds, and fields. These features are the materials of scenery, and they must compose or be capable of composition into landscapes pleasing to the eye. If the land of your choice fulfills all severely practical requirements, and at the same time possesses fine landscapes, your search has been well rewarded, and you may undertake problems of design and construction with the assurance that no unforeseen topographical difficulties can thwart you. Problems of design are difficult in themselves, and they need for their best solution all the initial assistance which topography, soil exposure, and landscape can provide. Design should aim to render the territory highly convenient and useful for the special purposes of the park or private estate with the least first cost and with the least cost of maintenance. Good design would miss its aim did it not preserve and create appropriate and attractive landscapes—landscapes in which roads, buildings, fields, woodlands, water, bridges, and all other elements enter without affectation to form compositions pleasing to the mind and to the eye.



WIETOR BROS.' PRIZE VASE WHITE KILLARNEY ROSES AT THE CHICAGO SHOW.

lie will not visit a park which is inconveniently situated—a half mile walk or a five-cent fare cannot be exceeded without grave danger that, as the novelty of the park wears off, pleasure seekers will forsake its precincts altogether. Although the choice of a private estate is involved to a less degree by considerations of distance from the city, the owner must carefully weigh this factor to determine how many hours of his life and how much of his income he will devote to mere travelling. The transportation and cost of labor and of materials is also to be reckoned with as a large item both in the first period of construction and in the final budgets of up-keep.

Breezy northern slopes are desirable for grounds which are to be used only in summer, but for winter enjoyment, southern slopes and protection from the wind are essential. In cold weather furnaces and artificial light cannot bring cheer to a building placed on a site deficient in sunlight and unduly exposed to the wind. Likewise, electric fans and awnings are poor makeshifts for the breezes and the shade of trees which afford natural relief from summer heat. The slope of the grounds should not be so steep or so wanting in contour as to prevent the construction of roads of moderate gradient between points of strategic importance. These gradients should be tested carefully with an instrument not only to learn their steepness, but to make possible the preparation of a general working plan for pleasure and service roads.

The grounds should be carefully examined to discover the presence of rock. If ledge occurs where roads are to be built or cellars excavated, serious items of expense will be involved. The cost of removing ledge

margins should be carefully adjusted to the contour of the ground in order to permit the construction of boundary roads of moderate gradient. Such marginal roads not only assist in policing the park, but they insure the orderly development of adjoining private property by forcing the nearest buildings to face, rather than to back upon the public land.

The nature of the soil should be studied both upon the surface and at a depth (by means of test pits dug for the purpose), to ascertain its water holding capacity and the size of its aggregate. A sandy or gravelly



WIETOR BROS.' PRIZE VASE AMERICAN BEAUTY ROSES AT THE CHICAGO SHOW.

Detroit.**MARKET ERRATIC.**

Trade during the past week was quite erratic, starting with Monday which, notwithstanding the fact that it so closely followed the Easter feast of flowers, was a good day with everyone. This activity of trade alternated with slow days throughout the week. To meet this condition the market was overloaded with great quantities of roses, carnations, sweet peas and bulbous stock of all kinds. Some fine flowering plants, too, were seen that failed to move at Easter and had no better success this week. Local growers, as they read the reports of the great destruction to greenhouse property

from Sunday morning to Wednesday was 6.97 inches. The assistance of the public has been prompt and liberal, but conditions are still bad. All social entertainments have been called off. Some of the dealers have not sold five cents' worth of stock in the last three days. All florists in the flooded district have the sympathy of the trade and will be helped in every way possible.

NOTES.

The Riverside Floral Co. had its boilers covered with water, but the flood receded in time to fire for the cold weather which followed.

S. F. Stephens and family of

Omaha, Neb.

Mrs. E. W. Arnold, florist, was laid to rest Sunday. Mrs. Arnold leaves one son in Denver, and two daughters, Mrs. Dowdall of Chicago and Mrs. L. Rabor of this city. L. Rabor, the son-in-law, is running the greenhouse and store on Sixteenth street. The florists were well represented at the funeral and gave a beautiful floral offering.

Thousands of strangers are visiting Omaha to see the work of the tornado. The daily papers claim we had 25,000 visitors from out of town in one day. Rebuilding is going on everywhere and the least damaged houses will soon be patched up, but the trees will tell the story for the next 15 years.

Last week the florists were all very busy on account of so many funerals.

J. J. Hess intends to leave for New York April 3.

GRIPPE.

Worcester, Mass.**BEST BUSINESS YET.**

The amount of business done by Worcester florists this Easter will go on record as the "best ever," being 25 per cent better than other years. Everything went well, especially lilies, which were sold out by Saturday noon. Violets, lily of the valley and gardenias also sold well. With the exception of Thursday, the weather was ideal.

NOTES.

H. F. A. Lange and H. F. Littlefield both held exhibitions at their greenhouses Palm Sunday. The exhibitions were attended by hundreds of flower-loving people.

George McWilliam of Whitinsville has been selected as a judge for the Third International Flower Show, Grand Central Palace, New York. R.

Philadelphia Florists' Club.

H. Van Teyling's talk on Darwin tulips was the feature of the April meeting of the Philadelphia Florists' Club. The speaker, who lives in Hille-gum, Holland, gave a very animated and descriptive view of the tulip industry in his native country. He was particularly impressed with the Darwin and other late-flowering varieties, for which he predicted a great future.

Charles Meehan gave a very interesting talk on the Panama canal, Costa Rica and Jamaica, where he recently spent a month. He described the flora of these countries as very beautiful, and was much impressed with the work on the canal. A committee was appointed to consider the raising of funds to help the stricken florists of the middle west.

K.



HANS JENSEN AND HIS DEMOLISHED GREENHOUSES.

through the country by flood and storm, are feeling happy over their fortunate escape from a similar fate, though many of them saved their houses only by heroic work, and nearly everyone lost many lights of glass by the windstorm of March 21. Their appreciation of their own good fortune, however, is tinged with sympathy for the victims of the elements.

NOTES.

Ant. C. Zvolanek, Lompoc, Calif., on his way to the National Flower Show, New York, visited the trade here Thursday and Friday of last week. He was so highly pleased with the new carnation Philadelphia as he saw it growing at the originator's place that he said if he were a carnation grower he would devote his whole place to that variety.

The National Flower Show visitors from here include E. A. Fetters and wife, C. H. Plumb and wife, A. Poche-lon, Philip Breitmeyer, Fred Breitmeyer, Norman Sullivan, E. A. Beard and Robt. Rahaley.

J. F. S.

Columbus, O.**BUSINESS COMPLETELY PARALYZED.**

Since the last report the sunny skies have turned to a black pall overhanging a sorrowing city. The gladness of Easter Sunday was followed by breaking hearts on Monday. With the entire West Side, from the State hospital to the Scioto river, under water that tore at the houses and carried many of them away, business has been completely paralyzed. The loss of life is enormous, and to this can be added the property loss which will run far into the millions. The city is without water, heat or light, and is under martial law. Guardsmen patrol the flooded district with orders to shoot all looters. The total rainfall

Greenlawn Cemetery were taken from their home in boats. The greenhouse was filled with water.

The boiler rooms of the Livingstone Seed Co. and the Fifth Avenue Floral Co. were flooded with water but no damage was done.

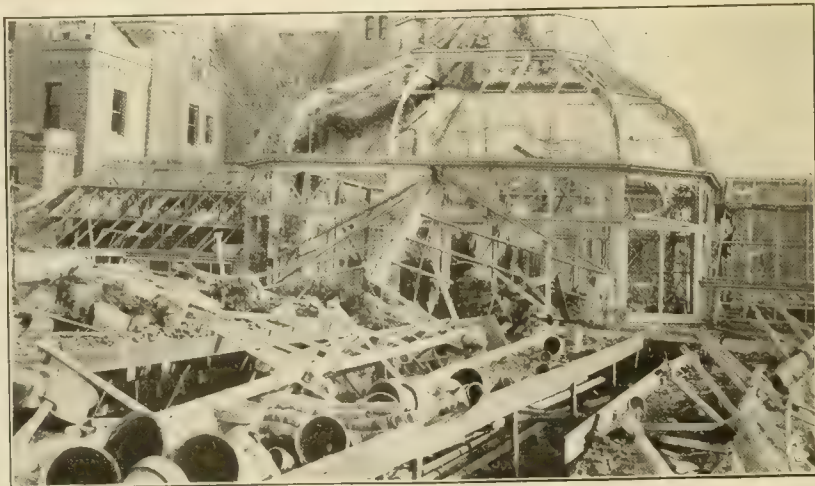
Wm. Brust suffered a complete loss, the building in which he had his store being swept away by the water.

Owing to the high waters and crippled telephones no word can be heard from many of the florists.

The greenhouses of Chas. Buehler were completely submerged by the waters.

The Munk Floral Co. suffered no damage.

L. S. B.



WRECK OF GEO. JOSLYN'S BEAUTIFUL CONSERVATORIES.



Society of American Florists.

SOME CONVENTION CITY HISTORY.

Delegates to the convention of the Society of American Florists will find in Minneapolis and St. Paul, to all practical appearances, a single community of approximately 600,000 inhabitants. The limits of the Twin Cities merge. The majestic Mississippi river flows through both cities. Four interurban car lines connect the two and their centers are only fifty minutes' ride from each other. The passenger on these cars does not know when he has crossed the line of one city and entered into the other, so like are they in appearance and in practically every other feature.

The strategical advantage of the location of these cities was recognized by the United States government as early as 1819, in the establishing of Fort Snelling, under the shelter of which the early trading was carried on. This fort, which looked on the confluence of the Minnesota and Mississippi rivers, in a most beautiful natural setting, has become one of the six great military posts in the country. The commerce established in the early days of the winning of the great Northwest has grown to enormous proportions and has resulted in the building of two of the most progressive large cities in the country.

The first white men known to have visited the site of St. Paul and Minneapolis were Grosseilliers and Radisson. In August 1659, with a company of Indians they passed up the Mississippi river, crossing to Lake Superior. The two most noteworthy explorers connected with the history of the Twin Cities were Hennepin and Nicolet. Louis Hennepin, a Franciscan missionary, was a member of the La Salle expedition of 1682. Hennepin and his companion were captured by Indians, who brought them up the river to the vicinity of the present city of St. Paul, removing them later to a point in Northern Minnesota. They were soon liberated, and on the return voyage Hennepin passed the Falls of St. Anthony, to which he gave this name in honor of his patron saint. Hennepin, therefore, was the real discoverer of Minneapolis, for this city owes its existence to St. Anthony Falls, which were harnessed and made to turn the first factory wheels of this present great manufacturing town.

The question of suzerainty over lands east and west of the Mississippi played an important part in the establishment of Minneapolis and St. Paul. It was in

1837 that Governor Dodge's treaty opened the way for settlement east of the Mississippi, while the country west of the Mississippi was not secured until 1857. Until that year, the site of Minneapolis was a part of the Fort Snelling military reservation, and though it was most advantageous for settlement the whole region about it was retarded in development until practically all the rest of Minnesota had been opened to the immigrant.

This order of events led to the settlement of St. Paul on the east side of the river in 1838. By 1851, when the first settlement was opened on the west side of the river, St. Paul had made such progress that the growth of another great city nearby seemed impossible. Hudson, in his "A Half Century of Minneapolis," declares "that if conditions had made possible the establishment of the first settlement on the logical site between the fort and the Falls of St. Anthony, St. Paul might not have attained its present importance." For many years, the growing American Northwest looked to St. Paul for all of its supplies. In the early days the merchandise was freighted from the east by the way of the Ohio and Mississippi rivers. The hunters, trappers and pioneer farmers of the state and Northwest, brought their products to St. Paul, which had become a progressive community with promise of a brilliant future as a merchandising and transportation center.

Notwithstanding the retarding influences of the early government of this empire, the rise of Minneapolis to its present position of importance was decreed in the pre-historic glacial days when the Falls of St. Anthony were formed. The city did not come by this prestige through any accidental or artificial means. When a rush of water from the North encountered a rocky ledge 250 miles from its beginning, it marked the site of Minneapolis and determined its destiny. Other cities could have served as distributing centers for supplies, but the presence of the tremendous energy of the Falls of St. Anthony provided for the great manufacturing city that Minneapolis is today.

In the rise of Minneapolis is found one of the most remarkable instances of city building in history. In a little more than half a century, Minneapolis has advanced from an obscure frontier village to a conspicuous place among American cities—the metropolises of the great American Northwest, an empire exceeding in extent the combined areas of France, Germany and Great Britain.

An important industrial district, commonly referred to as Midway, grew up between Minneapolis and St. Paul. St. Paul is the capital of the state of Minnesota; Minneapolis the seat of the state's great university. Between them

lie the grounds of the historic Fort Snelling and of the Minnesota State Fair. A system of public parks has been developed, with a combined area of approximately 5,000 acres. Together the park boards of the two cities control both banks of the Mississippi river from the heart of Minneapolis to the fort. This is the only part of this great river where both banks are dedicated to the perpetual enjoyment of all the citizens. In past years there have been outcroppings of city jealousy, but in later years St. Paul and Minneapolis have come to realize that their interests are in common and they do not disagree upon any important problem. Visitors to the Twin Cities find in them much of natural beauty to admire and much of past and modern history to interest.

Nashville Notes.

Thomas Joy of the Joy Floral Co. said that his army of clerks had had all they could do in waiting on the Easter trade. The vast shelving which had been filled with choice plants of all kinds had been thinned out to a mere skeleton and still buyers were numerous. As a novelty they had beautiful blooming white lilac and handsome specimen rhododendrons decorated with exquisite taste. A goodly showing of out-of-town orders helped dispose of the large stock.

McIntyre Bros., in their new West End store, were doing a large business. They too had to bring in extra help to handle the trade. They have a small greenhouse some thirty feet square right on the street and this was filled with beautiful plants and attracted a great deal of attention from the passers by. They have liveried delivery men, which is an innovation here.

Haury & Sons had a magnificent display of potted plants, largely lilies, though they had many other varieties of flowers. Their sales were tremendous and the firm members were smiling and happy.

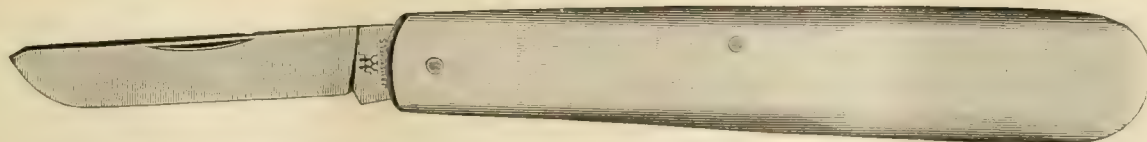
Geny Bros. declared that with all the increasing competition they did the biggest Easter business in their history. In fact they said they had virtually cleaned up everything.

M. C. D.

Omaha Storm Ravages.

The accompanying illustrations show the work of the cyclone Easter night at the greenhouses of Geo. Joslyn and Hans Jensen, Omaha, Neb. Mr. Joslyn's conservatories were called the most beautiful in Omaha and contained many rare and valuable orchids, palms and other tropical plants. He estimated his loss in orchids alone at \$15,000. Mr. Jensen's loss was complete, everything being destroyed beyond hope of repair.

This Budding Knife Free



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employees. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of Ivory has been advanced recently.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

**THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO**

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SPRINGFIELD, O.—Geo. D. Leedle advises us that all florists' stocks are unharmed by the floods in this vicinity and that mail and express are going forward promptly.

NICOTINE products of all the kinds used for fumigating under glass are scarce and almost unobtainable. Prices have advanced and the federal insecticide law is responsible for part of the advance.

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements should be carefully preserved as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue, as otherwise they may miss some of this high-grade work.

Society of American Florists.

The adjourned meeting of the society will be held in the lecture room in the new Grand Central Palace at the time of the International Flower Show, as follows: Monday, April 7, at 10:30 a. m.; Thursday, April 10, 10:30 a. m.

JOHN YOUNG, Sec'y.

National Council of Horticulture.

The second installment of articles for 1913 issued by the National Council of Horticulture, contains the following: "Vegetables for City Backyards," "The Soil Plants Like," "How Not to Sow Seed," "High Living at a Low Cost." These timely and practical articles are issued to nurserymen, seedsmen, florists and the editors of local papers, and can be obtained upon application to the secretary, James H. Burdett, 1620 West 104th place, Chicago.

McFarland Publicity Service.

Jefferson Thomas, vice-president and manager of the McFarland Publicity Service, has resigned his position to take up the broader field of agricultural and general advertising with the Eugene McGuckin Company, Philadelphia, Pa., as manager of the sales promotion department. Fred E. Rowe, who has been chief confidential assistant of the McFarland Publicity Service for the past two years, will succeed Mr. Thomas in this business. J. Horace McFarland giving to its extension his increasing personal attention.

New York State Greenhouses.

FOR EXPERIMENTS IN FLORICULTURE.

I have just been advised by Wm. F. Kasting that a bill authorizing an appropriation of \$60,000.00 for greenhouses at Cornell University, to be used in experimental work in flowers and vegetables, is very likely to pass the senate. On behalf of the legislative committee of the New York Florists' Club, I would urge every florist in the state of New York to write to his senator at once urging him to vote for the bill. I would also urge all florists to write to Governor Wm. Sulzer, Executive Mansion, Albany, urging that he sign the bill. Stress should be laid on the fact that the florists want this appropriation, for the better development of horticulture in the state of New York, and that if the Empire state is to hold her prestige as a flower producer in competition with other states, it is essential that this bill be passed and become a law.

PATRICK O'MARA.

National Association of Gardeners.

BOWLING TOURNAMENT.

Entries to the bowling tournament of the National Association of Gardeners, which will be held on Thum's alleys, Broadway and 31st street, New York, on Wednesday, April 9, must be filed with the secretary of the association not later than nine o'clock on the morning of the tournament. To facilitate completing arrangements, those intending to participate are earnestly requested to file their entries at once, sending them to M. C. Ebel, secretary, Murray Hill hotel, Park avenue and Fortieth street, New York, which will be the headquarters of the association during the show week. The secretary will be found at the hotel daily from 8 o'clock to 10 o'clock in the forenoon, during the show week, except Wednesday, on which day he will be at Thum's alleys. No entries will be accepted after the tournament opens at 9 o'clock on the forenoon of April 9.

Teams of three men, members of a local gardeners' or florists' club, and members in good standing either of the N. A. G. or S. A. F. will be eligible in the team tournament. One team only can be entered from any local club or society. All members in good standing of the N. A. G. or S. A. F. are eligible in the individual bowling tournament. Team bowlers can enter by waiving their team scores from counting in the individual tournament. Rules governing the tournament will be posted at the N. A. G. and S. A. F. headquarters in New York city on April 7 and 8, and on Thum's alleys during the tournament. A long list of prizes has been secured in which are included many valuable trophies.

American Carnation Society.

On account of the flooded condition of a large territory around Indianapolis, Ind., which is making mail deliveries very uncertain and in some directions impossible, it would be well for all those who are entering the competition in the carnation classes at New York to bring a list of their entries along to the show with them. Your entries may reach me at Indianapolis, and if they do I will have your entry cards made out, but should they not reach me it would be a great help if you have a list with you.

Please also note that sections A, B, C, D, G and classes 43 and 45 will stage April 8. Classes 42, 44, 46, 47 and 48 will be staged April 10. Through an error in printing the schedule for the entire show, classes 43 and 45 were included with the April 10 staging. Our classes 43 and 45 appear as classes 441 and 443 in the National Flower Show schedule. Entries in Section E may be staged at any time during the carnation show. We are planning to leave Indianapolis Saturday evening, April 5, and expect to arrive in New York Sunday evening at 5 p. m. Any mail which is not certain to reach Indianapolis by Saturday morning should be addressed in care of Hotel Manhattan, New York.

In the Dorman Memorial Medal class no medal will be awarded this year. Only a preliminary competition will be conducted, for which 50 blooms are required. Bring with you the pink slip, which was sent you along with the receipt for your dues. Without it you will be unable to get your season ticket to the show. A. F. J. BAUR, Sec'y.

OBITUARY.

Frank Banning.

Frank Banning of Kinsman, O., a well known florist and landscape gardener, died recently at the age of 53 years. Mr. Banning was famous as a gladiolus specialist and also as a philanthropist. He obtained a gift of \$7,000 from Andrew Carnegie for a public library at his home town and gave \$6,000 himself toward the same project.

George W. Reigle.

George W. Reigle, Madison, Wis., president of the Dane County Horticultural Society, died March 20, aged 64 years. He had been in poor health for a period of two years. He was prominent in the horticultural circles of his homestate and in the Dane County Agricultural Society. He is survived by a widow and one son.

Myron H. Mills.

Myron H. Mills died at his home in Binghamton, N. Y., March 15. He was one of the pioneer florists of his town, but had retired from business several years ago. He was 87 years of age. Three daughters survive him.

New York Hotels.

Hotel Martiniue will be S. A. F. Headquarters.		
	Single Room	Double Room
	One Person	Two Persons
HOTEL.		
Martiniue, Broadway and 32nd St.	\$2.00 up	\$3.00 up
Woodstock, West 43d St. near Broadway	2.00 up	3.00 up
Astor, Broadway and 43d St.	2.50 up	*4.00 up
McAlpin, Greeley Sq. and Broadway	1.50 up	
\$1 for each extra person.		
Manhattan, 42d St. and Madison Ave.	2.50 up	4.00 up
Imperial, Broadway and 32d St.	2.00 up	3.00 up
Grand Union, 42 St., Grand Central Station	1.00 up	2.00 up
Grand, Broadway and 31st St.	1.50 up	2.00 up
Prince George, 5th Ave. and 28th St.	2.00 up	3.00 up
Cadillac, Broadway and 43d St.	1.50 up	
York, 7th Ave. and 36th St.	1.50 up	
Wolcott, 31st St. and 5th Ave.	2.00 up	5.00 up
Murray Hill, Park Ave. and 40th St.	2.00 up	3.00 up
Holland, 5th Ave. and 30th St.	2.00 up	5.00 up
Bristol, 122 West 49th St.	1.00 up	1.50 up
Earle, 103 Waverly Place.	1.50 up	
10% discount to florists, American and European plans.		
Herald Square, 34th St. and Broadway	1.50 up	2.50 up
Chelsea, W. 23d St.	1.50 up	
Except as stated, all these hotels are conducted on the European plan.		
*\$3.50-\$2.50.		

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC..

of THE AMERICAN FLORIST, published weekly at Chicago, Ill., required by the Act of August 24, 1912.

NOTE—This statement is to be made in duplicate, both copies to be delivered by the publisher to the postmaster, who will send one copy to the Third Assistant Postmaster General, (Division of Classification) Washington, D. C., and retain the other in the files of the post office.

Editor and Business Manager.—Michael Barker, 440 South Dearborn Street, Chicago, Ill.

Publisher.—American Florist Company, 440 South Dearborn Street, Chicago.

Owners: (If a corporation, give names and addresses of stockholders holding 1 per cent or more of total amount of stock.)—Estate of E. Asmus, W. Hoboken, N. J., M. Barker, 440 S. Dearborn St., Chicago, Ill.; W. Atlee Burpee, 485 N. Fifth St., Philadelphia, Pa.; John Burton, Wyndmoor, Mont. Co., Pa.; J. D. Carmody, Evansville, Ind.; W. W. Coles, Maple Hill Rose Farms, Kokomo, Ind.; Robt. Craig, 49th and Market Sts., Philadelphia, Pa.; J. B. Deamud, 160 N. Wabash Ave., Chicago, Ill.; James Dean, Freeport, L. I., N. Y.; Emresia J. Dickey, care of Byron Reed Co., 212 S. 17th St., Omaha, Neb.; Wm. Falconer, Allegheny Cemetery, Pittsburgh, Pa.; Halliday Bros., 11 E. Baltimore St., Baltimore, Md.; Maggie Harris, 55th and Springfield Ave., Philadelphia, Pa.; Edwin Lonsdale, Lompoc, Calif.; Estate of F. R. Mathison, Waltham, Mass.; John N. May, Summit, N. J.; F. R. Pierson, Tarrytown on Hudson, N. Y.; Isaac D. Sailer, 1524 Chestnut St., Philadelphia, Pa.; Estate of Louise Schiller, 2207 W. Madison St., Chicago, Ill.; H. A. Siebrecht, New Rochelle, N. Y.; W. J. Stewart, 11 Hamilton Pl., Boston, Mass.; J. C. Vaughan, 31 W. Randolph St., Chicago, Ill.; Annie G. Whitnall, 4001 Harvard Blvd., Los Angeles, Calif.; C. B. Whitnall, 026 Locust St., Milwaukee, Wis.

Known bondholders, mortgagees, and other security holders, holding 1 per cent or more of total amount of bonds, mortgages, or other securities.

There are no bonds, mortgages or other securities outstanding against THE AMERICAN FLORIST.

AMERICAN FLORIST COMPANY.

Michael Barker,

Business Mgr.

Sworn to and subscribed before me this 28th day of March 1913.

ALBERT L. KOEHLER, Notary Public.

[SEAL.]

(My commission expires May 2, 1916.)

Meetings Next Week.

Baltimore, Md., April 7, 8 p. m.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, St. Paul and Franklin streets.

Butte, Mont., April 11.—Montana Florists' Club, Columbus Gardens. S. Hansen, Secretary, West Galena and Excelsior streets.

Chicago, April 10, 8 p. m.—Chicago Florists' Club, in Union Restaurant, 72 West Randolph street.

Chicago, April 6, 2 p. m.—Chicago Greenhouse Vegetable Growers' Association, Arcanum Hall, 7013 Ravenswood Park avenue.

Chicago, April 9.—Gardeners' and Florists' Union No. 10615, 230 North Clark street.

Cincinnati, O., April 7, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., April 7, 7:30 p. m.—Cleveland Florists' Club, Progress Hall, 2610 Detroit avenue.

Davenport, Ia., April 10.—Tri-City Florists' Club, Henry Miller, 1115 15th street, Rock Island, Ill., Secretary.

Hartford, Conn., April 11, 8 p. m.—The Connecticut Horticultural Society, County building, Madison, N. J., April 9, 8 p. m.—Morris County Gardeners' and Florists' Society, Masonic Hall.

New Orleans, La., April 7, 2 p. m.—Gardeners' Mutual Protective Association, 114 Exchange alley.

New York, April 7, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

New York, April 9, 4:30 p. m.—Horticultural Society of New York at American Museum of Natural History.

Norwich, Conn., April 7.—New London County Horticultural Society, Buckingham Memorial, Omaha, Neb., April 10, 8 p. m.—Omaha Florists' Club, City Hall.

Rochester, N. Y., April 7, 8 p. m.—Rochester Florists' Association, 97 Main street.

Scranton, Pa., April 11, 7:30 p. m.—Scranton Florists' Club, T. B. McClintock, Secretary, Scranton.

Springfield, O., April 7.—Springfield Florists' Club, Arthur Leddie, Secretary, Springfield, O. St. Louis, Mo., April 10, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.

Toledo, O., April 9.—Toledo Florists' Club, E. A. Kuhnke, Secretary, 929 Prouty avenue, Toledo, O.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Position as traveling salesman for seeds, bulbs, plants or florists' supplies. Address Key 786, care American Florist.

Situation Wanted—As a working foreman, single, strictly sober and a good grower of cut flowers and potted plants; good designer and hustler. Key 811, care American Florist.

Situation Wanted—As Florist and gardener; well up in Carnation and Chrysanthemum growing. Single man; good reference. Key 806, care American Florist Co.

Situation Wanted—As florist and gardener in private place; Hollander; 10 years in this country; married; no children; life experience; can furnish the best of references. Address Key 801, care American Florist.

Situation Wanted—Head gardener, English man, age 40, married, without family. Life experience in all branches, including Orchids, Roses, Carnations, Mums, Early Forcing, fruit and vegetables, etc. Good references. E. RICHMOND, Elma Center, N. Y.

Situation Wanted—A strictly first-class designer, decorator and store-man will be open for an engagement on or before May 1. First class references. Good wages expected. Eastern city preferred. Write at once, if you need such a man. A. F. F. care American Florist. 124 East 24th Street, New York.

Situation Wanted—Landscape Architect (German) 29 years of age, first-class technical and practical knowledge of landscape gardening. Expert in layouts of artistic plans and estimates for municipal and private parks. Recently employed as manager for some of the largest landscape contractors of Germany. Excellent references. Address, Key 809, care American Florist.

Situation Wanted—As head gardener and florist superintendent on private place; English, age 35, married, one child aged 8 years. At present engaged, but desire change; life experience in all branches—hot house plants, cut flowers and fruit under glass, vegetables, lawn perennials, and the general routine of a well kept estate; 4 years and a half in present place; first-class references. Address, Key 813, care American Florist.

Situation Wanted—On commercial or private place by an all around man with 20 years of practical experience in this country and Europe; single, 35 years of age. Can furnish the best of recommendations from leading firms. Pot plants, roses, carnations and landscape gardening a specialty. State salary when writing. GEORGE BAKAITIS, 5433 North Seeley av., Chicago

Situation Wanted—As head gardener or superintendent. Good grower of cut flowers, potted plants, indoors and out doors; vegetables and fruits. Good experience in lawn and park work; understand management of private place park, cemetery, or institution. Am 30 years of age, married, no children. Have been in the gardening and florist business for 15 years. Can furnish best references to party requiring such a man. Address, Key 799, care American Florist.

Help Wanted—Two experienced salesladies. Apply W. W. BARNARD Co., 233 W. Madison St., Chicago, Ill.

Help Wanted—Florist and gardener for public park; must be competent for in and outside work; state experience and wages wanted. SUPT. OF PARKS, Davenport, Iowa.

Help Wanted—A bookkeeper who has had experience in bookkeeping in a florist's store. Address A. F. F., care American Florist 124 East 24th Street, New York.

Help Wanted—Florist and gardener, competent to take charge of greenhouse, garden and grounds at State Institution. Address SUPERINTENDENT, State Public School, Owatonna, Minn.

Help Wanted—Honest young lady with some experience to take care of floral establishment in Chicago. Very good chance for advancement, with good salary. Key 805, care American Florist.

Help Wanted—A 1st class grower of mums, carnations, and a general line of bedding plants. Must be able to take charge if necessary and show results; sober and a good worker; near Chicago. State wages and reference. Address Key 812, care American Florist.

For Sale—Well located retail store, centrally located, doing good business for over five years. This is a rare opportunity, price very reasonable; going south object of selling. Key 804, care American Florist.

For Sale or Lease—5 greenhouses at Madison, N. J., 1 mile from station. 4½ acres of land, 9-room dwelling, up-to-date, cheap, and low rent to prospective buyer. Address, R. S., 265 Rosedale Ave., Madison, N. J.

Public Sale—Of floral plant known as The Morris Floral Co., will be held at the east door of the City Hall, in Morris, Ill. The real estate consists of 6 acres of ground planted in all kinds of fruit trees and berries; 3 new greenhouses 28x125 feet and 12 smaller houses all in good condition. One 12 room dwelling house with all modern conveniences. One 5-room cottage; big packing shed, cellar and barn. Ten per cent cash on day of sale and the balance when report of the sale is approved by the Court. ANNA KRAHN, Administratrix of the estate of Ivid Krahn, deceased.

STOREMAN

Good salesman and designer is desirous of securing a situation immediately in Chicago. For further particulars, address, Key 810, care American Florist.

WANTED

Gardener competent to take charge of country place. Flowers, shrubbery, vegetables and chickens. New house. All year round position. Address, stating experience and references.

JOHN F. JELKE, 759 S Washtenaw Ave., Chicago, Ill.

WANTED

A firm with a large retail trade in pot plants needs an expert grower in their pot plant department. He must be up-to-date. Steady position and good salary. Married man preferred.

Address, Key 808, care American Florist.

The Chance of a Lifetime for a Hustling Gardener.

Here is a big thing for a practical man with a little money who wants to own a business. 12 acres of cultivated land, watered by a running brook, located on 2 main roads, 10 miles from Boston, 8 minutes from electric cars, 20 minutes from steam cars. City water piped all over the place. 15,000 feet of glass in three houses; 15,000 extra carnation plants and 40,000 young plants, all of best varieties. Boiler house with cellar for 100 tons of coal. Large barn, stable room for two horses. Modern 9-room house, electric lights, hot and cold water, furnace heat. Plenty of office room in house. This property is in first-class condition and near a big market that will take all that can be grown under glass or in the open. You can receive further details by writing to

The McFarland Publicity Service Box 675, Harrisburg, Pa.

Joseph Heacock Company's Palms Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana				
Pot	Leaves	In. high.	Each	Doz.
2½-in.	4	8 to 10.....		\$ 1 50
5-in.	6 to 7	18.....	50	6 00
6-in.	6 to 7	24.....	1 00	12 00
6-in.	6 to 7	26.....	1 25	15 00
6-in.	6 to 7	28 to 30.....	1 50	18 00
Cedar Tub Leaves				
		In. high.	Each	Doz.
7-in.	6 to 7	34 to 36.....	2 50	30 00
9-in.	6 to 7	40 to 45.....	4 00	48 00
Cedar tub				
	Leaves	In. high	Each	
9-in.	6 to 7	42 to 48.....	5 00	
9-in.	6 to 7	48 to 54.....	6 00	
9-in.	6 to 7	5 ft.....	8 00	
9-in.	6 to 7	6 to 7 ft.....	10 00	

Kentia Forsteriana—Made up				
Plants	In. high	Each	Doz.	
7-in.	36.....	2 50	30 00	
9-in.	40 to 42.....	4 00	48 00	
12-in.	60 to 66.....	12 50		
12-in.	66 to 72.....	15 00		
Phoenix Roebelenii				
Pot		Each		
5-in., nicely characterized.....		\$1 00		
6-in., 18 to 20-in. spread.....		1 50		
Cibotium Scheidei				
High	Spread	Each		
7-in.	18-in.	24-in.		
Cibotium Scheidei				
	Spread	Each		
7-in. pot, 2 to 2½ feet.....		\$2 00		
9-in. tub, 4 feet.....		4 00		
12-in. tub, 6 to 8 feet.....		8 00		

We are growing all our Kentias above 6-inch size in neat **Cedar Tubs**, made especially for us, with electric wire hoops, and painted **green**. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The **buyer** has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from **Reading Terminal**, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of **all sizes**, from 2½-inch pots to 12-inch tubs. We are strong on **Decorative Palms**, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are **home-grown** (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is **much larger** than ever before and never in **better condition**.

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station,
Jenkintown.

ANNOUNCEMENT.

The cyclone of Easter Sunday, March 23rd, destroyed our new greenhouses at Lake Manawa, but the Large Greenhouse Place on East Pierce Street was unharmed. This place has several very fine crops of **American Beauties, Roses, Carnations, Violets, etc.**, besides a fine collection of **Blooming Plants**. We are therefore in readiness to promptly fill your orders as heretofore, and will indeed appreciate your patronage.

The destroyed greenhouses (each 60x1000 feet) will be rebuilt at once and we will be especially well prepared for a large additional business this coming fall.

Yours very faithfully,

J. F. WILCOX & SONS,
Council Bluffs, Iowa.

Cincinnati.

MARKET WELL SUPPLIED.

The Easter rush is over and the market is moving smoothly. There should be a good opportunity for big business in the immediate future for the market is well stocked in every line. Nothing is lacking, from roses to wild smilax. The supply of roses is good and large, and includes principally Killarney and White Killarney. Some very fine Richmond too, are coming in. American Beauty roses are again coming into crop. The receipts of each color of carnations are large and each one enjoys its proportionate

share of the demand. The supply of Easter lilies is still large, but it cannot be ascertained now with any degree of certainty as to what their status in respect to supply and demand will be a few days hence. Smaller bulbous stock includes some excellent jonqui's and tulips. With sweet peas, it is the same old story. Those of quality sell well while poorer and shorter stock finds a small market. The offerings of lily of the valley are very large and very fine. Other stock includes orchids, gardenias, Spanish iris and snapdragons. The supply of decorative greens is large.

C. E. Critchell, after considerable

difficulty owing to the impeding of transportation in the South by heavy rains, has at last received another car of wild smilax.

The flower market firms did a rushing business on Saturday before Easter. At times the place was so packed that it was almost impossible to move about.

Tom Burnett had some fine schizanthus for Easter. L. H. Kyrk handled them for him.

P. J. Olinger cut the first Spanish iris in this market this season.

The Hill-Heller store had a very large and fine Easter display.

H.

The Big Blow That Did Not Blow Enough To Blow Down Any L and B Big Houses

THE recent far reaching destruction throughout the middle west of all sizes of various constructed green-houses points an object lesson we have been endeavoring to impress on growers for years.

Over and over again we have used these pages to show up the wind resisting strength of our Iron Frame construction.

Some of the "wise ones" have gone so far as to flatly state that our houses "had too much iron in them," or that we "were unnecessarily fussy about the number of columns we placed in a house."

Yes, and we have even been accused of being "behind the times" by not adopting some of the new-fangled framing methods. It now happens that two of the biggest iron frame houses in the west were new-fangled construction and in that blow they went down like a pack of cards. Not a single Lord & Burnham house suffered.

Of course, glass was broken, but the

frame work on all sides stands firm and true today as when erected.

It is apparent, then, that many growers have been led to put too much confidence in certain kinds of frame houses.

The recent destruction of hundreds of thousands of dollars worth of houses simply backs up what we have been continually claiming; and that is—half the iron frame houses being put up by firms with but a few years experience in this type of construction are nowhere near as safe and sure as our Pipe Frame.

It's not a question of **how much iron** you use in a house; but how **that iron is put to use**. Mind we don't claim that our Iron Frame houses will never be blown down, (although none ever has) but we do claim, **that if any house will stand a blow, Lord & Burnham's will.**

Drop in at our show at the National Flower Show and talk over our blow-proof houses.

If you can't come, let us come to you.

Lord & Burnham Co.

SALES OFFICES:

New York
St. James Bldg.

Philadelphia
Franklin Bank Bldg.

Boston
Tremont Bldg.

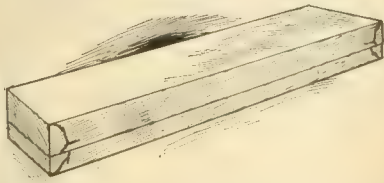
Chicago
Rookery Bldg.

Rochester
Granite Bldg.

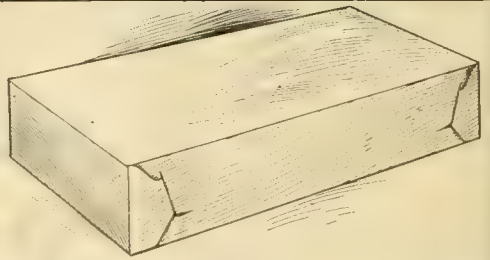
Toronto
271 Jarvis St.

FACTORIES:

Irvington, N. Y.
Des Plaines, Ill.



FOLDING FLOWER ..BOXES..



We can supply you with any size Flower Box you need. We carry the largest variety of colors. We can and do make prompt shipments at all times. Our prices are reasonable and a special discount will be allowed on quantity orders.

Palm Green, Mist Gray, Mist Brown.		White Glaze, Green Glaze, Pink Glaze.		Extra Heavy Spray and Design—Palm Green.		Extra Heavy Spray and Design—Mist Gray, Mist Brown.		Violet and Corsage Boxes.	
	Per 100		Per 100		Per 100		Per 100		White and Violet Glaze, Per 100
16x 4	x3.....\$ 1.85	16x 4	x3.....\$ 2.65	23x12x5	Telescope. \$ 7.50	30x12x 6	Telescope. \$10.50	7x4x4.....	\$2.50
20x 4	x3.....2.15	20x 4	x3.....3.00	30x12x6	" 10.00	20x12x 8	" 10.00	8x5x5.....	3.00
18x 5	x3.....2.15	18x 5	x3.....3.00	20x12x8	" 10.00	16x16x 8	" 10.50	10x6x5½.....	3.50
21x 5	x3.....2.50	21x 5	x3.....3.50	12x12x8	" 9.00	20x20x 8	" 13.50	12x8x5½.....	4.50
24x 5	x3½.....3.00	24x 5	x3½.....3.75	16x16x8	" 10.00	24x24x 8	" 15.50	14x10x8, Telescope....	8.50
30x 5	x3½.....3.30	30x 5	x3½.....4.50	20x20x8	" 13.00	28x28x 8	" 19.50	Plain Violet.	
36x 5	x3½.....4.50	36x 5	x3½.....5.65	24x24x8	" 15.00	32x32x 8	" 25.50	7x4x4.....	1.75
21x 7	x3½.....3.25	18x 6	x3½.....3.65	28x28x8	" 19.00	24x14x 8	" 13.00	8x5x5.....	2.25
24x 8	x4.....3.85	21x 7	x3½.....4.00	32x32x8	" 25.00	30x14x 8	" 15.00	10x6x5½.....	2.50
28x 8	x4.....4.15	24x 8	x4.....5.25	28x22x8	" 16.00	36x14x 8	" 16.25	11x8x5½.....	3.50
28x 8	x5.....5.00	28x 8	x5.....5.75	24x14x8	" 12.50	40x14x 8	" 17.75	Mist Gray, Mist Brown, Palm Green.	
36x 8	x5, Telescope. 7.00	28x 8	x4.....6.00	36x14x8	" 16.00	42x17x 8	" 20.50	7x4x4.....	2.50
40x 8	x5.....9.00	28x 8	x5.....6.50	40x14x8	" 17.50	No printing charge on lots of 300 or over of assorted sizes.		8x5x5.....	2.75
42x 8	x5.....11.00	36x 8	x5, Telescope. 9.00	32x17x8	" 16.00			10x6x5½.....	3.00
30x10	x5.....7.00	40x 8	x5.....11.00	36x17x8	" 18.50	Samples of board mailed on application.			
36x10	x5.....9.00	42x 8	x5.....13.25	42x17x8	" 20.00				
42x10	x5.....13.00	42x10	x5.....15.00					12x8x5½.....	3.50
48x10	x5.....15.00	48x10	x5.....18.00					15x6x5.....	3.50
								14x10x8, Telescope....	6.00

A. A. Arnold, 16-18-20-22 S. PEORIA ST., **CHICAGO**
DEPT. F.



GOODRICH HOSE For Greenhouse Use

QUICKLY EARN THEIR COST.

MOST DURABLE OF ALL HOSE.

HERE ARE TWO BRANDS OF HOSE ESPECIALLY FITTED FOR GREENHOUSE USE:

AKRON—Braided fabric, non-kink construction, supplied in lengths up to 500 feet. A well balanced hose in every particular. Excellent grade of rubber stock is used in the tube, cover and friction, and particular attention is paid to the grade, weight and mesh of the cotton fabric. Built in every

way for just the sort of service it is likely to be put up against in Greenhouse use.

FLORISTS—Wrapped duck construction. Practically in a class by itself, with its extra heavy cover, strong duck and superior friction. It is a popular hose and as its name indicates, particularly adapted for the use of Florists.

We would like to send you literature and tell you more about both of the brands mentioned above. But if in a hurry for hose you will run no risk in ordering either. "Goodrich made" Hose is never a chance, always an investment.

THE B. F. GOODRICH COMPANY,

Makers of Goodrich Tires and everything that's best in rubber.

Factories, Akron, O.; branches in all leading cities.

DARWIN TULIP CLARA BUTT. $\frac{2}{3}$ natural size.



DE GRAAFF Bros. Ltd. LEIDEN—HOLLAND.
TULIP AND DAFFODIL GROWERS.

**SEND ADS. NOW
FOR THE GRAND
National Flower Show
Special Number**

=== O F ===

The AMERICAN FLORIST

To Be Issued

APRIL 10

Which will contain general descriptions and illustrations of the great exhibition to be held at the

Grand Central Palace, New York, April 5-12

under the auspices of

The Society of American Florists

— in co-operation with —

**The American Rose Society, American Carnation Society,
American Sweet Pea Society, American Gladiolus Society,
and other organizations.**

¶ Awards so far as available will be given in this issue, making a paper full of interest and value to everyone in the trade.

¶ The advertising rates are: \$1.00 per single column inch, \$30.00 per page of 30 inches, with the usual liberal discount on consecutive insertions.

¶ To insure good location and display, advertising copy and cuts should reach us early.

American Florist Co.
440 S. Dearborn St., CHICAGO



"The Best Selling Medium in the Trade."

Our Special Offer To the Trade

For the week ending April 8th, we offer choice extra long-stem Beauties at \$3 per dozen and long seconds at \$1.50 per dozen. Good fresh Carnations in lots of 500 or more, pink and white, and 20 per cent red, \$12 per 1000. Choice Roses, long, \$8 per 100; choice Roses, medium, \$5 to \$6 per 100; choice Roses, short, \$3 per 100; assorted Roses, our selection, \$3 per 100. All other flowers at lowest market rates.

BASSETT & WASHBURN

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.
LONG DISTANCE PHONE, CENTRAL 1457.

Chicago.

STOCK IN OVERSUPPLY.

Trade was very quiet up to March 28, but since then the buying has been heavier, yet none too encouraging. Nearly all the wholesalers were more or less handicapped the past week in filling shipping orders, owing to the recent washouts and floods throughout southern Illinois, Indiana and Ohio. Shipping over some lines to certain points in the South and East was also cut off, but the situation is now more encouraging and it is expected that within a few days shipments to nearly all points will be resumed. The damage to greenhouses in the West, especially in the vicinity of Council Bluffs, Ia., and Omaha, Neb., has brought a little trade to this market, due most likely to the fact that the supply there since the storm is far too short. Stock of all kinds is plentiful and can be had in large lots at very reasonable prices. American Beauty roses are now in better supply and can be had at much lower prices. Killarney and White Killarney are arriving in very large quantities and can be had in large lots at bargain prices. Mrs. Aaron Ward roses are also over-plentiful, but Sunburst seems to be holding its own. Richmond roses are arriving in large quantities also, in fact there is hardly any rose that the supply is what may be termed short. Carnations are seen in large quantities everywhere with a large number of splits still arriving. There are plenty of sweet peas to be had, but they are moving well at cheap prices. The quality in some instances is fine and the stock is worth double the price they are sold for. Lily of the valley is in good supply. Tulips are plentiful, orchids are moving fairly well, gardenias are very scarce and violets, well, it is the same old story: Plenty of

stock with no demand. They have been hard to move all season and were nearly a "fizzle" as far as this market is concerned. Lilies are in good supply, mignonette is to be had and greens with one or two exceptions are plentiful. Asparagus strings are scarce and wild smilax is being sold as high as \$7.00 a case.

NOTES.

Frank Williams, a well-known retail florist of this city, died Monday noon, March 31, at the Kenilworth sanitarium. Mr. Williams was 45 years of age and was engaged in the florist business here for the past 25 years, having at one time a store in the Masonic Temple. He was also one of the proprietors of the Alpha Floral Co.'s store in South Wabash avenue, but sold out about a year ago, since which time he had devoted his time entirely to his other store, known as the Atlas Floral Co., 32 East Randolph street. He recently opened another store in the basement of the new building on the corner of Monroe street and Wabash avenue, which is conducted under the name of the Williams Floral Shop. Mr. Williams had been ill for a long time and had been confined to a sanitarium for the last eight months, during which time his health had failed rapidly. The funeral will be held next Thursday, April 3, at 10 a. m., at the Greek Orthodox church, and interment will be at Oakwood cemetery. His wife survives him. She will continue the business under her own management.

Samuel Freund of the A. A. Arnold Co., reports that since the advent of this concern in the folding flower box business there has been an ever increasing demand for their goods, which will soon necessitate the enlarging of their present plant. Mr. Freund left Chicago for a month's business trip expecting to call on the trade through-

out the West, where he will show some very fine grades of moisture-proof stock in all sizes and colors.

John P. Sinner of Sinner Bros. is rapidly recovering from his recent operation, and is now busy looking after the exceptionally good stock of roses and carnations which is being grown under the able supervision of John Nierescher, formerly with the Lamborn Floral Co. of Alliance, O.

Herman Treenint, formerly with Geo. Welland, is now foreman of the Park Manor Greenhouse, where he reports a good stock of pot-grown 7-inch and 8-inch Boston ferns.

L. Hoeckner, of the Peter Reinberg store force, left this week on a business trip to Memphis, Tenn., New Orleans, La., and some of the principal cities in Texas.

Joseph L. Raske will contribute the entire proceeds of his business April 3 to the United Charities, giving the use of his store, sales force, etc.

The next regular meeting of the Florists' Club will be held at the Union Restaurant, West Randolph street, on Thursday, April 10.

Philip L. McKee, with the John C. Moninger Co., has the sympathy of the trade in the loss of his father, whose death occurred on March 30.

Fred. Lautenschlager left this week for New York to stage Kroeschell Bros. Co.'s boiler exhibit at the National Flower Show.

The Batavia Greenhouse Co. had about 50 boxes of glass broken during the recent storm.

Mrs. Peter Olsem, of Joliet, is recovering from a successful operation for appendicitis.

Roy Wilcox, of Council Bluffs, Ia., was in the city on business this week.

Louis Visas has returned from a business trip to Duluth, Minn.

Poehlmann Bros. Co.

72-74 E. Randolph St. Long Distance Phone CHICAGO, ILL.
Randolph 35

American Beauties

White and Pink Killarneys, Prince de Bulgarie, Mrs. Aaron Ward, and Richmond Roses, short, long and medium grades, in large supply. Also extra big cuts of Fancy Valley and Easter Lilies for Spring Weddings.

Current Price List.

All our quotations are subject to market fluctuations, changes without notice, and our confirmation.

AMERICAN BEAUTIES		Per Doz.	LADY HILLINGDON.		Per 100	CARNATIONS—		Per 100
Specials.....		\$4.00	Specials.....		\$12.00	Firsts.....		\$3.00
36-inch.....		3.00	Long.....		10.00	Seconds.....		2.00
30-inch.....		2.50	Medium.....		8.00	Thirds.....		1.50
24-inch.....		2.00	Short.....		\$4.00 to 6.00	ORCHIDS, Cattleyas...per doz., 6.00 to \$7.50		
20-inch.....		1.50	RICHMOND.		Per 100	JONQUILS.....		
18-inch.....		1.25	Specials.....		\$10.00	DAFFODILS.....		3.00
15-inch.....		1.00	Long.....		8.00	LILIES.....		10.00
Short stem.....	Per 100.	\$4.00 to 6.00	Medium.....		6.00	SPIREAS, Cut.....		3.00
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.			Short.....		4.00	TULIPS, double.....	4.00 to 5.00	
Specials.....	Per 100	\$12.00	KILLARNEY.			TULIPS, single.....	3.00 to 4.00	
Long.....		10.00	Specials.....		\$10.00	VALLEY.....	2.00 to \$3.00	
Medium.....		8.00	Long.....		8.00	VIOLETS, Single Princess of Wales	1.00	
Short.....	4.00 to 6.00		Medium.....		6.00	VIOLETS, Fragrant Home Grown	1.00	
MRS. AARON WARD.			Short.....		4.00	SWEET PEAS, fancy.....	1.00 to 1.50	
Specials.....		\$12.00	KILLARNEY QUEEN			ADIANTUM CROWEANUM.....	1.00	
Long.....		10.00	Specials.....		\$12.00	SMILAX.....	Per doz. 2.50	
Medium.....		8.00	Long.....		10.00	SPRENGERI.....	2.00 to 4.00	
Short.....	4.00 to 6.00		Medium.....		8.00	PLUMOSUS SPRAYS.....	3.00 to 4.00	
MELODY, specials.....			Short.....		4.00 to 6.00	PLUMOSUS STRINGS.....	each .60	
Long.....		10.00	WHITE KILLARNEY.			FERNs.....	per 1,000. 2.50	
Medium.....		8.00	Specials.....		\$10.00	GALAX.....	per 1,000. 1.25	
Short.....	4.00 to 6.00		Long.....		8.00	LEUCOTHOE.....	per 100. .75	
			Medium.....		6.00	BOXWOOD, bunch, 25c; 50-lb. case,	7.50	
			Short.....		4.00			

Supply Department.

Our success in this department has been gained by prompt shipment of all orders, reasonable prices and good clean stock.

We now offer a full line of **Baskets for Weddings, Table Decorations, etc.**, assortment \$5.00 to \$25.00 selected by us; will guarantee to give satisfaction.

Cape Flowers, white, 85c per pound; colored, \$1.00 per pound. **Capeblumens**, (Artificial Capes) 50c per hundred. **Galvanized Wire Stakes**.

Cemetery Vases, glass, \$2.00 per dozen; Green Enameled, \$1.60 to \$2.00 per dozen. **6-inch Valley Chiffon**, special per yard, 4½c. **10-inch Valley Chiffon**, special per yard, 7½c. **Ruscus, Magnolia Leaves, Cycas Leaves, Wheat Sheaves.**

Cut Flower Boxes. Corrugated Boxes. Wire Designs.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

BEAUTIES--ROSES--CARNATIONS

CURRENT PRICE LIST:

Buy from us and get the best stock in the market at the most reasonable prices. All late orders will be filled in full.

American Beauties.

Per Dozen	Per Dozen
60-in. stems.....\$4 00	24-in. stems.....\$1 75
48-in. stems.....3 00	20-in. stems.....1 50
36-in. stems.....2 50	16-in. stems.....1 00
30-in. stems.....2 00	Short stems.....75

Killarney.

Per 100	Per 100
Extra special.....\$ 8.00	Medium.....\$ 5.00
Selects.....7.00	Good.....4.00
Fancy.....6.00	Short stems.....3.00

My Maryland

Per 100
Fancy.....\$ 8 00
Good.....6.00
Short.....4.00

Sunburst

Per 100
Fancy.....\$10.00
Good.....8.00
Short.....6.00

Roses, our selection - - - \$3.00

Carnations Extra Special Red, Enchantress, Pink and White, \$3.00 per 100.

Richmond

Per 100
Extra specials.....\$ 8.00
Selects.....7.00
Fancy.....6.00
Medium.....5.00
Good.....4.00
Short stems.....3.00

White Killarney

Per 100
Extra specials.....\$ 8.00
Selects.....7.00
Fancy.....6.00
Medium.....5.00
Good.....4.00
Short stems.....3.00

Carnations Good Red, Enchantress, Pink and White, \$2.00 per 100.

FERNS, per 1000.....\$2.50
SMILAX, per doz.....\$1.50 to 2.00
ADIANTUM, per 100.....1 00 to 1.50
GALAX, per 1000.....1.00
SPRENGERI, per bunch......50
ASPARAGUS SPRAYS, per bunch......50
LILIES.....per 100, \$10.00 and 12.50

Cook County Florists' Association.

The regular meeting of the Cook County Florists' Association was held at the Tavern, West Washington street, March 27. President Kohlbrand in the chair. The principal business of the meeting was the installation of officers who were ushered into office in a body owing to the pressure of other business. Treasurer Zech read his report and announced that \$253 had been placed in the savings bank, leaving a balance of \$126 for general expenses. The secretary, A. T. Pyfer, was found to be \$13.60 over in his accounts, which was generously returned to him by a unanimous vote of the club. There was some talk about changing the meeting place from the present quarters to the Grand Pacific Hotel, but no definite action was taken.

After he read his inaugural address, which was a glowing tribute to the club, President Kohlbrand announced his committees as follows:

Good of the club committee—Walter Scott, chairman; E. C. Amling, H. N. Bruns, A. Henderson and W. J. Keimel.

Membership committee—George Wienhoeber, chairman; Wm. Kral, Ed. Armstrong, J. Brodbeck and James Curran.

Sports and pastime committee—A. Zech, chairman; Wm. Graff, A. Miller, Otto Goerisch, John Huebner and E. Schultz.

Transportation committee—A. Miller, chairman; A. T. Pyfer and N. P. Miller.

Publicity committee—Peter Pearson, chairman.

Publicity was discussed for some time and A. Henderson was selected to represent the club at a meeting of the National Publicity Committee on April 7, to be held at the Grand Central Palace, New York. A subscription was started for the relief of the

PERCY JONES

L. M. JONES Secy.

Inc.

H. VAN GELDER, Pres.

YOU ARE LOSING MONEY

Every week you are not receiving our Special Price List of Cut Flowers and Supplies. Write right now and get on our mailing list TODAY.

56 E. Randolph St., Chicago

flood sufferers at Dayton, O., which totaled over \$100 before it was finally closed. Henry Wehrman of Maywood exhibited an extra fine vase of Spencer sweet peas. Ant. C. Zvolanek of Lompoc, Calif., gave a short talk on sweet peas that was interesting and instructive.

CROWLEY, LA.—E. Mixer of Port Arthur, Tex., will probably start a tree nursery here in the near future.

VAN ALSTYNE, TEX.—The Farmers' Nursery Co. has incorporated, capital \$10,000. C. G. Strickland, R. E. Barron and A. R. Clayton are the incorporators.

St. Louis.

MARKET CROWDED.

The week after Easter began with a heavy storm of snow and sleet but the weather has warmed up and we are having a more spring-like temperature. The market has been pretty well crowded all week in all lines, the inclement weather helping to pile up stock. Violets are nearly gone and good ones bring a little better price. Thousands of sweet peas are in and prices on these are lower except for the very fancy grades, which bring a good price. Carnations are sold from 1 cent to 3 cents each. Fancy roses are also plentiful and tulips and other

FANCY BEAUTIES

In Big Supply at Very Reasonable Prices.

Tremendous Cut of Richmond, Killarney, White Killarney, My Maryland, Melody, Ward and Sunrise Roses. Also good supply of Carnations.

Current Price List

AMERICAN BEAUTIES—		Per doz.			Per 100
48-inch stems		\$4.00	Sunrise		\$4.00 to \$8.00
48-inch stems		3.50	Roses, our selection		3.00
36-inch stems		3.00	Carnations		2.00
30-inch stems		2.50	“ Fancy		3.00
24-inch stems		2.00	“ Splits		1.00
20-inch stems		1.50	Harrisii		10.00 to 12.50
18-inch stems		1.25	Valley		3.00 to 4.00
12-inch stems		.75 to 1.00	Violets		.75
Short		.50	Sweet peas		.75 to 1.50
Richmond		Per 100.	Tulips		3.00 to 4.00
Killarney	Select	\$6.00 to 8.00	Jonquils		3.00 to 4.00
White Killarney	Medium	4.00 to 6.00	Adiantum		1.00
My Maryland	Extra select	10.00	Asparagus, per bunch		.50
Wards			Ferns, per 1,000		2.50

2,000,000 Feet of Modern Glass

PETER REINBERG

30 E. Randolph St.,

**L. D. PHONE
CENTRAL 2846**

Chicago

FANCY ROSES IN LARGE SUPPLY

Also Carnations

Valley—Violets—Lilies—Sweet Peas—Tulips

And Seasonable Greens.

A. L. VAUGHAN & CO.

161 N. Wabash Ave.,

(NOT INC.)

**L. D. Phone:
Central 2761**

CHICAGO

bulbous stock are seen everywhere. The recent floods have delayed trains and many shipments are several hours behind schedule.

NOTES.

The Windler Wholesale Floral Co. is doing nicely. This firm is continually adding to its list of consignees. Their stock is always salable, being fresh and of good quality.

Grimm & Gorly are moving this week into their new store, which is being handsomely fitted up. They will

have considerable more ground space and much better facilities.

Ostertag Bros. did an immense trade Easter, both locally and out of town. This firm carries at all times an immense stock, having facilities for taking good care of it.

Marion Uhleschmidt, buyer for Grimm & Gorly, is a daily visitor to the market. All five houses give him welcome, as he is a very liberal but careful buyer.

The plant men are now getting

**U S Budlong's
E Blue Ribbon Valley.**

ready for planting out season. This will start in about the first week in

"The Busiest House in Chicago."

CARNATIONS

Valley, Sweet Peas, Single and Double Violets, Orchids, Daisies, Tulips, Lilies, Callas, Jonquils. Seasonable Greens of all kinds.

QUANTITY

QUALITY

J. B. DEAMUD CO.

Phones { Central 3155. 160 N. Wabash Av., CHICAGO
Auto. 44-389.

May if weather conditions are favorable.

Joe Hauber of Kirkwood, Mo., is bringing to Windler & Co. a fine lot of violets. This new variety of his seems to have good keeping qualities.

F. H. Weber did an immense Easter business. His stock of plants was all sold. His stock of cut flowers was very beautiful and sold out readily.

C. A. Kuehn has his counters, as usual, filled with first class stock. Some extra fancy sweet peas and fine carnations were seen here.

The Retail Association met March 27. After adjournment a banquet was enjoyed. Max Herzog's resignation as a member was accepted.

Julius Schaeffer is very busy these days with receptions and weddings. He says his Easter trade was greater than he had anticipated.

Joe Ent had a splendid trade Easter. His location is a fine one. His store is well arranged and artistic work is done at popular prices.

Robert J. Windler's store is well filled with plants and a fine assortment of cut flowers of the very best grades.

The Kelly Floral Co. did a nice trade Easter. They carry a fine stock of gold fish of which they make a specialty.

H. G. Berning and wife have left for the coast. Otto Berning will have charge during their absence.

Joe Reyburn of Chicago and Charlie Ford, with Hermann & Co., New York, are with us this week.

Mrs. Matilda Waldman did a heavy business in cut flowers and plants Easter.

The Metropolitan Floral Co. contributed to the fund for the flood sufferers.

Mrs. Chas. Schoenle finds her new location on Grand avenue a very good one.

Mrs. Coddington did a splendid trade at Easter, especially in plants.

The Dumas Floral Co. had all it could do Easter. W. F.

SAN FRANCISCO, CALIF.—Pelicano, Rossi & Co. recognize the benefits to be derived from advertising and patronized the display columns of the daily press at Easter time.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

O. R. ECKHARDT CO.

Wholesalers of Cut Flowers
and Florists' Supplies

St. Paul, Minn.

Chicago Bowling.

C. C. F. LEAGUE.

Team Standings.

	Won.	Lost.		Won.	Lost.
Roses	37	29	Violets	31	35
Orchids	33	33	Carnations	31	35

Individual and team scores for games played March 26:

Carnations.			Roses.		
Lorman	201	159	238	Goerisch	158
Lieber'n	114	128	136	Hoefel'r	150
Armstrong	172	123	136	Huebner	142
Ayers	199	182	159	Price	164
A. Zeck	199	157	214	Berg	130

Totals...885 749 883

Violets.

Cole	144	136	110
Jacobs	115	133	144
Wolf	181	169	164
Schultz	148	119	171
J. Hueb'r	191	162	171

Totals...779 719 760

Orchids.

Krauss	157	180	154
Graff	199	155	157
Brostrom	195	167	153
Econ'plus	198	164	114
J. Zeck	139	184	170

Totals...838 850 748

Wm. Lorman broke the high game score record of the season when he rolled 238 in the last game played. John Huebner rolled 208 in the second and Allie Zeck 214 in the windup of the evening's schedule.

KALAMAZOO, MICH.—G. Van Bochove & Bro. report a greater trade this Easter than last, the increase being 25 per cent. Prices remained the same as a year ago. The supply of plants and cut flowers was sufficient to meet all demands. Lilies, azaleas and ramblers roses sold more readily than other plants.

Kennicott Bros. Co.

Wholesale Cut Flowers

**BOXWOOD—Extra Fine,
\$7.50 per case.**

163-165 N. Wabash Av.

CHICAGO

L. D. Phone Central 466

**U S Budlong's
E Blue Ribbon Valley,**

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

-ROSES-

BIG SUPPLY OF CHOICE STOCK.

ALSO A FANCY GRADE OF

Carnations,

Valley, Violets, Tulips,
Sweet Peas, Lilies and
all other seasonable
Flowers and Greens.

Current Price List. Subject to change without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 6.00	\$ 5.00	\$ 4.00	\$3.00	2.00
Killarney.....per 100	8.00	6.00	5.00	4.00	3.00
White Killarney.....	8.00	6.00	5.00	4.00	3.00
My Maryland.....	8.00	6.00	5.00	4.00	3.00
Richmonds.....	8.00	6.00	5.00	4.00	3.00
Mrs. Aaron Ward.....	8.00	6.00	5.00	.....	.....
Sunburst.....	8.00	6.00	5.00	.....	.....
Carnations.....	4.00	3.00	2.00	1.50	.....
Callas.....	15.00	12.50	.....	.....	.....
Lily of the Valley.....	4.00	3.00	.....	.....	.....
Violets, Extra fine single.....	1.50	1.00	.....	.....	.....
Double.....	1.00	.75	.....	.....	.....
Sweet Peas.....	1.50	1.00	.75	.....	.....
Jonquils.....	4.00	3.00	.....	.....	.....
Tulips.....	4.00	3.00	2.00	.....	.....
Easter Lilies.....	12.50	10.00	.....	.....	.....
Daisies.....	1.50	1.00	.....	.....	.....
Asparagus Plumosus Sprays.....	4.00	3.00	2.00	.....	.....
Asparagus Sprenger Sprays.....	3.00	2.00	.....	.....	.....
Mexican Ivy.....	.60	.....	.....	.....	.....
Smilax.....	16.00	12.50	.....	.....	.....
Galax, Green and Bronze.....per 100C	1.00	.....	.....	.....	.....
Ferns.....	2.00	.....	.....	.....	.....
Boxwood.....bunch	.25	.....	.....	.....	.....
Adiantum.....per 100	1.00	.75	.....	.....	.....

Milwaukee.

BUSINESS KEEPS UP.

Considering that usually the week following a holiday is a dull one, local florists are well pleased with the week just passed. Both the wholesaler and retailer were kept very busy for the entire week. Carnations moved well bringing fair prices, but a drop is much in evidence for the coming week. There are plenty of roses of a fine quality. Lily of the valley is moving well and there is enough to supply the demand. The single violets are practically a thing of the past but the double ones are coming in as usual and find ready sale. There are plenty of sweet peas of a fine grade. Easter lilies are not moving very readily and there are enough greens to fill all orders.

NOTES.

The match game arranged between the Chicago and Milwaukee florists took place at Milwaukee March 30 and was well attended. The Milwaukee boys gave their neighbors a better run than in previous years. The first game went to Chicago by 14 pins, then Milwaukee got busy and came back by a lead of 75 pins in the second, but the third session proved our downfall, as usual, with poor scores which spoiled the only chance Milwaukee had of winning a series from Chicago. Nevertheless, we are game losers. The second and third team from Chicago certainly went some, shooting far ahead of their opponents. The attendance was very good and all report a jolly time. There were a number of ladies present, the Chicago boys bringing some rooters with them that certainly helped to make things interesting. After bowling a light lunch was served and everybody left, saying it was a day well spent. The special car in which the Chicago boys arrived left at

9 p. m. for Chicago. Arrangements were made for a return match, which is expected will take place at Chicago April 13. All florists wishing to attend are welcome to take the trip and help root for Milwaukee. Particulars will be announced later.

The wedding of Miss Anna Holtz, daughter of Gustav Holtz, and B. Schraufnagel took place Thursday

evening, March 27. Mr. and Mrs. Schraufnagel are spending their honeymoon in northern Wisconsin, and upon their return will take up their residence in this city. Their many friends extend congratulations and best wishes.

Gust Rusch & Co. are receiving some very fine mignonette, sweet peas, carnations and roses which find ready

PULLMAN EQUIPMENT

Pullman Equipment is essentially similar on all main lines of travel, but one finds the newest little refinements of service upon those lines which match it with their up-to-date Chair Car and Coach Equipment. Pullman builds the best cars, and the Chicago Great Western runs the best cars Pullman builds.

THE GREAT WESTERN LIMITED

the spotless steel train of solid Pullman Equipment leaves Chicago Grand Central Depot at 6:30 p. m., arrives St. Paul 7:30 a. m., Minneapolis 8:05 a. m. After theatre train leaves Chicago 11:00 p. m., arrives St. Paul 1:35 p. m., Minneapolis 2:10 p. m.

Chicago Great Western

A. L. Craig, G. P. A.

1139 People's Gas Building,
Chicago.

RED AND BROWN Magnolia Leaves

75c Per Hamper

Choice stock. Guaranteed satisfactory. Standard size Hampers.
This SPECIAL OFFER is GOOD for a SHORT TIME ONLY

Order Your Supply Now==TO-DAY

H. WITTBOLD

56 East Randolph Street, CHICAGO, ILL.

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street

L. D. Phone, Randolph 6578

CHICAGO, ILL.

sale. This firm reports business as very satisfactory for the past week.

R. Letiz had the misfortune of having his auto damaged by fire last week, but he expects to have it in working order shortly. He reports business as very good.

The opening of Lefly's large department store kept most of the local florists busy Tuesday and the demand for flowers was very noticeable.

The C. C. Pollworth Co. reports business good for the past week and the quality of stock fine, with enough to fill all orders.

The Holton & Hunkel Co. has a heavy cut of lilies on. This firm is also cutting some exceptionally fine roses.

The scores of the Chicago-Milwaukee bowling contest were as follows:

FIRST TEAMS.

Milwaukee.	Chicago.
Holton ... 146 181 149	Fischer ... 171 167 186
Pohl ... 163 185 142	Price ... 158 120 166
Keltner ... 145 155 196	Lorman ... 194 160 154
Rusch ... 203 174 135	J. Zeeh ... 185 145 191
Fox ... 195 133 168	A. Zeeh ... 156 147 192

Totals... 852 828 790 Totals... 864 739 889

SECOND TEAMS.

Milwaukee.	Chicago.
Currie ... 196 175 146	Graff ... 190 202 218
Leideger ... 168 134 147	Huebner ... 206 180 203
Eggbrecht ... 148 141 180	Wolff ... 160 209 175
Schultz ... 153 166 140	Krauss ... 150 157 129
Gulbrut ... 160 175 148	Byers ... 178 203 153

Totals... 825 731 761 Totals... 884 942 878

THIRD TEAMS.

Milwaukee.	Chicago.
Hare ... 160 98 130	Armstrong ... 115 155 180
Halliday ... 122 169 153	Winterson ... 110 114 137
Schmelle ... 123 151 110	Cole ... 154 155 154
Leitz ... 126 103 115	Welsh ... 163 175 144
Oestricher ... 101 106 122	Jacobs ... 152 181 150

Totals... 632 627 630 Totals... 694 777 765

G. R.

LIMA, O.—Henry Mueller, who for the last four years has operated the Hillside Greenhouses under lease, has purchased the property and renamed it the Pleasant View Greenhouses and Gardens.

Cleveland.

BUSINESS TAKES SLUMP.

Business the past week took a decided slump, but considering the weather no more could be expected. Pink and White Killarney roses are arriving in large supply and stock is generally good. Aaron Ward roses are in good supply, but the demand for corsage bouquets is not very heavy, and violets are little in demand. Sweet peas are good stock and clean up daily. Bulbous stock, except lilies, is on the decline. Most growers do not want to see any more until next year. Easter and calla lilies are plentiful and large lots can be had at reduced prices. Carnations are not so plentiful and all grades clean up daily. Lily of the valley is still short of the demand, as are good orchids. Greens of all kinds are plentiful. Numerous shipments of violets and fancy and dagger ferns, which the express companies could not deliver to points in the southern part of the state, were delivered to local wholesale houses here for disposal. These shipments came mostly from New York and Massachusetts. Shipping facilities were badly hampered by the floods, and many shipments were delayed or did not get away at all, as only one or two roads could get out of the city limits owing to the flood. Southern smilax orders can not be filled in full.

NOTES.

Saywell Bros. have opened a retail flower store at the corner of East One Hundred and Eleventh street and Superior avenue. They have greenhouses on Lake View road, and until recently confined themselves chiefly to vegetables, growing a few outdoor flowers and some potted plants.

Miss Jane Eadie of the Jas. Eadie Co., 927 Euclid avenue, died Saturday evening, March 29, at the residence of her sister, Mrs. Salter, 1511 East One Hundred and Eighth street. Services were held at Wade Memorial church, Tuesday, April 1, at 3 p. m.

U S Budlong's E Blue Ribbon Valley.

Magnolia Leaves

Cycas Leaves
AMERICAN OAK SPRAYS
Ruscus

Write for samples.

OSCAR LEISTNER, 17 North Franklin Street
CHICAGO

Selling Agents for OVE GNATT Hammond, Ind

A. M. Albrecht had his automobile stalled late Easter Sunday while it was loaded with plants. Only a part of them were delivered, via the street car route; the balance were charged to loss.

F. Burger has a new auto delivery wagon, with a covered top, used mostly in hauling plants, etc., to the market from his greenhouses, and delivering his funeral work designs.

John Blechschmid had the misfortune to lose another horse this week. This is the second one to die inside of a period of about seven months.

C. F. B.

SPRINGFIELD, MASS.—The Springfield Amateur Horticultural Society plans to hold a flower show each month during the summer.

PITTSBURG, PA.—A recent issue of the Press contains a picture of the E. C. Ludwig baseball club. Mr. Ludwig's two sons are members of the team. With Mrs. Ludwig, Mr. Ludwig and sons will attend the Third National Flower Show in New York.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 7720.

CHICAGO

Everything in Cut Flowers and Supplies.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids, Violets and Other Seasonable Stock.

Long Distance Phone
Central 3598.

We have a big supply of
Mexican Ivy
and a surplus of choice
MAGNOLIA LEAVES.

H. WITTBOLD

56 Randolph St., CHICAGO
Phone Randolph 4708

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

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Telephone, Central 3284.

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Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

HOERBER BROS.

Wholesale Growers of **Cut Flowers**

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., CHICAGO

U S Budlong's

E Blue Ribbon Valley.

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers
at Lowest Market Prices.

30 E. Randolph St., CHICAGO

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, April 2.	Per doz.
Roses, Beauty, specials.....	\$4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 28-in.....	2 00
" " 15-20-in.....	1 25@ 1 50
" " 12-in.....	75
" " Short.....	\$6 00
" Killarney.....	4 00@10 00
" White Killarney.....	4 00@10 00
" Richmond.....	4 00@10 00
" Prince de Bulgarie.....	4 00@12 00
" Radiance.....	4 00@12 00
" My Maryland.....	4 00@12 00
" Melody.....	4 00@12 00
" Mrs. Jardine.....	4 00@10 00
" Lady Hillingdon.....	4 00@12 00
" Sunburst.....	4 00@12 00
Carnations.....	1 00@ 3 00
Daffodils.....	3 00
Cattleyas.....per doz., 6 00@ 7 50	
Gardenias.....	2 00@ 4 00
Jonquils.....	3 00
Lilium Harrisii.....	10 00@12 50
Tulips.....	3 00@ 5 00
Violets.....	50@ 1 00
Valley.....	3 00@ 4 00
Sweet Peas.....	1 00@ 1 50
Adiantum Croweanum.....	1 00
Boxwood.....per lb., 25	
Ferns.....per 1000, 2 00@2 50	
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy.....per 1000, 5 00@6 00	
Plumous Strings.....each, 50@ 60	
Smilax.....per doz., 2 00@2 50	
Sprenger, Plumous Sprays.....	3 00@4 00

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond, Killarney and White Killarney roses. All orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

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Wietor Bros.

Wholesale Growers of **CUT FLOWERS**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

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Chicago Carnation Co.

Wholesale Florists,

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

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W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing



CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

Green Sheet Moss

For lining hanging baskets, for decorating
show windows, for covering soil on pot
plants, etc. 1 Bale (5 bundles).....\$1.25
5 bales (25 bundles)..... 6.00

GEO. H. ANGERMUELLER,
Wholesale Florist. ST. LOUIS, MO.

Philadelphia.

BUSINESS QUIET.

The general business of the flower stores has been quiet. With the exception of wedding decorations there is not much doing. The stock of flowers is more than ample and prices have sagged considerably. The feature of the market is the American Beauty rose, which is now coming in in large quantities, which condition the growers say will prevail for the next month. The best stock is offered for \$25 a hundred and window displays are seen in several of the stores which are pushing this variety before the new price, which is so far below that of the season, becomes common. All other varieties are to be had in quantity and of fine quality. Killarney roses are seen with three to four-foot stems, and exceptionally fine blooms, the best so far this season. Carnations are in full supply and of very good quality. There are rather more than the market will take, so that the street men get theirs at much their own prices on Saturday. The business done by these people on Saturday last cut quite a figure in the trade. They are barred from the principal streets, but it is astonishing how they take advantage of every opportunity. The alteration of a building gives a chance and an arrangement is made with the contractor, who sets back a little and a full-fledged temporary station is at once established. On Twelfth street, from Market to Filbert, some ten or twelve stands which handle low-grade stock, the accumulation of the week, do a great business on Saturdays in favorable weather. The popular price for carnations is two dozen for a quarter and to one who only handles fresh stock it is surprising to see what truck people will carry away at these figures. Much of the stock handled by the men with regular stands is good and fresh and brings prices that compare favorably with those of the stores. Violets are about gone. There are a few offered but they are not satisfactory. Sweet peas are in good demand, as is snapdragon, both of which flowers are now at their best. Easter and calla lilies are very plentiful and prices rule low.

NOTES.

The clean-up by the growers of Easter stock was very satisfactory. W. K. Harris sold out almost to a plant the immense stock that was offered for Easter. It was the same at the Robert Craig Co. establishment. Everything salable, and the stock here

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245.

P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, April 2.		Per 100
Roses, Beauty, extra.....	50 00@60 00	
first.....	20 00@35 00	
Brides and Maids.....	4 00@12 00	
Killarney.....	4 00@15 00	
White Killarney.....	4 00@15 00	
Liberty.....	6 00@15 00	
Carnations.....	3 00@ 5 00	
Cattleyas.....	35 00@50 00	
Daffodils.....	2 50@ 3 00	
Freesias.....	3 00@ 6 00	
Gardenias.....per doz., 1 00@ 2 00		
Lilium Harrisii.....	8 00@12 00	
Lily of the Valley.....	3 00@ 5 00	
Calla Lilies.....	10 00@12 00	
Marguerites.....	1 50@ 3 00	
Snapdragons.....	10 00@20 00	
Sweet Peas.....	75@ 1 50	
Violets, single.....	75@ 1 00	
double.....	75@ 1 00	
Asparagus.....per bunch, 50		
Tulips.....	2 00@ 4 00	

PITTSBURG, April 2.		Per 100
Roses, Beauty, special.....	50 00	
extra.....	30 00	
No. 1.....	15 00	
Killarney.....	3 00@10 00	
My Maryland.....	3 00@10 00	
Richmond.....	3 00@10 00	
Carnations.....	3 00	
Calla Lilies.....	12 00	
Freesias.....	3 00	
Gardenias.....	3 00	
Daisies.....	2 00	
Cattleyas.....	50 00	
Violets.....	50@ 75	
Sweet Peas.....	75@ 1 00	
Lilium Longiflorum.....	12 00	
Lilium Rubrum.....	8 00	
Lily of the Valley.....	4 00	
Daffodils.....	3 00	
Tulips.....	3 00	
Paper White.....	3 00	
Romans.....	2 00	
Poeticus Narcissus.....	1 00	
Oncidiums.....	4 00	
Lilac.....per bunch, \$1 00		
Asparagus Sprengeri, per bunch, 35@40		
Sprays....per bunch, 35@40		

MILWAUKEE, April 2.		Per 100
Roses, Beauty, per doz., 2 00@5 00		
White and Pink Killarney, 4 00@10 00		
Richmond.....	4 00@10 00	
Carnations.....	1 50@ 3 00	
Callas.....per doz., 8 00@10 00		
Easter Lilies.....	6 00@10 00	
Lily of the Valley.....	3 00	
Sweet Peas.....	50@ 1 50	
Tulips.....	3 00	
Trumpet.....	3 00	
Paper White.....	2 00@ 3 00	
Violets, Wisconsin grown.....	50@ 75	
Asparagus.....per string, 50		
Sprengeri, per bunch, 35		
Ferns, fancy.....per 1000, \$2 50		

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

Easter Lilies, Tulips, Daffodils, Violets,
all the popular roses. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist.
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

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Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones. Supplies and Everything in Season always on hand

Best Beauties--100, \$25.00.

The best in quality that you will find anywhere. We have the largest supply of **Beauties** in this market and can supply them in any quantity.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

Edward Reid

WHOLESALE FLORIST,
1619-21 Ranstead St., PHILADELPHIA, PA.
Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

U S Budlong's E Blue Ribbon Valley.

was much the largest they had ever offered, was sold, and the houses are already half filled or more with spring bedding stock which will be ready for sale in another fortnight.

This city will be very well represented at the great New York show, as all those who usually exhibit at the conventions will be there with their choicest products. A general desire to see this display and attend some of the meetings and lectures is heard on all sides and the attendance from this vicinity will equal that of any of the conventions.

The terrible disasters by storm and flood that have fallen on the florists in the central and western states has awakened the sympathy of the trade here, who have many of them contributed to the relief funds and stand ready to help in specific cases where the detailed reports show that such assistance is necessary and will be acceptable.

The M. Rice Co. has cleared its decks after their great Easter business and is getting ready for Memorial day. Porcelain flowered wreaths are a feature. Magnolia leaves are now sold in original case lots—much the best way to buy them, as the price is better and they keep until used.

American Beauty roses are a feature at the Leo. Niessen store, where an immense stock is now coming in daily. The quality is superb. Sweet peas and snapdragon are also much in evidence.

Edward Reid is featuring American Beauty roses. His stock is large and fine. Carnations and sweet peas are also headliners.

Berger Bros.' store offers roses and carnations in bargain lots. Sweet peas of highest grade are handled in quantity.

K.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids
BEST PRODUCED
226 Devonshire Street, BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, April 2.	
Roses, Beauty, special.....per doz.,	\$6 00
" " fancy.....	4 00
" " extra.....	3 00
" " No. 1.....	2 00
" " No. 2.....	50@ 75
" " Per 100	
" Maid and Bride.....	5 00@ 7 00
" Pink Killarney.....	5 00@12 00
" White Killarney.....	5 00@12 00
" Richmond.....	5 00@12 00
" My Maryland.....	4 00@10 00
" Aaron Ward.....	4 00@ 8 00
" Kaiserin.....	4 00@ 8 00
" Carnot.....	4 00@ 8 00
Carnations.....	1 00@ 3 00
Lilium Longiflorum.....	10 00@12 00
Lily of the Valley.....	3 00@ 4 00
Pink Japan Lily.....	3 00@ 5 00
Narcissus.....	2 00@ 3 00
Jonquils.....	2 00@ 3 00
Violets.....	50@ 75
Mignonette.....	3 00@ 5 00
Daisies.....	1 00@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus, Sprenger.....	35@ 50
Ferns.....per 1000,	\$2 50
Galax.....per 1000,	\$1 50
Smilax.....	15 00

BOSTON, April 2.	
Roses, Beauty, best.....	25 00@30 00
" " medium.....	12 00@20 00
" " culls.....	4 00@ 4 00
" White and Pink Killarney	2 00@ 6 00
" " Extra..	4 00@ 8 00
" Taft.....	4 00@10 00
" Cardinal.....	2 00@10 00
" Ward and Hillingdon.....	2 00@ 8 00
" Killarney and Richmond.....	2 00@ 8 00
" My Maryland.....	2 00@ 8 00
Carnations, select.....	2 00@ 3 00
Callas.....	8 00@12 00
Cattleyas.....	25 00@40 00
Gardenias.....	12 00@25 00
Lilium Longiflorum.....	8 00@10 00
Lily of the Valley.....	2 00@ 4 00
Sweet Peas.....	50@ 75
Smilax.....	12 00@16 00
Violets, single.....	35@ 75
" double.....	25@ 50

CINCINNATI, April 2.	
Roses, Beauty.....per doz.,	\$1 00@4 00
" " Per 100	
" Bride, Bridesmaid.....	3 00@ 8 00
" Killarney.....	3 00@ 8 00
" My Maryland.....	3 00@ 8 00
" Perle.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" Taft.....	3 00@ 8 00
Carnations.....	3 00@ 4 00
Callas.....	12 50@15 00
Lilium Giganteum.....	12 50@15 00
Lily of the Valley.....	3 00@ 4 00
Orchids.....per doz.,	4 00@ 6 00
Narcissus.....	2 00@ 3 00
Tulips.....	2 00@ 4 00
Jonquils.....	2 00@ 3 00
Dutch Hyacinths.....	3 00@ 4 00
Spanish Iris.....	50@ 1 00
Violets.....	50@ 75
" double.....	2 00@ 3 00
Freerias.....	35@ 1 00
Sweet Peas.....	25@ 1 00
Asparagus Plumosus.....per bunch,	35



Give Us a
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We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

**Jobbers of FLORISTS' SUPPLIES,
SEEDS and BULBS.**

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO
Wholesale Commission Florist
Consignments Solicited
Complete Stock of Florists' Greens and Supplies

St. Louis, April 2.	
Roses, Beauty, long.....per doz.,	4 00
Roses, Beauty, medium.....	8 00@15 00
Roses, Beauty, short stems.....	3 00@ 6 00
" Killarney.....	4 00@ 8 00
" My Maryland.....	4 00@ 8 00
" White Killarney.....	3 00@ 8 00
Carnations.....	2 00@ 3 00
Lilium Rubrum.....	8 00
Valley.....	4 00
Violets.....	40@ 60
Sweet Peas.....	20@ 60
Asparagus Sprenger.....	2 00@ 3 00
Asparagus Plumosus, per bu.,	35@60
Ferns, New, Fancy.....	1 75
Galax.....per 1000,	1.25

New York.

BUSINESS EXTREMELY POOR.

Gloom hovered over the wholesale district nearly all the past week. Business did not look very favorable on the Monday after Easter, but it was not expected that the bottom would fall out as it did by the middle of the week. Roses took an astounding drop and bulb stock and carnations were little better. Violets were also arriving—and that is about the best that can be said for them. The market is now flooded with yellow narcissi that have been shipped here from Richmond and Portsmouth, Va. It will be surprising if enough is realized on more than half of them to pay the expressage. A contributing feature to the bad business of the past week was the weather, which in the earlier days was unseasonably warm and at times sultry. Much stock arrived in poor condition and nothing would keep for any length of time. There was great slaughter in long stem American Beauty roses, prices going as low as \$5.00 to \$10.00 a 100. March 28 was decidedly colder and there was a better feeling, but stock continued very low and it looks as though a season of glut in the market has arrived. There was a slight improvement in the cut flower market on Saturday, March 29, but prices were very low.

Monday, March 31.—The market is glutted with stock and conditions could not be much worse. While we quote prices on good stock that sells, much is going at the buyer's own price and all that is being bought seems to make but slight inroads on the stock of the wholesalers. The weather has again turned warm and there is no relief for the market in sight.

NOTES.

The work of fitting up the new store of John S. Nicholas in the Grand Central Terminal is now well advanced, and he will soon take possession. After looking over this store we found that Mr. Nicholas had rather underrated than overrated its possibilities. Its expanse of plate glass fronting on Forty-second street is very large and there will be few stores in the city that can compete with it in opportunities for display.

Robert Clucas, son of Robert W. Clucas, the well known nurseryman of Sparkhill, N. Y., died March 26 of appendicitis. Misfortune has recently fallen heavily on Mr. Clucas. On March 17 his barn and all its contents, including horses and wagons, was destroyed by fire and the stableman who slept there was burned to death.

N. Christatos arranged a fine decoration for the Ladies' day reception at the National Democratic clubrooms March 27. Many white roses and other white flowers were used, the favors being orchids. The work of decorating was done by Charles Bird and Robert Christatos. The latter is a nephew of the proprietor of the store.

Mrs. Henry Gottlieb, mother of Myer Gottlieb, the well known retailer of Madison avenue and Fifty-eighth street, died March 23, aged 63 years. Mrs. Gottlieb was highly esteemed by a large circle of friends. She is survived by a husband, three sons and three daughters.

Visitors to the show will do well to be on the lookout for Reed & Keller's exhibit of florists' supplies. The always original Mr. Reed is believed to have had several new and very useful inventions up his sleeve in anticipation of this show.

At the several retail stores of Herman Warendorff on March 31, the day's receipts were turned over to Mayor Gaynor's fund for the relief of the Ohio flood sufferers.

Harry Philpot arrived here from England March 28 and will remain till after the Flower Show. On his ocean voyage he was accompanied by W. Wells, the well known English chrysanthemum expert.

Among the visitors of the past week was Thomas Roland of Nahant, Mass. Mr. Roland is deeply interested in the flower show and it is expected that his plant display will be a large feature.

The plant auction houses are very active. On March 28 the Elliott Auction Co. sold a great stock of dwarf, tree and climbing roses, rhododendrons and other plants and shrubs.

The Macniff Horticultural Co. held an auction on April 1 and will hold another April 4 to dispose of a large stock of boxwood, evergreens and roses.

Wm. C. Richards, treasurer of the New York Florists' Club, is assisting Secretary Young in preparing for the show.

A. F. F.

Boston.

USUAL AFTER-EASTER SLUMP.

With the usual clock-work regularity after a holiday the market went to pieces Monday. We had a fine Easter week and then an accumulation on the benches. Saturday the weather conditions were good and trade brightened and buying was more noticeable. American Beauty roses and everything else took a tumble. There is plenty of everything and the quality is good in all lines.

NOTES.

We were sorry to see reports that S. J. Reuter of Westerly, R. I., had had a paralytic shock. At present writing we have favorable reports as to his recovery. Mr. Reuter, as we have known him for many years, was a hard working, conscientious man, and built up his present large business by upright methods. We can ill afford to have such men as he drop out, and we sincerely hope Mr. Reuter will regain his health and enjoy many years of well-earned comfort.

We have had all kinds of weather the past week from 65 degrees one afternoon to 30 degrees at night, with thunder and lightning. A severe wind and rain storm hit this vicinity Thursday. While we have heard of no damage to greenhouse property the damage to manufacturing plants close to the rivers has been large, dams, bridges and roads in some places being washed away. Lawrence, Springfield and the adjoining towns are heavy sufferers.

The finest yellow Marguerites in the market come from N. A. Hudson, Natick. Mr. Hudson has been growing them for years, in fact that is his specialty and he tells us that the plants never have had any natural fertilizer. Commercial fertilizer is the only thing used, and by the looks of his plants and flowers he certainly has had wonderful success.

Down in South Natick, beside John Barr and the millionaires, Chamberlain & Gage have located their gladioli farm. Merton Gage is well known to the trade, and especially in the Gladioli Society, of which he is secretary. With his past experience we have no doubt of his future success in his present location.

The best snapdragon we have seen is from Jas. Wheeler, Natick; good flowers and stems four feet long.

Penn, the Florist, gave a banquet to his employees one night last week.

MAC.

AUBURN, IND.—The greenhouses of Ten Eyck & Son were damaged in the recent big wind storm. Glass on one house was badly broken up and the stack was damaged.

Baltimore.

BUSINESS BRISK.

The florists' windows on Charles street were masses of spring flowers for Easter as were the markets and the streets leading to the markets. Pots of hyacinths, lilies, azaleas, violets, etc., and the street men with their baskets of cut roses, violets and carnation, etc., made a charming picture. The early Easter made the out-of-door stock impossible. March has been cold and some of the florists who expected their crops to be on time were disappointed, the bulk being just a week later. Yet, there were fine roses, if not so plentiful, on the market and violets and carnations galore. Business seemed to be brisk.

NOTES.

John Cook of Catonsville, the rose specialist, who spent the winter at Miami, Fla., has returned. Mr. Cook has seven new roses growing which he will enter in competition with the floriculturists and horticulturists of this country and Europe for a prize of \$1,000 to be offered by the city of San Diego, Calif., and also a valuable silver cup to be offered in the Panama-Pacific Exposition rose contest in 1915. Mr. Cook is well known as a seedling rose producer. Some of the well known roses he has produced are Radiance, My Maryland, Admiral Schley, Baltimore, Helen Gould, and a number of others which have won great admiration and are still popular.

The next meeting of the Gardeners' Club will be held Monday, March 24, at the club room. The club held its annual banquet March 10.

I. H. Moss has fully recovered from an attack of neuritis and was very busy with the Easter trade.

E. W. and L. C. Stevenson have completed and are living in their new cottages at Aigbarth Park.

A number of local florists expect to go to New York for the International Flower Show, April 5.

Michael Hannigan of Pikesville is shipping some very fine roses to the Florists' Exchange.

Boyd Merritt is preparing to increase his range of glass this spring. B.



THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

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Shipping Labels



S. S. Pennock-Meehan Co.

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.



FOR CUT FLOWERS: in two colors on gummed paper: your card, etc., in black and leaf adopted by the S. A. F. in red
Price per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago

U S Budlong's E Blue Ribbon Valley.

Easter Trade in Brooklyn.

At Robert G. Wilson's, Fulton street and Green avenue, it was stated that they had had a great Easter. It is understood that Mr. Wilson will sell flowers in the Grand Central Palace during the flower show.

John Mangan, formerly well known in the wholesale trade of New York as an employe of Frank Millang, now has a good retail store at 413 Yates avenue. He had an exceptionally good Easter trade.

M. Grotewahl, who has a nice store and conservatory on Reid avenue, reports that it was the best Easter trade he ever had and that he was completely sold out.

Mrs. John S. Zscharna, who since the death of her husband has continued the business at 417 Nostrand avenue, was well pleased with the Easter business.

The numerous Brooklyn, N. Y., retailers, so far as heard from, are well satisfied with Easter business. The plant trade was particularly good.

Fred Muchmore, 1164 Fulton street, reports excellent business and everything sold. His stock of plants was very fine.

James Mallon's Sons had a fine business at both their Borough Hall and Smith street stores. A. F. F.

Jersey City.

May F. Kendall, who was with E. Bonnot for seventeen years, has now a nice store of her own at 532 Jersey avenue and is doing a good business.

John F. Madden, who has a very fine retail store at 768 Berger avenue, is very busy and reports having had an excellent Easter business.

Chas. Balling, who has a neat range at 884 Montgomery street and makes a specialty of forcing bulbs, says it has been a poor season.

Since the death of John Pearson his business has been continued by his family and seems prosperous.

Daniel Cole, once a well known retail florist of this city, is no longer in the cut flower trade. A. F. F.

Montreal.

EVERYTHING SELLS OUT.

Judging by reports from the various stores there appears to be no increase in the Easter trade this year over last season, and that is by no means unfavorable for everything was sold out on both occasions. Probably the receipts will be larger than ever. Prices were not higher but the stock was of better quality and naturally more expensive. Plants again were in favor over cut flowers. This even applies to lilies. As long as a lily could be had in a pot it was bought up in preference to the cut flower of which some were seen on Sunday. Roses in pots were very good and sold from one dollar up to five dollars. Some of the very large azaleas were hard to sell

Paul Meconi

Wholesale Florist

55-57 West 26th Street
NEW YORK CITY

Telephone: 3864 Madison Square

Wholesale Flower Markets

	NEW YORK, April 2.	Per 100
Roses, Beauty, special.....	37 00@47 00	
" " extra and fancy ..	2 00@ 5 00	
" " No. 1 and No. 2....	50@ 2 00	
" Bride, Bridesmaid special, ..	2 00@ 5 00	
" extra and fancy.....	2 00@ 3 00	
" No. 1 and No. 2.....	50@ 1 00	
" Killarney, My Maryland..		
" " special.....	5 00@ 7 00	
" " extra.....	3 00@ 5 00	
" " No. 1 and No. 2 ..	50@ 2 00	
" " Queen, special.....	7 00@ 9 00	
" " Red, special.....	7 00@ 9 00	
" Hillingdon, Aaron Ward.....	8 00@10 00	
" Richmond.....	5 00@10 00	
" Sunburst, special.....	3 00@12 00	
" Taft, special.....	9 00@12 00	
" Mrs. Geo. Sawyer, special.....	12 00@17 00	
Carnations.....	50@ 2 00	
Jonquils.....	50@ 1 00	
Cattleyas.....	25 00@60 00	
Gardenias.....	10 00@20 00	
Tulips.....	50@ 1 00	
Lilies, Longiflorum and Harrisii ..	5 00@ 6 00	
L. Rabrum.....	6 00	
Lily of the Valley.....	1 00@ 3 00	
Sweet Peas, per doz. bunches, ..	50@1 00	
Violets.....	10@ 20	
Adiantum Croweanum.....	15@ 50	
Asparagus Plumosus.....doz. bchs. 1	50@ 3 00	
Smilax.....per doz. strings, 1	00@ 1 25	
Lilac.....per bunch, 25@50c		

while the ordinary sizes sold without trouble. Made-up baskets sold well, except the very large ones. There seemed to be an absence of the best customers. At least everybody was satisfied with something next to the best. However, the quality of the stock was excellent.

NOTES.

W. Cotter has arranged to take a delegation of Montreal florists to the Third International Flower Show in New York next Saturday and hopes to return the following Wednesday. E. J. Hayward, president of the Montreal Gardeners' and Florists' Club, has been on the sick list but is getting better and hopes to go to New York with the rest. James McKenna will join the party to New York, but will sail from there to Europe. G. A. Robinson will also be there in the capacity of a judge.

P. McKenna & Son had an enormous stock of all kinds of plants. Their hydrangeas were the best ever seen here. They were mostly of the newer varieties and made a great hit.

Wilshire Bros. had a splendid lot of plants, especially of the bulbous sorts. A. C. Wilshire is a specialist in this line.

S. S. Bain was busy until the last moment, but he always sells out and finishes up before closing.

Maurice Wolf did a large business. He was overstocked with cut lilies, however.

Miss Cairns is well satisfied with her Easter trade. She had a fine line of lilies.

Hall & Robinson's lilies were superb, as were their roses.

Harris & Hopton had an immense stock in splendid shape.

Campbell's cut flowers were very fine. L.



HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St., NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Geo. C. Siebrecht

WHOLESALE FLORIST

109 West 28th St., NEW YORK

Tel. 608 and 609 Madison Square

CONSIGNMENTS SOLICITED

Guttman Flower Growers Co.

A. J. GUTTMAN, President.

Wholesale Florists

Removed to 102 W. 28th St., New York

Phone 1912 and 7983 Madison Square.

18 Years Experience.

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

ON YOUR WAY TO THE FLOWER SHOW

MAKE YOUR HEADQUARTERS WITH

THE HOUSE OF RICE :: 1220 Race Street PHILADELPHIA, PA.

Clean Sphagnum Moss

10 Burlap Bales . . . \$13.50
10 Wired Bales (large) 11.00

Vaughan's Seed Store
CHICAGO

Osmundine

(Osmunda Fibre or Orchid Peat.)

BROWNELL'S SUPERIOR QUALITY.

Used the World Over

Price List and Samples on Request

The C. W. Brownell Company
Walden, N. Y.

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of



Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

We are now filling orders for

Southern Wild Smilax

Price, \$3.00 per case

E. A. BEAVEN, Evergreen, Ala.

Mention the American Florist when writing

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,

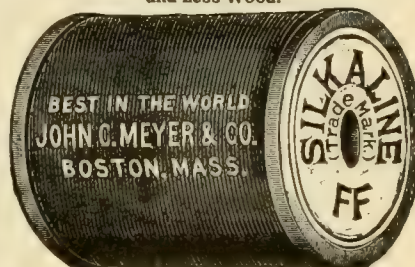
713-717 Milwaukee Ave., CHICAGO

MOSS

We have a surplus of 12 barrel bale New Jersey Moss, clean, fresh and burlapped, and will deliver anywhere in Chicago, express prepaid, at \$5.00 per bale, 2 or more bales at \$4.75. By freight collect at 25c per bale less. Satisfaction guaranteed or money refunded.

KLEHMS' NURSERIES, Arlington Heights, Ill.

Do Not Take Any Fake Green Thread. Use the Genuine Silkline and Get More Thread and Less Wood.



JOHN C. MEYER THREAD CO., 1495 Middlesex St., Lowell, Mass.

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes

The MEYER Green

SILKALINE

Used by Retail Florists for mossing funeral designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it will not fade or rot in the greenhouse. The Meyer Silkline was the first green thread to be introduced among Florists and Growers. It is handled by the best houses everywhere, but it should be ordered by name—Meyer's Silkline—to be sure of getting the genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the manufacturers. Price for any size or color, \$1.25 per lb. Sizes "F" fine, "FF" medium, and "FFF" coarse

Lowell Thread Mills, 1495 Middlesex St., Lowell, Mass.



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies.

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All phone connections.

DETROIT, MICH.

SPHAGNUM MOSS

"The Jersey" kind; Burlapped; selected stock. Ten Barrel Bales. 1 bale, \$3.80; 5 bales, \$3.60 ea.; 10 bales, \$3.40 ea.; 25 bales, \$3.20 each. 5% off cash with order.

LIVE SPHAGNUM, \$1.25 per bale.
ROTTED PEAT, 60c each.

J. H. SPRAGUE Barnegat, N. J.

Nothing Can Improve on Nature

1886 1913

Southern Wild Smilax in limited quantities, in the standard sixteen cubic foot cases, \$3.00 per case.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.
EVERGREEN, ALABAMA.

Best Quality Fancy Ferns

\$1.50 per 1000

DISCOUNT ON LARGE ORDERS.

Robert Groves, 127 Commercial St.
ADAMS, MASS.

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

The Best Color Chart

For Florists, Seedsmen
and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO.,
Chicago, U. S. A.

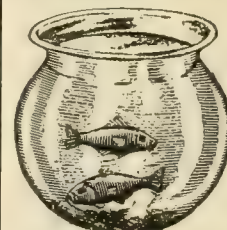
Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schnayler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.

Published and For Sale by the

American Florist Co., 440 S. Dearborn St.
CHICAGO
PRICE, ONE DOLLAR, POSTPAID.

GOLDFISH



"Something
Alive in the
Window"

Catches
the public eye.

Order your
supply now.

\$3.00 per 100
and up.

Write for catalog

AUBURNDALE GOLDFISH CO.
920 W. Randolph Street, CHICAGO

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

GREAT BRITAIN**WILLS & SEGAR,**

Royal Exotic Nursery,

Onslow Crescent, S. Kensington, London

FLORISTS TO HIS MAJESTY THE KING.

We shall be glad to carry out commissions from our American confreres to deliver
Cut Flowers, Floral Baskets, Floral Designs,
Baskets of Choice Fruit, Etc.
to American visitors in any part of Great Britain.

Cablegrams — "FLOSCULO, LONDON."

DULUTH, MINN.

2 STORES 2

SUPERIOR, WIS.

J. J. LEBORIOUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
Mention the American Florist when writing



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"WILSON"

3 and 5 Greene Ave., Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., a Phone 3908 Prospect.

Greenhouses: Short Hills, N. J.
—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Terre Haute, Ind:

John G. Heint & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail,
Telephone, Telegraph and Cable orders with
best quality stock in season.

Mention the American Florist when writing

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

April 8.

Noordam, Holland-America, 10 a. m.
Prince Friederich Wilhelm, North Ger. Lloyd,
12 noon.
Canada, Fabre, 3 p. m.

April 9.

FROM ST. JOHN, Hesperian, Allan.
FROM BALTIMORE, Frankfort, North Ger.
Lloyd, 2 p. m.
Argentina, Austro-American, 1 p. m.

April 10.

La Lorraine, French.
Laurentie, White Star, 12 noon.
President Grant, Ham.-Amer., 11 a. m.
United States, Scand.-Amer., 2 p. m.
FROM ST. JOHN, Saturnia, Donaldson.
African Prince, Prince.

April 11.

FROM ST. JOHN, Victorian, Allan.
Philadelphia, American, 10 a. m., Pier 62,
North River.
FROM PHILADELPHIA, Manitou, Red Star, 10
a. m.

April 12.

California, Anchor, 11 a. m., Pier 64, North
River.
Franconia, Cunard.
Chicago, French.
Kronland, Red Star, 10 a. m., Pier 61, North
River.
Cedric, White Star, 12 noon.
Olympic, White Star, 12 noon.
FROM PORTLAND, Arabic, White Star, 10 a. m.
Amerika, Ham.-Amer., 10 a. m.
FROM PHILADELPHIA, Graf Waldersee, Ham.
Amer., 11 a. m.
Princess Irene, North Ger. Lloyd, 11 a. m.
Homereus, Houston.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to
any part of the United States, Canada
and all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Reference or Cash must accompany all orders
from unknown correspondents.

Cable address: ALEXCONNELL,
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HAISCH'S

87 Madison Avenue

L. D. Phone 726

All orders filled carefully and promptly deliver-
ed in Memphis and all the adjoining states.
Arkansas, Mississippi, Alabama and Tennessee.

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of **NEW YORK**

And give special attention to steamer and theater
orders. Prompt delivery and best
stock in the market.

Mention the American Florist when writing

Dallas, Texas.

**The Texas Seed and
Floral Company**

Orders for cut flowers and designs solicited for
delivery in any part of Texas.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, **DARDSFLOR.**

Member Florists' Telegraph Delivery.
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Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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**WILLIAM L. ROCK
Flower Co.**

Will execute orders for any
town in
MISSOURI, KANSAS OR OKLAHOMA.
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W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

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LA CROSSE FLORAL CO.

BOTH PHONES No. 40
LONG DISTANCE No. 40
Careful Attention To All Orders.

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Atlanta Floral Co.

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**"Penn, The Telegraph Florist"**

Member of Florists' Telegraph
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Hess & Swoboda

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1501 and L 1582

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Alpha Floral Co., Des Moines, Ia.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
California Florists, Tacoma, Wash.
Carbone, Philip L., Boston.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 93 Yonge St., Toronto, Can.
Eyes, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Haisch's, Memphis, Tenn.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthewson, J. E., Sheboygan, Wis.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McClunie, Geo. G., Hartford, Conn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Ostertag Bros., St. Louis.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pellicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Philips Bros., Newark, N. J.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Wills & Segar, London, England.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

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John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

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Mention the American Florist when writing

WASHINGTON
D. C.**Gude's**

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Mention the American Florist when writing

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Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

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FLORISTS**

241 Massachusetts Avenue.

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PELICANO, ROSSI & CO.,
123 KEARNY ST.

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"The Saltford Flower Shop."

Vassar College and Bennett School.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.
Mention the American Florist when writing

M. A. Bowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.
Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones.
Mention the American Florist when writing

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A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE

Montreal

McKenna

Cor. St. Catherine and Gay Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

FLOWER COLORS

Use our Color Chart in describing them.

PRICE, \$1.00, POSTPAID.

AMERICAN FLORIST CO.

440 South Dearborn Street, CHICAGO

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

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Albany, N. Y.—Eyles, 11 N. Pearl St.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Penn, the Florist, 43 Bromfield St.
Boston—Philip L. Carbone.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Hartford, Conn.—Geo. G. McClunnie.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Memphis, Tenn.—Halsch's.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Regerow's.
Newark, Ohio.—Chas. A. Duerr.
Newark, N. J.—Phillips Bros.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
Sheboygan, Wis.—J. E. Matthewson.
St. Louis, Mo.—Ostertag Bros.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Heintz & Son.
Tacoma, Wash.—California Florists.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Blackstone.
Washington—Geo. H. Cooke, Conn. Ave. and L.
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Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus
Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to
orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.
Jefferson and Washington Ave.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of

GEORGE ASMUS, Mgr

Wire, Write or Phone West 822

Member Florists' Telegraph Delivery.

Mention the American Florist when writing

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J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heini)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

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Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

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Phone 5297 Plaza.

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No. 22 West 59th Street
Adjoining Plaza Hotel

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Philip L. Carbone

IMPORTER

Florist and Decorator

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

PHILIPS BROS, 938 Broad St.

NEWARK N. J.

Artistic Floral Work and Long Stem
Beauties Our Specialty.

Hartford, Conn.

GEORGE G. McCLUNIE

187 Main Street

'FLOWERS' Your Orders Solicited

My Only Store. Phone Charter 6535-2

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GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone
orders.

Tacoma, Wash.

California Florists

will take care of all telegraphic orders.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

Louisville, Ky.

F. Walker & Co.,
FLORISTS

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

Mention the American Florist when writing

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
CANAL ST.

Mention the American Florist when writing

Washington, D. C.

Blackistone

14th and H. Street.

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Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries
throughout the state and to all steamship docks
in Hoboken, N. J., and New York.

Mention the American Florist when writing

For Wisconsin Delivery

—OF—

"HOME GROWN FLOWERS"

Get in touch with

J. E. Matthews
SHEBOYGAN, WISCONSIN

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Choice Plants

Large Supply of Fine Decorative Plants, Palms and Table Ferns.
Send all orders direct to plant department.



Ficus Pandurata, strong, 6-inch \$3.50 each
Ficus Elastica, strong, 6-inch 75c to \$1.00 each
Dracaena Massangeana, well colored, 6-inch, \$1.00 to \$1.75 each
Pandanus Veitchii, highly colored, 5-in., \$1.00 each;
 6-in., \$1.50 each; 7-in., \$2.50 each

Palms

Kentia Forsteriana and Belmoreana, all sizes from 4 to 12-inch
 tubs in fine condition. Fine decorative stock ranging in price from
 35c to \$15.00 per plant.

Table Ferns--10 Varieties

2 1/4-in. pots, \$3.50 per 100; \$30.00 per 1000.
 3-in., strong, \$6.00 per 100; \$55.00 per 1000

Pansies

Strong transplanted seedlings for early blooming,
 choice strain, \$5.00 per 1000

POEHLMANN BROTHERS CO.
MORTON GROVE Plant Department ILLINOIS

CARNATIONS

Rooted Cuttings, Season 1913.

Ready Now.

	Per 100	Per 1000
Rosette.....	\$6 00	\$50 00
St. Nicholas	6 00	50 00
Benora.....	6 00	50 00
Gloriosa.....	4 00	30 00
White Wonder.....	3 00	25 00
White Perfection.....	3 00	25 00
White Enchantress.....	3 00	25 00
Enchantress.....	3 00	25 00
Rose Pink Enchantress.....	3 00	25 00
Scarlet Glow.....	3 00	25 00
Mrs. C. W. Ward.....	3 00	25 00
Bonfire.....	3 00	25 00

Rooted Cuttings Our Specialty. Fine stock:
 even size; well rooted cuttings.

F. DORNER & SONS CO.
 LA FAYETTE, IND.

PALMS, FERNS AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
 BROOKLYN N Y

MOSCOW, IDAHO.—Scott Bros. report
 a good Easter trade. They supplied
 a local department store with more
 than 1,000 carnations. Funeral work
 has been heavy. The winter has been
 a hard one on the coal bins.

VAUGHAN'S CANNAS

Strong 2-Eyed Bulbs.

	Per 100	Per 1000		Per 100	Per 1000
Beaute Poitevine.....	\$ 4.00	\$ 30.00	Long Branch	\$ 6.00	\$55.00
Chas. Henderson....	4.00	30.00	Mad. Crozy.....	4.00	35.00
Comte de Sach.....	6.00	50.00	Milwaukee.....	4.00	35.00
David Harum.....	4.00	35.00	New Chicago.....	10.00	90.00
Dwarf Fl. Vaughan.....	4.00	35.00	New York.....	5.00	40.00
Egandale.....	4.00	35.00	Prince Wied.....	10.00	90.00
Julius Koch.....	15.00	125.00	The Express.....	6.00	50.00

250 at the 1000 rate.

Chicago **Vaughan's Seed Store** New York

Greenhouses and Nurseries, Western Springs, Ill.

VERBENAS



Finest in the land, best
 mammoth varieties, true
 to name. Seedlings are
 disappointing. Get the
 true stock, at 70c per 100.
 \$6.00 per 1000; Mrs. F. San-
 der, \$1.25 per 100, \$10.00
 per 1000. **Coleus**, finest
 named varieties, a grand
 collection, at 70c per 100.
 \$6.00 per 1000. **Pansies**,
 Roemer's Prize Winners
 (Germany), large, fine
 plants, 50c per 100, \$4.00
 per 1000. **Daisies**, Cali-
 fornia and Queen Alexan-
 dra, \$1.00 per 100, \$8.00
 per 1000. **Ageratums**, 60c
 per 100, \$5.00 per 1000.
Alternantheras, three
 varieties, very strong, 60c per 100, \$5.00 per 1000.
Feverfew, "Little Gem" (True), \$1.25 per 100,
 \$10.00 per 1000. **Salvias**, Bonfire and St. Louis.
 \$1.00 per 100, \$8.00 per 1000. We prepay express.

C. HUMFELD,

The Rooted Cutting Specialist, Clay Center, Kan.

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A. N. Pierson, Inc.
 Wholesale Florists
 CROMWELL, - CONN.

John Bader Co.

B. L. ELLIOT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Mention the American Florist when writing

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

ROCKFORD, ILL.—H. W. Buckbee and wife returned this week from a winter vacation in California.

J. J. VAN WAVEREN of L. Van Waveren & Co., Hillegom, Holland, is again calling on his American customers and was in Chicago, April 1.

VISITED CHICAGO: Harold Beale and F. A. Gardiner, of James Carter & Co., London, Eng., enroute to the Pacific Coast; Linnaeus Allen, Floral Park, N. Y.

GRAND RAPIDS, MICH.—A certificate of business conducted under an assumed name has been filed by J. F. French, A. C. Aspinwall and C. J. Hall of the Northern Seed Co.

CHICAGO onion set prices remain about the same or a trifle easier except that commission dealers have had their outgoing orders blocked by flood troubles along railroad lines. Warm weather keeps the picking gangs busy in the storage houses.

THE French bulb crop outlook remains about the same. Continued drought to March 20 made prospects poor and caused the Growers' syndicate to postpone their meeting for fixing prices to May 4. Only irrigated fields are doing well and these produce but a small part of the crop.

A NUMBER of careful seed dealers have found new crop western peas frequently of unsatisfactory vitality for reasons which they have not as yet been able to decide on. It has been suggested that the drying of the grain by the hot winds while still green, drying same in two to three days when under normal conditions they should take two weeks or more to dry, is having some effect on the vitality of the seed.

Illinois Grower Wants Federal Law.

One firm of seed corn dealers, G. D. Sutton Co., Mason County, Ill., tell their customers they have found too much fraud in the seed business—"Too much seed sold by unscrupulous seedsmen," they say, but they add that they are honest. Read how they knock the seedsmen as a class. They do not say there are any seedsmen afraid of government inspection, but they say "The seedman who is afraid of such inspection should be compelled to get out of business." They seem to be very desirous of having their industry branded as "fraudulent" by Federal law.

FROM G. D. SUTTON CO. CATALOGUE.

"We favor a federal law placing all seed firms under Government inspection. There is too much fraud in the seed business. Seeds should be sold true to name and of germinating powers of 90 per cent or better.

"Too much seed is sold by unscrupulous seedsmen that has no merit. Poor in quality and low in germination. The seedsmen who is afraid to have a Government official inspect his

stock and investigate his methods should be compelled to get out of business.

"The seed corn men who get out big catalogs, making all kinds of promises and then fill their orders with any old corn, are on a par with the fellows whom Uncle Sam has been sending to the pen for using the mails to defraud.

"We fill our houses early in the fall with the very best of seed. We dry it, test it, and when it is all sold, we are through for that season, and return the money to our farmer friends who send us orders after we are sold out.

"Many of the seed corn men who get out the biggest catalogs and make the biggest promises, and sometimes steal our pictures of corn, do not do this. They put up a little corn in the fall, depend on buying their stock from farmers' cribs or the elevators, and are never out of (?) seed corn as long as they get an order to fill, and never return any money if they get their fingers on it.

"These are the fellows who ought to be driven out of the seed corn business by Government inspection."

Breck's Club.

BANQUET AND SMOKE TALK.

Breck's Club of Salesmen connected with Joseph Breck & Sons' Corporation, Boston, Mass., held its bi-monthly meeting and dinner at the Quincy House, Saturday evening, March 29, 35 members being present. Robert Montgomery presided. This is the third year of existence of the club and the ninety-first anniversary of the establishment of the corporation, which started business in a small way in part of its present location in 1822. The business has always been conducted by members of the Breck family, the fourth generation starting in at the foot of the ladder within the past two years. Charles H. Breck, president of the corporation, was present and extended the felicitations of the firm with best wishes for the continued success of the club. A. E. Robinson, vice-president and general man-

ager of the Breck-Robinson Nurseries at Lexington, gave an interesting lecture on "Modern Nursery Methods," illustrated by many fine views. Mr. Robinson extended an invitation to the members to visit the nurseries about the middle of April, which was gratefully accepted. Wm. Downs, superintendent of the E. S. Webster estate at Chestnut Hill, well and favorably known by the gardening fraternity and for his many fine exhibits at the shows of the Massachusetts Horticultural Society, gave a talk on "Care of Greenhouses," which was well received. The way he treated his subject showed an intimate knowledge of his work. Thos. J. Grey, formerly of the T. J. Grey Co., who lately joined the Breck sales force, was introduced and talked most interestingly of many pleasant relationships enjoyed in the past with members of the concern and older employees. Breck's orchestra, John Russell, leader, assisted by the glee club, gave excellent entertainment. The full orchestra of 14 pieces is to appear before the Boston Florists' Club at an early date.

New York Seed Trade Notes.

The following New York seedsmen have taken space at the Third International Flower Show: W. E. Marshall & Co.; Peter Henderson & Co.; J. M. Thorburn & Co.; Burnett Bros.; A. T. Boddington.

At the store of W. E. Marshall & Co., on March 31, it was said that there was a good general demand for spring seeds and that it had been somewhat hastened by the warm weather.

Counter trade was very brisk at Vaughan's Seed Store during the past week. A. F. F.

PEAS, BEANS, CUCUMBER

Growers for the Trade.

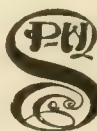
Ask for our growing prices for crop 1913 Peas, Beans and Cucumber Seed.

Also for prices for immediate shipment.

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited

ASPARAGUS LUTZI

The most striking novelty of Asparagus in Europe. Import orders booked now for pot-grown seedlings, \$3.00 per 100; \$27.50 per 1000, f. o. b. New York. Terms: Net cash.

LOECHNER & CO., 11 Warren Street, NEW YORK,

BRASLAN SEED GROWERS COMPANY, INC.

ONION, LETTUCE, CARROT and RADISH SEED

San Jose, California

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers
SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS

SURPLUS SEED

FIRST CLASS STOCK
AT BARGAIN PRICES

Sweet Peas, Standard and Spencers;
Nasturiums, tall and dwarf mixed;
Cabbage, French grown Early
Winningstadt; Oxheart Carrot,
French grown; Lettuce, 5 varieties;
Onions, 8 varieties; Radishes,
7 varieties.

TOMPKINS & CO., Inc.
LOS ANGELES, CAL.



H. WREDE
LUNEBURG, GERMANY
PANSY SEED

180 First Prizes, the highest
awards Chicago, Paris, London,
Bruxelles.

1000 seeds, finest mixed...25c
1 oz.\$2.25

Price list on application. Cash with order

DAMMANN & CO.,

Seed Merchants to His Majesty the King of Italy
SAN GIOVANNI A TEDUCCIO, near Naples
Headquarters for **CAULIFLOWER** and **WHITE**
TRIPOLI ONION SEED, (Crystal Wax), and
all other **VEGETABLE** and **FLOWER SEEDS**
THE LARGEST GROWERS IN ITALY.

Established 1877.

Wholesale Catalogue in English, (containing also
all Italian specialties). Special Offers and
Italian Catalogue on application.

Western Seed & Irrigation Co.

Wholesale Seed Growers and Dealers

SPECIALTIES:

Sweet, Flint and Dent Corn; Cucumber,
Musk and Watermelon; Pumpkin and
Squash.

FREMONT : NEBRASKA

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

FRANZEN'S SEEDS
SURE TO GROW

Asters, Queen of the Market.....oz. \$0.50
Ageratum, Blue, .oz. \$0.60. Snapdragon.....75
Alyssum, Little Gem.....30
Lobelia, Emperor William, Blue.....75
Pansy, Giant Strain.....1.25
Petunia, Superfine Mixed.....75
Phlox, Drummond Mixed.....55
Stock, Ten Week Double.....1.00
Verbena Hybrida, Mixed.....55
F. O. FRANZEN, 1476 Summerdale Av., Chicago
Send for trade list.

CONTRACT SEED GROWERS

Pepper, Asparagus, Tomato, Musk and
Water Melon. For sale: Asparagus,
Horse Radish and Rhubarb Roots.
Correspondence Solicited.

J. E. Hoopes & Co.
P. O. Box 38 MUSCATINE, IA.

Henry Fish Seed Co.
Bean Growers

For the Wholesale Seed Trade.

CARPENTERIA, CALIF.

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Mention the American Florist when writing

LAWN GRASS SEED

WHOLESALE ONLY

J. OLIVER JOHNSON

1874-76 Milwaukee Avenue

CHICAGO, ILL.

Mention the American Florist when writing

Tuberose

DWARF DOUBLE PEARL

\$12.00 per 1000

Excellent Quality.

Lily of the Valley Pips

Cold Storage Berlin and Hamburg.

Per case of 1,000.....\$12.00

Per case of 3,000.....\$32.00

Write for a copy of our Florists' catalog.

J. M. Thorburn & Co.

"THE MOST RELIABLE SEEDS."

33 Barclay St. (T12) New York, N. Y.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Maskmelon, Squash and Pumpkin.

Sweet, Flint and Dent Seed Corn

R. & M. GODINEAU,
SEED GROWERS,

Angers - France.

Specialties: Beets, Mangoes, Carrots, Cabbages,
Celeries, Parsleys, Parsnips, Turnips.

Growing Crops Given Personal Attention.

Mention the American Florist when writing

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

New Zealand Grown
Garden Peas

Surplus Offer of

Gradus Crop 1912

in original sacks of 3-15 bus. net. Price \$6.75 per
bu. of 60 lbs. f.o.b. New York. Terms: Net Cash.
We are also quoting prices on other New
Zealand Peas, crop 1913 - which is at present har-
vested - and are booking contract order of 1914.
Write for particulars.

Loechner & Co.

11 WARREN ST., NEW YORK

Sole Agents for

F. COOPER, Ltd., Wellington, N. Z.

Mention the American Florist when writing

VICK Quality **VICK**
Aster Seed

Aster Book Now Ready

Aster Book and Wholesale Cat-
alogue of Best Quality Seeds for
Florists and Commercial Growers

James Vick's Sons
ROCHESTER, N. Y.

ROSES, CARNATIONS,
PLANTS, SEED, BULBS.

Send us your wants. We will take care of them.
We supply stock at market price. Catalogue for
the asking.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA.

SEEDS Best that grow. We sell direct
to gardeners and florists at whole
sale. Big, beautiful catalogue
free. Write today.
ARCHIAS SEED STORE, Box 98, Sedalia, Mo
Mention the American Florist when writing



OUR NEW SCARLET CARNATION

THE HERALD

The only Scarlet to win First Prize best 100 Scarlet: Cincinnati, November 1911; St. Paul, November, 1912 and Cleveland, November, 1912. Rooted Cuttings ready now.

\$12.00 per 100; \$100.00 per 1000.

Other varieties also ready for Immediate Delivery:

	100	1000		100	1000		100	1000
Gloriosa, medium pink.....	\$4.00	\$35.00	Enchantress.....	\$3.00	\$25.00	Scarlet Glow.....	\$3.00	\$25.00
Benora, variegated.....	6.00	50.00	White Enchantress.....	3.00	25.00	Washington.....	3.00	25.00
Princess Charming.....	3.00	25.00	Victory.....	3.00	25.00	Rose Pink Enchantress	3.00	25.00
			Beacon.....	3.00	25.00	May Day, deep flesh...	3.00	25.00

Very low prices on large lots.

JANUARY CUTTINGS FROM SOIL. Strong healthy plants in the following varieties at \$30.00 per 1000:

Enchantress, White Enchantress, Rose Pink Enchantress, Beacon and Victory.

Send us your list for quotations.

CHICAGO CARNATION COMPANY, A. T. PYFER, Mgr. 30 E. Randolph St., CHICAGO, ILL.

BULBS! BULBS! BULBS!

Send for 1912 Catalog, and get your Bulbs direct from grower (not merchant.)

Sole organizer of the magnificent Exhibition of Flowering Bulbs at the Dutch Village, Ideal Home Exhibition, Olympia, London 1912.

Grower of the Begonias, Hyacinths, Tulips, Narcissus etc., for the Gardens of the International Peace Palace at the Hague.

M. J. GULDEMOND,

Wholesale Bulb Grower and Exporter

Lisse, Holland.

Mention the American Florist when writing

HAVE LOVELY SHELL-PINK

CREGO ASTER SEED

½ oz., \$1.00; oz., \$2.00; 2 ozs., \$3.50

Sunshine Flower Gardens,

3365 East 139th Street, CLEVELAND, OHIO

Mention the American Florist when writing

—FOR—

SEEDS

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited
Boston, England

Mention the American Florist when writing

100,000 CANNAS

Best Named Varieties. Write for Prices.

F. F. SCHEEL,
Shermerville, - Illinois.

FOR SALE

10,000 Mixed Cannas

Composed of high-class varieties, \$9 per 1000; also a quantity of named varieties, \$15 per 1000.

V. L. CRAWFORD,
MERIDIAN, - MISSISSIPPI

ROSE PLANTS, 2½-in. pots

	Per 100	Per 1000		Per 100	Per 1000
American Beauties.....	\$5.00	\$45.00	Melody.....	\$4.00	\$35.00
White Killarneys.....	4.00	35.00	Sunrise.....	4.00	35.00
Pink Killarneys.....	4.00	35.00	Richmonds.....	3.00	25.00

TWO YEAR OLD BENCH PLANTS—GOOD STOCK

American Beauties, \$6.00 per 10; \$55.00 per 100. White Killarney, Pink Killarney, Richmond Sunrise, \$4.00 per 100; \$35.00 per 1000.

PETER REINBERG,

30 E. Randolph St.,

CHICAGO.

40,000 Grafted and Own Root Rose Plants

Grafted Stock: Richmond, White Killarney, Pink Killarney, Kaiserin, 2½-in pots. Price, \$10.00 per 100; \$100 per 1000. Ready NOW. 3½-inch pots, \$15.00 per 100; \$145.00 per 1000. Ready last of April.

Own-Root Stock: My Maryland, Pink Killarney, White Killarney, Richmond, Kaiserin, Perles. 2½-in. pots. Price \$5.00 per 100; \$45.50 per 1000. Ready in April. 3 in. pots. Price \$7.00 per 100; \$60.00 per 1000. Ready in May.

CARNATION CUTTINGS: Price, \$3.00 per 100. 2½-in. pots, \$6.00 per 1000.

J. L. DILLON,
BLOOMSBURG, - PA.

ROOTED CUTTINGS.

	Per 100	Per 1000
Verbenas.....	\$0.70	\$ 6.00
Ageratums.....	.60	5.00
Heliotrope, Daisies, Salvias..	1.00	8.00
Feverfew, Petunias.....	1.25	10.00
Coleus.....	.70	6.00
Alyssum, Double.....	1.00	8.00

Cash with orders. Express Paid. Write

S. D. Brant, Clay Center, Kans.

For Sale.

Rhododendrons Catawbiense and Maximum, also Kalmias

We make a specialty of carload lots.

Write for Prices.

L. R. STRICKER & CO., ASHEVILLE, N. C.

NICE YOUNG

ROSE STOCK

2½-inch pots.

American Beauties,
\$6.00 per 100; \$50.00 per 1000.

Kaiserin Aug. Victoria,
\$4.00 per 100; \$25.00 per 1000.

J. A. BUDLONG,

82 East Randolph Street, CHICAGO.

Mention the American Florist when writing

NATIONAL FLOWER SHOW SPECIAL NUMBER
NEXT WEEK. SEND ADVTs. NOW.

Spring Bulbs

For Counter Trade



AMERICA.

WELL MATURED
TRUE TO NAME
FREE FROM DISEASE
CAREFULLY PACKED

GLADIOLUS.

Of several leading kinds we can supply planting stock, white bulbs under one inch and small black bulblets by the bushel.

	Per 1000
Mrs. Francis King , medium size.....	\$15 00
Augusta , first size.....	18 00
" medium size.....	13 00
America , first size..... (3,000 for \$66 00)	25 00
" medium size, while unsold.....	20 00
Kunderdi Glory , first size.....	40 00
Chicago White , the one best early	50 00
Princeps (King of all Gladioli).....	90 00
Brenchleyensis	12 00
Ceres	15 00
Shakespeare	38 00
Florist Mixture (Light colors).....	15 00



CALADIUMS.

(Esculentum) Per 1000

5 to 7-inch.....	\$ 15.00
7 to 9-inch.....	30.00
9 to 11-inch.....	55.00

TUBEROSES

True Dwarf Pearl. Per 1000

First Size, 4-6-inch.....	\$10.00
Medium, 3-4-inch.....	4.50
Mammoth, 6-8 inch.....	15.00



Tuberous Rooted Begonias

	Per Doz.	100	1000
Single Sorts, white, scarlet, yellow, pink.....	\$.40	\$2.50	\$22.00
Single Sorts, mixed.....	.35	2.25	20.00
Double Sorts, white, scarlet, yellow, pink.....	.65	4.50	40.00
Double Sorts, mixed.....	.60	4.00	37.50

COLD STORAGE LILIES.

LILIUM GIGANTEUM.

Per case

7 to 9-inch (300 bulbs to case).....	\$18.00
8 to 10-inch (225 bulbs to case).....	15.75
9 to 10-inch (200 bulbs to case).....	17.00

LILIES, Dormant Bulbs.

Per 100

Album, 9 to 11-inch.....	\$12.50
Auratum, 9 to 11-inch.....	10.00
Rubrum, 8 to 9-inch.....	6.00
Rubrum, 9 to 11-inch.....	9.00

VAUGHAN'S SEED STORE

GREENHOUSES AND NURSERY, WESTERN SPRINGS, ILL.

CHICAGO
NEW YORK

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

Prices of Indoor Fruits and Vegetables.

Chicago, March 31.—Mushrooms, 20 cents to 60 cents per pound; lettuce, 12½ cents to 15 cents, small cases; radishes, 20 cents to 45 cents per dozen bunches; pieplant, 20 cents to 40 cents per bunch; cucumbers, 75 cents to \$2.75 per box of two dozen; asparagus, \$2.50 for 24 bunches.

New York, March 29.—Cucumbers, 50 cents to \$1.00 per dozen, and \$4 to \$5 per box; mushrooms, 75 cents to \$1.80 per 4-pound basket; tomatoes, 10 cents to 15 cents per pound; radishes, \$1.25 to \$2.25 per 100 bunches; mint, 25 to 65 cents per dozen bunches; rhubarb, 30 cents to 60 cents per dozen bunches; lettuce, 25 cents to 50 cents per dozen; beet tops, 25 cents to 75 cents per box.

Chicago Vegetable Growers' Association

The Chicago Greenhouse Vegetable Growers' Association was organized last month with a membership of sixty. The officers elect are: Peter J. Schumer, president; Peter Andre, vice-president; John P. Wagner, secretary; Charles Hengesch, treasurer. The object of the organization is the mutual protection of members and the advancement of their interests. This organization will co-operate with the federal and state governments for the advancement of market gardening. The association recommends the adoption of a lettuce box 8 x 10 x 20 inches and advocates out of town shipping. The next regular meeting will be held April 6, at 2 p. m., at the Arcanum Hall, 7013 Ravenswood Park avenue. Everyone interested is cordially invited to attend, as the charter will be read and a publicity campaign outlined.

Missouri Botanical Garden.

The largest display of bulbous plants ever opened to the public of St. Louis and vicinity can be seen at the Missouri Botanical Garden at the present time. This display includes tulips, lilies, narcissi, daffodils, and hyacinths in almost endless variety. As you enter the new greenhouses you get a magnificent view of palms, spiraeas, English primroses, Primula obconicas, etc. The primula display alone consists of about 800 plants, which make a fine showing. From this section you pass into the bulbous plant house

GERANIUMS

Per 100

S. A. Nutt, and four other varieties, 3-in. pot, \$4.00
 " " " " " 2½-in. " 3.00
 Coleus, 10 varieties 2½-in. pots, 2.00
 Asparagus Plumosus and Sprengeri, 2.00
 Alternanthera red and yellow, 2½-pots, 2.00
 Pansy Plants April 1st in bud, 1.50

CASH

JOSEPH H. CUNNINGHAM, Delaware, Ohio

proper. Here a lover of bulbous flowers can spend several hours studying the different plants. In one group may be seen six narcissi shown for the first time in America. The best at the present time is Duke of Bedford, one of the largest yellow. Next comes Queen of Spain, with Blazing Star a close second. Here can also be seen fine flowers of Argent, Apricot and Plenipo. All of these are new in this country.

At the far end one finds a bank of about 1,000 plants of narcissi Victory and Emperor. In the middle aisle you find hyacinths of every hue. King of the Blues still holds its place as to color. Ida is one of the best yellow and La Victoire shows up well. In this display over 1,000 bulbs were used, all having come direct from Holland. Flowering tulips have the largest space in the conservatory, covering nearly one-third of the entire space for bulbous plants. Some of the best flowers at the present time are those of Pink Beauty, which are exceptionally fine. One can find fifty plants each of La Remarquable and Gloria Solus,

which would be hard to beat. Last but not least is the black tulip Nigro, the blackest of all tulips. This novelty alone would repay one for the time spent in a visit to the garden. As this display will only last for a short time at its best, let us hope that any one that can possibly arrange to give the garden a visit will do so in the near future.
 W. S. W.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
 F. O. B. West Grove.

THE CONARD & JONES CO.,
 West Grove, Penna.

Enchantress Supreme

THE Best Sport from Enchantress up-to-date, possessing all the vigor and freedom that distinguishes its parent.

Color a light salmon pink—a color that is not only very attractive, but also one that endures full exposure to the sun without bleaching.

A good all around Carnation that retains its color at all seasons.

Calyx is longer and narrower than that of the parent variety, and distinct from the latter. Has shown no inclination to be a burster.

The weak points of Enchantress seem to have been lost in this Sport, and a trial of four years duration convinces us of its great value.

PRICES: Twelve Rooted Cuttings.....\$3.00 One Hundred rooted cuttings.....\$ 12.00
 Twenty-five rooted cuttings, 5.00 One Thousand rooted cuttings.....100.00
 Fifty rooted cuttings..... 7.00 Order quick for immediate deliveries.

DAILLEDOUZE BROS.,

Lenox Road and Troy Ave.,
 BROOKLYN, N. Y.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

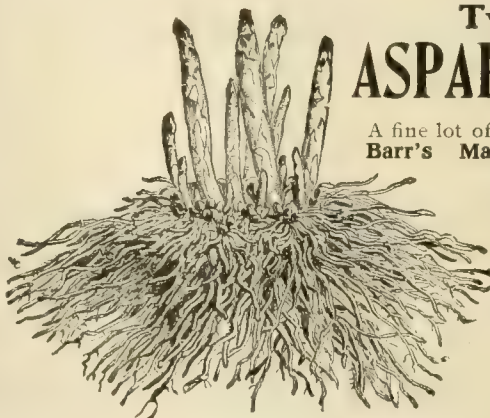
GROWER and EXPORTER on the VERY LARGEST SCALE of all
 CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.



Asparagus Root.

Two-Year-Old ASPARAGUS ROOTS

A fine lot of strong, two-year-old roots, of Barr's Mammoth, Columbian Mammoth White, Conover's Colossal, Giant Argenteuil and Dreer's Eclipse, neatly put up in bundles of 25, 50c per 100; \$4 per 1000.

Special prices for lots of 5000 or more.

Henry A. Dreer, Inc.

714 Chestnut Street
 PHILADELPHIA, PA.

The above prices are intended for the Trade only.

Beautiful Double-Flowering Hybrid Pyrethrums.



We believe this is the first time that an offer of named varieties of these beautiful Double Pyrethrums (home grown stock) has appeared in this journal. We have a splendid lot of strong 4 and 5-inch pots, which if planted early will give an abundance of bloom this season. The varieties offered are all select standard sorts.

Alfred. Bright crimson, of fine form.

Aphrodite. An extra fine pure white.

Figaro. A splendid rosy-lake.

La France. A fine rosy-pink.

La Vestal. White with silvery rose.

Lord Roseberry. Brilliant carmine red.

Mont Blanc. A fine double white.

Ne-Plus-Ultra. Delicate blush white.

Niobe. Beautiful flesh colored.

Princess de Meternich. Splendid large white.

Roi de Rouges. Fine crimson red.

The Bride. Very double, pure white.

Valkyrie. Very large, long petaled, silvery rose.

Yvonne Cayeux. Large pure white with creamy center.

Any of the above varieties in strong 4 and 5-inch pots, \$2.50 per doz.; \$20.00 per 100. One each of the above 14 varieties for \$3.00.

Our new Wholesale List has just been distributed and besides offering the most complete up-to-date list of Hardy Perennials of a quality to give quick and satisfactory results, also offers a most complete list of other seasonable stock in all lines. If you have not received a copy please write for it.

HENRY A. DREER, Inc.,

714 Chestnut Street, Philadelphia, Pa.

The above prices are intended for the trade only

ASPARAGUS PLUMOSUS

3-in. pots, strong, \$4.00 per 100; 2½-in. pots, \$3.00 per 100; 2-in. pots, \$2.00 per 100.

Asparagus Sprengeri, 3-in. pots, \$3.00 per 100; 2½-in. pots, \$2.00 per 100.

Daisies, yellow, 3-in. pots, \$4.00 per 100.

Anthericum Variegatum, 4-in. pots, \$1.00 per doz; 3-in. pots, 75c per doz.

Begonia Luminosa, in bloom, 4-in. pots, \$1.00 doz

Smilax, 4-in. pots, \$1.00 per doz.

Ivy, hardy English, 3-in. pots, \$4.00 per 100; 4-in. pots, \$1.00 per doz.

Kentia Belmoreana, 3 leaves, \$1.00 per doz.

Petunias, double white, 2½-in. pots, \$3.00 per 100.

Vincas, variegated, 2½-in. pots, strong, \$3 per 100.

Swainsona Alba, 2½-in. pots, \$3.00 per 100.

Rooted Cuttings of Fuchsias, 4 varieties: **Feverfew**, **Little Gem**; **Ageratum**, **Artillery Plants**, **Parlor Ivy**, \$1.00 per 100.

Myrtle, the real bridal Myrtle, 3-in. pots, \$1.00 per doz; 4-in. pots, \$1.50 per doz.

C. EISELE,

**11th and Westmoreland Streets
PHILADELPHIA, PA.**

Primula Obconica, strong plants, in bud and bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengeri, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Robert Craig Co...

High Class PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Our New Crimson Carnation

PRINCESS DAGMAR

will be disseminated next season, 1913-1914.

We are booking orders now at \$12.00 per 100; \$100.00 per 1000.

Princess Dagmar will be exhibited at the National Show in New York.

PATTEN & CO., Tewksbury, Mass.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner. Ricard. Perkins Poitevine, 2-in., \$2.00 per 100; 3-in., \$5.00 per 100, 5 in., 25c.
Boston and Whitman Ferns, 3-in., 10c; 4-in., 15c; 5 in., 25c.
Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in. \$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Boston Ferns, 2½ in., \$3.00 per 100; \$30.00 per 1000.

Roosevelt Ferns, 2½ in., \$5.00 per 100; \$40.00 per 1000.

Whitman Compacta, 2½ in., \$5.00 per 100; \$40.00 per 1000.

250 at 1000 rates.

HENRY H. BARROWS & SON, WHITMAN, MASS.

WE GROW PLANTS

Geraniums and other Bedding plants in quantities and now have a large stock ready in splendid shape, for immediate shipment. Special price for large lots.

	2-in.	3-in.
Geraniums , Standard and Ivy Leaved	per 100	per 100
Varieties.....	\$2.00	\$3.00
Mt. of Snow and Mrs. Pollock.....	3.00	
Scented, Nutmeg, Lemon, etc.....	2.00	3.00
Pansy Geraniums , Mary Washington, Mrs. Loyal.....	2.00	3.00
Lantanas , 10 Varieties.....	2.00	3.00
Lemon Verbena , Aloysua Citroedora.....	2.00	3.00
Lobelia , Kathleen Mallard and Crystal Palace Gem.....	2.00	
Moonvines , Noctiflora and Leari.....	2.00	3.00
Salvia , Bonfire and Zurich.....	2.00	3.00
Parlor Ivy , Senecio Scandens.....	2.00	3.00
Swainsona , Alba, and Rosea.....	2.00	3.00
Hardy Phlox , 20 varieties.....	2.00	3.00
Smilax	2.00	
Fuchsias , Rozain Bouchardat collection, one plant each, one hundred varieties, \$10.00; 2 collection \$15.00.		
Smilax Seedlings , 75c. per 100, \$6.00 per 1000.		

Cash with Order.

R. Vincent, Jr. & Sons Co., White Marsh, Md

Mention the American Florist when writing

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.
Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

THE Secretary of Agriculture has issued a notice of quarantine as a result of discovery of two injurious scale insects, the Parlatia scale and the Phoenicococcus scale, affecting date palms. Riverside and Imperial Counties in California; Yuma, Maricopa and Pinal Counties in Arizona, and Webb County in Texas are all affected by the quarantine.

Seedless Grape Fruit Next.

Oroville, Calif., February 14.—James H. Geggett, an orange grower of Oroville, backed by a syndicate, has gained control of two trees which bear navel grape fruit, and will make an effort to make the new citrus product commercially popular. The fruit is a cross between a navel orange and a grape fruit. Steps will be taken to propagate the fruit on a large scale and steel cages will be built around the trees to prevent buds from being stolen.—Newspaper Item.

Evergreen Cover Shrubs.

In looking over the catalogues of our leading nurseries in search of some evergreen cover plants, I was more than ever impressed with our poverty in this direction. In tall growing evergreens we are fairly well supplied, but the really low things may be counted on the fingers of one hand. Among the conifers we find juniper and taxus. The junipers give us nana, prostrata and tamariscifolia. In taxus we really have but one that answers the purpose, namely, Canadensis. In broad-leaved evergreens we occasionally find Daphne cneorum listed, and to my mind this is the gem of the collection. It is perfectly hardy here at the eastern end of the Great Lakes, and in addition to its dense mat of foliage it gives us in the spring a wealth of fragrant pink flowers.

With us it forms a dense mat from a foot to a foot and a half high, and a single plant will cover a circle a yard in diameter in the course of a few years. It needs no pruning, is always neat and attractive, and when in flower it is a glory. It is a lover of deep sandy soils and when planted in such, two feet apart, it soon covers the ground completely. Arctostaphylos Uva-Ursi is occasionally seen in the lists, and it makes a most excellent close cover to use on gravelly and rocky slopes, where little else will thrive. Euonymus radicans and its varieties are well known and most useful, either as a ground cover or as a covering for low walls.

A favorite with us is an old plant that I do not remember to have seen in American catalogues, but which is

used frequently in Europe as a low border plant; it is Teucrium chamaedrys. It grows about a foot high, has neat shining evergreen foliage and in late summer it is covered with spikes of bright purplish flowers. It seems perfectly hardy, stands shearing well, and forms a great addition to our borders. It is easily propagated and makes a fine plant in a short time. Farther south this list could be considerably extended, and such plants as Cotoneaster horizontalis and other fine low shrubs will be appreciated. C.

EVERGREENS, HEDGES AND HARDY PHLOX

Are my specialties.

I grow these by the acre. Please get my prices and try some of my stock.

ADOLF MULLER
DeKalb Nurseries NORRISTOWN, PA.

High Class New England Quality

Herbaceous Perennials, Evergreens and Deciduous Trees, Shrubs, Roses and Vines at Wholesale and Retail. Catalogues upon request.

The New England Nurseries Co.
Dept. "T" BEDFORD, MASS.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,
P. O. Berlin N. J. Williamstown Junc., N. J.

ENGLISH MANETTI STOCKS.

A bargain, to close out surplus quick. Well rooted-carefully regraded and everything undersized or not up to strictly first quality discarded. It pays to buy regraded repacked stocks. We offer 3/4 m-m grade at \$12.00 per single thousand; five thousand or more at \$10.00 per thousand. 3-5 m-m grade \$8.00 per thousand; \$65.00 per ten thousand, to clean them up quick. Orders can be filled the same day we get them. Wire and say whether to ship by freight or express.

JACKSON & PERKINS CO., Newark, New York

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Spring Bulbs and Roots, Conifers, Pines.

English Ivy

4 ft. bushy, 4 inch pots.....\$15.00 per 100
4 and 5 ft. bushy, 4 1/2 inch pots 20.00 per 100

Good value for window effect.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad. :: ::

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

W. Van Kleef & Sons

Wholesale Growers of Nursery Stock

BOSKOOP, :: HOLLAND

BEG to announce that their Mr. K. Van Kleef is again in America calling on the trade. Please ask our prices before placing your esteemed Import Orders elsewhere; they will certainly interest you.

Address all Correspondence Until June 1st

% MALTUS & WARE, 14 Stone Street, NEW YORK
CATALOGUES FREE FOR THE ASKING.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Mention the American Florist when writing

Catalpa Bungei

Specimen trees with wide spreading tops 2 to 4 years and straight 7 ft. stems, 2 to 3-inch caliper.

Get our prices on all kinds of shade trees.
W. B. COLE, Avenue Nurseries,
Painesville, - - - - - Ohio.

Mention the American Florist when writing

Ipomea Noctiflorum

Our so well-known pure white, waxy

MOONVINE

Bearing flowers very fragrant and as big as a saucer, 2 1/2-in. pots; will make good stock for you to propagate from. \$5.00 per 100.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Mention the American Florist when writing

Palms, the Selling Kinds



Kentia Belmoreana.

		KENTIA BELMOREANA.			
	Leaves	Height		Each	Doz.
4-inch	5-6	12-15 inches	Per 100 \$40.00		\$ 5.00
5-inch	5-6	18 inches		\$.75	8.00
6-inch	6	22-24 inches		1.50	17.00
6-inch	6-7	26-28 inches		2.00	
7-inch	6-7	28-30 inches		2.50	
7-inch	6-7	30-32 inches		3.00	
9-inch	6-7	42-46 inches		5.00	
10-inch	6-7	48-50 inches		8.00	

		KENTIA FORSTERIANA.			
	Leaves	Height		Each	Doz.
4-inch	5	15 inches	Per 100, \$40.00		\$5.00
5-inch	5-6	20-24 inches		.75	8.00
6 inch	5-6	30-32 inches		1.50	17.00
7-inch	6-7	36-40 inches		3.50	
8-inch	6-7	40-44 inches		4.00	
8 inch	6-7	44-48 inches		5.00	
8-inch	6-7	52-55 inches		6.00	

PHOENIX CANARIENSIS.

8-inch, 30-35 inches high.....Each, \$3.00

PHOENIX ROEBELINII.

6-in., 16-18 inches high...Each, \$1.75 7-in., 20-22 inches high...Each, \$2.50 11-in. tub, 28-30 inches high...Each, \$8.00

31-33 W. Randolph St., CHICAGO **Vaughan's Seed Store** 25 Barclay St., NEW YORK
GREENHOUSES AND NURSERIES, WESTERN SPRINGS, ILL.

CARNATION CUTTINGS

LIGHT PINK ENCHANTRESS
\$12.50 per 1000

White Enchantress
\$17.50 per 1000

While They Last

Order Now

These cuttings are taken from stock grown by the best grower of the Enchantress variety of carnations in this vicinity and are big value at the price quoted. Send in your order now.

PERCY JONES

56 E. Randolph St., Chicago

Geraniums and Coleus

Ricard and Poitevine, \$15.00 per 1000. S. A. Nutt, \$12.50 per 1000; next delivery about March 24. G. Bedder, Vers., and general assortment \$6.00 per 1000; ready almost any time. Plumosus, just right for Easter pans, sample, 10 cents; 100, \$2.50.

Safe Delivery Guaranteed.

Albert M. Herr, Lancaster, Pa.

Ferns for Dishes

Best assorted varieties from 2 1/4 in. pots, 100, \$3.50; 1000, \$30.00. 500 at 1000 rate. Cash with order.

FRANK OECHSLIN,

4911 West Quincy St. CHICAGO.

Select Stock for Spring

The best lot of stock in this line we have ever seen. Every live florist and landscape man can make good use of the following subjects, and we are sure there is no better quality in the country:

Azalea Mollis, 15 to 18-in., bushy and full of buds.....\$ 3.50 per 10, \$ 30.00 per 100
Ghent (Pontica). Named sorts, full of buds, 18 to 24-in..... 4.50 per 10, 40.00 per 100
Rhododendrons, 18 to 24-in., 8 to 12 buds, very fine..... 7.50 per 10, 70.00 per 100
24 to 30-in., 12 to 14 buds, very fine..... 10.00 per 10, 90.00 per 100
30 to 36-in., 14 to 16 buds, very fine..... 15.00 per 10, 125.00 per 100
24 in., seedlings, bushy, well budded plants..... 6.50 per 10, 60.00 per 100
Tree Roses, all hardy varieties, budded on straight stout stems..... 3.50 per 10, 30.00 per 100
Boxwood, a magnificent spring importation on hand, clean bright stock and grand values for the money.

Pyramidal, 36-in. high, at \$1.75 each; 42-in. high, at \$2.25 each; 48 in. high, at \$3.00 each; 54-in. high, at \$4.00 each.

Globe Form, perfect globes, 18 by 18 inches, \$3.00 each.

Bush Form, very broad, heavy plants, 12-in. high, \$3.00 per 10, \$25.00 per 100; 18-in. high, 50c each, \$4.50 per 10; 24 in. high, \$1.25 each, \$10.00 per 10; 30 in. high, \$1.50 each, very broad, 36-in. high, \$2.00 each, very broad.

Aristolochia Sipo, Dutchman's Pipe, heavy vines, 4-ft. top, \$25.00 per 100.

Hybrid Tea Roses, strong 2-yr. field grown dormant plants—Betty, fine pink, \$17.50 per 100; Gen. McArthur, Grus An Teplitz, Hermosa, Kaiserin Augusta, Victoria, La France, Mad. Jules Grolez (deep pink) Mamam Cochet, Mad. Caroline Testout, White Mamam Cochet, at \$15.00 per 100; Prince de Bulgarie, \$17.50 per 100.

NEW BABY RAMBLER ROSES, 2-yr., field grown—

Erna Teschendorff, the best red yet introduced, more petals than the original Baby Rambler, a deeper, brighter red and does not fade, \$4.00 per dozen, \$30.00 per 100.

Orleans, light Geranium red, opening to a bright rose color. Very free bloomer and compact shapely plant for pots, \$2.50 per dozen, \$18.00 per 100.

CLIMBING ROSES, 2-yr., field grown—

Dorothy Perkins.....\$12.00 per 100
Farquhar..... 25.00 per 100
Tausendschon..... 15.00 per 100
Violet Blue..... 10.00 per 100
Yellow Rambler..... 10.00 per 100

Flower of Fairfield.....\$20.00 per 100
Hiawatha..... 12.00 per 100
Trier..... 12.00 per 100
White Dorothy..... 12.00 per 100

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Special on Made-up Kentias

WE have an exceptionally large stock of 6 and 7 inch **Kentia Forsteriana**, 3 plants in a pot. The 6-inch are 18 to 22 inches above pot, on which we make a special price of \$1.00 each or \$12.00 per doz. The 7-inch are 28 to 32 inches; also 3 in a pot, special \$1.50 each, \$18.00 per dozen. Remember these are nice bushy plants and just what you need for decorating.



KENTIA FORSTERIANA.

Size	Leaves	Ht.	Each	Doz.	Per 100
2-in.	4	8-10 in.		\$1.50	\$12.00
3-in.	4-5	12-14 in.		2.00	15.00
4-in.	4-5	14-16 in.		4.50	35.00
5-in.	5-6	16-18 in.		6.00	50.00
5-in. strong.	5-6	20-24 in.	\$.75	9.00	
7-in.	5-6	36-38 in.	2.50		
7-in. strong.	5-6	36-40 in.	3.00		
8-in.	5-6	40-44 in.	5.00		
8-in. strong.	5-6	46-50 in.	7.00		
9-in.	6-7	60 in.	8.00		
Specimens.	6 ft.	high.	9.00		
Specimens.	7 ft.	6 in. high	15.00		

Made Up.

	Each
6 in., 3 in a pot, 18-22 in. high	\$ 1.00 and \$1.50
7 in., 3 in a pot, 24-30 in. high	2.50
8 in., 3 in a pot, 40-45 in. high	6.00
9 in., 3 in a pot, 50-54 in. high	8.00
10 in., 4 in a pot, 58-60 in. high	10.00
12 in., 4 in a pot, 62-70 in. high	15.00
Specimens, 6½ ft. high, 4 in a tub, Each	\$18.00
Specimens, 7½ ft. high, 4 in a tub, Each	25.00

KENTIA BELMOREANA

Size	Leaves	Ht.	Each	Doz.	Per 100
2-in.	4	8 in.		\$1.50	\$12.00
3-in.	4-5	8-10 in.		2.00	15.00
4-in.	4-5	12 in.		3.60	30.00
4-in. strong.	4-5	12-15 in.		4.50	35.00
5-in.	5-6	15-18 in.		6.00	50.00
5-in. strong.	5-6	18-20 in.	\$.75	9.00	
6-in.	6-7	20-22 in.	1.00	12.00	
6-in. strong.	6-7	22-24 in.	1.50	18.00	
7-in.	6-7	26-28 in.	2.00	24.00	
7-in. strong.	6-7	28-30 in.	2.50	30.00	
8-in.	7-8	40-45 in.	5.50		
9-in.	7-8	48-50 in.	8.00		
9-in. strong.	7-8	50-54 in.	10.00		
Made up 7 leaves, 3 in a pot, 28-30 in. high.			2.50		

	Each	Doz.	Per 100
Araucaria Excelsa —			
6-in. 4-5 tiers.....	1.00	12.00	
7-in. 4-5 tiers.....	1.50	18.00	
Areca Lutescens —			
3-in. 3 pits in a pot..		2.00	\$15.00
4-in. 3 pits in a pot..		3.00	25.00
6-in.	1.50		
Asparagus Plumosus —			
2-in.			3.00
3-in.			6.00
4-in.	1.50		
Asparagus Sprengeri —			
3 in.	.75		5.00

BOSTON FERNS.

	Each	Doz.	Per 100
2-in.			\$3.00
4 in.		\$1.50	
5-in.	.25	3.00	
6-in.	.50	6.00	
7-in.	.75	9.00	
8-in.	1.00	12.00	
9-in.	1.50	18.00	

Larger ones at \$2.00, \$2.50 and up each.

Dracaena Indivisa —	Doz.	Per 100
2 in.	.50	\$ 3.00
3 in.	.75	5.00
4 in.	1.50	10.00
5 in.	3.00	20.00

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Ficus Elastica , 5 in. Each.....	Per 100
6 in.	.50
7 in.	.75

Ficus Pandurata, 6 in., 7 in. and 8 in. at \$1.50, \$2.50 and \$3.50 each.

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	Each	Doz.
3-in.	.35	\$ 4.20
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PHOENIX RECLINATA

	Each	Doz.	Per 100
5-in.		\$5.00	\$40.00
6 in.	\$0.75	9.00	
7 in., 24 in. high.....		12.00	

PHOENIX ROEBELII

	Each	Doz.	Per 100
2½ in.		\$2.00	\$15.00
3 in.		3.00	
4 in.	.50	6.00	
6 in.		12.00	
6 in. strong		18.00	
7 in.	\$2.50 & \$3.00		
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8 in. extra strong		5.00 each.	

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Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

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GODFREY CALLAS. 2½-in., \$4.00 per 100. CONARD & JONES CO., WEST GROVE, PENNSYLVANIA.

CANNAS.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

IMPROVED CANNAS.

"There can be no question that could the florists see these cannas, they would be in every collection in the country."—John Welsh Young, referring to CONARD & JONES' CANNAS.

Mrs. Alfred F. Conard, pink....\$35.00 per 100
Beacon, red 20.00 per 100
Gladiodora, variegated 15.00 per 100
Meteor, red 25.00 per 100
Rosea gigantea, pink..... 25.00 per 100
Wm. Saunders, red, bronze leaf.. 10.00 per 100
Mt. Blanc, near white..... 10.00 per 100
Kate F. Deemer, yellow..... 35.00 per 100
F. o. b. at headquarters for improved cannas. Write for complete list to

THE CONARD & JONES CO., WEST GROVE, PENNSYLVANIA.

Cannas, best named varieties. F. F. Scheel, Sbermerville, Ill.

Cannas. Fine dormant 2 to 3 eye bulbs. Cinabar and mixed, 75c per 100. Sec. Chabanne, \$1 per 100. Pres. Cleveland, Paul Marquant, \$1.50 per 100. Pennsylvania, C. F. Read, \$2.50 per 100. Papa Nardy \$4 per 100. WAGNER PARK CONSERVATORIES, Sidney, Ohio.

Cannas, ready to pot, delivery now or later. Florence Vaughan, Chas. Henderson, Egandale, \$2.50 per 100. Pennsylvania, Louisiana, large flowered, \$3 per 100. P. Pearson, 5732 Gunnison St., Chicago.

Cannas, mixed, \$9 per 1,000; named vars., \$15 per 1,000. V. L. Crawford, Meridian, Miss.

CAPE JASMINES.

Cape Jasmine. Remember you will get your orders filled if you order buds from The Texas Coast Jasmine Farms. Watch for our large ad. later. R. W. Woodward, Mgr., Alvin, Texas.

CARNATIONS.

ROOTED CARNATION CUTTINGS. 150,000 in the following varieties ready for immediate deliveries:

	Per 100	Per 1,000
The Herald, scarlet	\$12.00	\$100.00
Rosette, dark pink	6.00	50.00
Wodenethe	6.00	50.00
Gloriosa, medium pink	4.00	35.00
Pink Delight, flesh pink	6.00	50.00
Conquest, overlaid pink	4.00	35.00
White Wonder, pure white	3.00	25.00
White Enchantress	2.00	20.00
White Perfection	3.00	25.00
Enchantress, flesh pink	3.00	25.00
Princess Charming, flesh pink	3.00	25.00
May day, deep flesh	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Washington, dark pink	3.00	25.00
(Sport of Enchantress)		
Alvina, very free	3.00	25.00
Victory, scarlet	3.00	25.00
Scarlet Glow, scarlet	3.00	25.00
Bonfire, scarlet	3.00	25.00
Beacon, scarlet	3.00	25.00

CHICAGO CARNATION CO., 30 E. Randolph Street, Chicago, Ill.

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1,000
Enchantress	2.00	18.00
White Enchantress	2.00	20.00
Princess Charming	2.00	20.00
White Lawson	1.50	12.50
White Perfection	2.00	18.00
Victory	1.50	12.50
Bonfire (finest red)	3.00	25.00

WIETOR BROS., 162 N. Wabash Ave., Chicago, Ill.

CARNATION CUTTINGS.

	R. C. per 100	2½-in. per 1,000
Rosette	\$6.00	\$50.00
Gloriosa	3.00	27.50
Enchantress	2.20	20.00
Ward	3.00	27.50
Scarlet Glow	3.00	25.00
Winsor	2.20	20.00
Lawson	2.20	20.00

POEHLMANN BROS. CO., Morton Grove, Ill.

"Colorado Grown Plants—Beat Them All." "Colorado Rooted Cuttings: Satisfaction guaranteed. Pure White Enchantress, \$25 per 1000; Enchantress and Winsor, \$15 per 1000; White Lawson and Winsor, \$15 per 1000; 2-inch stock extra strong and healthy: Pure White Enchantress, \$30 per 1000; Enchantress and Victory, \$25 per 1000. ELITCH-LONG GREEN-HOUSES, Denver, Colo.

Carnation cuttings for immediate delivery. Extra strong plants from soil. Enchantress and White Enchantress, \$3 per 100; \$25 per 1,000. Write for prices on the following varieties from sand: Wodenethe, White Wonder, White Enchantress, Enchantress, Beacon, and Rose Pink Enchantress. J. D. Thompson Carnation Co., Joliet, Ill.

Carnation cuttings, \$3 per 100; 2½-in., \$6 per 100. J. L. Dillon, Bloomsburg, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Dailledouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

For immediate shipment, strong guaranteed cuttings that will produce fancy stock. Beacon, White Perfection, Enchantress, \$20 per 1,000. White Enchantress, \$25 per 1,000. C. C. Pollworth Co., Milwaukee Wis.

Carnations, Champion, \$12 per 100; \$100 per 1,000; 2,500 for \$237.50; 5,000 for \$450. Yellowstone and Yellow Prince, \$6 per 50; \$10 per 100; \$80 per 1,000; \$178.50 per 2,500; \$350 per 5,000. F. Dörner & Sons Co., La Fayette, Ind.

Carnations, Light Pink Enchantress, \$12.50 per 1,000. White Enchantress, \$17.50 per 1,000. Percy Jones, 56 E. Randolph St., Chicago.

Carnations, chrysanthemums, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

"Colorado Grown Plants Beat Them All."

Chrysanthemum Rooted Cuttings, Early, Mid-season and late varieties: Yel. Bonnafton, Thurlie, Appleton, Halliday, Silver and Golden Wedding, Monrovia, White and Yellow Eaton, Golden Glow, Nonin, Robinson, White and Pink Ivory, DeKalb, Helen Frick, Maud Dean, Tousey, Vivian-Morel, Enguehard and Rosiere, \$2 per 100; \$15 per 1,000. April delivery. ELITCH-LONG GREENHOUSES, Denver, Colo.

Chrysanthemums, rooted cuttings, Pacific Supreme, Oct. Frost, Golden Glow, Halliday, Bonnafton, \$1.25 per 100; \$12 per 1,000. Black Hawk, Taft, White Bonnafton, Tousey, Maud Dean, \$1.75 per 100; \$15 per 1,000. Lynwood Hall, Golden Wedding, \$2.50 per 100; \$20 per 1,000. T. W. Baylis & Son, West Grove, Pa.

FOR SALE—Chrysanthemums, Smith's Advance, Pacific Supreme, \$1.50 per 100; \$12 per 1,000. Rooted cuttings: Vinca variegata, 500, 2-in., \$8. Mme. Sallerol geraniums, 500, 2-in., \$8. D. W. Leatherman, Anderson, Ind.

Chrysanthemums, rooted cuttings and 2½-inch. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, rooted cuttings, Golden Glow, Oct. Frost, Pacific Supreme, Major Bonnafton, \$1 per 100; Chas. Razer, best white, \$1.50 per 100. Edward Wallis, Berlin, N. J.

Chrysanthemums, all the money making varieties. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, rooted cuttings, Erie Floral Co., Erie, Pa.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, 2½-in. Verschaffeltii and Golden Bedder, 50c per doz.; \$3 per 100. Anna Pfitzer and John Pfitzer, 50c doz.; \$3 per 100. Black Prince, 75c per doz.; \$5 per 100. Vaughan's Seed Store, Chicago and New York.

Coleus, 10 vars., 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, Verschaffeltii and G. Bedder, 60c per 100. The Erie Floral Co., Erie, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEUM, finest strain in existence, including GLORY OF WANDSBEK, finest salmonine, orchid flowering, Rocco; strong transplanted seedlings, \$3.00 100; \$25.00 1,000. Cash, please.

Robert & Radke, Maywood, Ill.

Cyclamen giganteum, choicest mixture, 3-in., \$5 per 100. Cash. John Bauscher, Freeport, Ill.

DAHLIAS.

Dahlias, 100,000 field-clumps; 100 varieties of cream. Get list. Benj. Connell, Florist, Merchantville, N. J.

Dahlias, standard and new cut flower varieties. Lindhurst Farm, Hammonton, N. J.

DAISIES.

Daisies, yellow, 3-in., \$4 per 100. C. Elsele, 11th and Westworeland Sts., Philadelphia.

DRACAENAS.

Dracena, Linden and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz. Vaughan's Seed Store, Chicago and New York.

Dracena indivisa, 2-in., 50c per doz.; \$3 per 100; 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100; 5-in., \$3 per doz.; \$20 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Dracena Ind., fine stock, big plants, 3-in., \$5; 4-in., \$8; 5-in., \$15 per 100; 6-in., 25c each. Cash. J. W. Miller, Shiremanstown, Pa.

Dracena indivisa, fine large 3-in., \$5 per 100; 4-in., \$8 per 100. Cash. John Bauscher, Freeport, Ill.

Dracena Massangeana, 6-in., \$1 to \$1.75 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

EUONYMUS.

EUONYMUS VARIEGATA RADICANS JAPONICA, 2½-in. pots, 5c.

3 and 4-in. pots, 10c.

CONARD & JONES CO.,

WEST GROVE, PENNSYLVANIA.

FERNS.

FERNS.

Scotti, 2½-in., \$4 per 100; Scholzei, \$4 per 100; \$35 per 1,000. Boston, \$4 per 100; \$35 per 1,000.

DWARF FERNS FOR FERN DISHES. These dwarf ferns are used by the hundreds of thousands to fill dishes for table decorations. Our sales each year exceed fifty thousand plants. Our stock is in prime condition, ready to use at once. We offer 9 choice varieties, Pteris Cretica, Albolineata, Victoria, Wilsoni, Mayli, Pteris Multiceps, Aspidum Tsussumense, Sieboldii, Wimsellii, Cyrtomum Falcatum or Holly Fern. Price 50c per doz.; \$3.50 per 100; \$30 per 1,000. Our new catalog giving prices on ferns, roses and all other plants ready now. Write for it today.

THE GOOD & REESE CO., Largest Rose Growers in the World. Box 18, Springfield, Ohio.

Ferns, Boston, 2-in., \$3 per 100; 4-in., \$1.50 per doz.; 5-in., 25c each; \$3 per doz.; 6-in., 50c each; \$6 per doz.; 7-in., 75c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz.; 9-in., \$1.50 each; \$18 per doz. Larger ones \$2 to \$2.50 each and up. Ferns assorted, for dishes, 2-in., \$3 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

ROOSEVELT FERNS.

2½-in., \$6.00 per 100.

CONARD & JONES CO.,

WEST GROVE, PENNSYLVANIA.

Ferns, Boston, 2½-in., \$3 per 100; \$30 per 1,000. Roosevelt, 2½-in., \$5 per 100; \$40 per 1,000. Whitman Compacta, 2½-in., \$5 per 100; \$40 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

BOSTON FERNS, 2½-in., bushy plants, ready to shift, \$3.50 per 100. Cash. JOHN BAUSCHER, JR., Freeport, Ill.

Ferns for dishes, assorted, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rates. Frank Oechslein, 4911 W. Quincy St., Chicago.

Extra strong Boston Springfield runners, \$1 per 100; \$9 per 1,000. Cash. Satisfaction guaranteed. Newell & Ustler, Apopka, Florida.

Table ferns, 10 varieties, 2½-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100; \$55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica 5-in., 35c each; 6-in., 50c each; 7-in., 75c. Ficus Pandurata, 6-in., 7-in. and 8-in., \$1.50, \$2.50 and \$3.50 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus pandurata, 6-in., \$3.50 each. Elastica, 6-in., 75c to \$1 each. Poehlmann Bros. Co., Morton Grove, Ill.

GERANIUMS.

GERANIUMS.

Good, healthy, fall-rooted plants from 2½-in. pots at \$3 per 100; \$27.50 per 1,000, except where noted; Beate Poitevine, Marquis de Castellane, S. A. Nutt, Jean Viaud, La Favorite, A. Ricard, Mme. Landry, Mrs. E. G. Hill, Heteranthe, M. Jaulin, Red Wing (6c each). Our new catalog of everything you need mailed upon application. Write for it today.

THE GOOD & REESE CO., Largest Rose Growers in the World. Box 18, Springfield, Ohio.

Geraniums, strong, stocky plants in bud and bloom, S. A. Nutt, Ricard, Beate Poitevine, White Buchner, 4-in., 7c; 3½-in., 6c; 2½-in., 2½c; good stock, guaranteed. Cash with order. Gus. Schlegel, Olney, Ill.

GERANIUMS.

Rooted Cuttings Ready Apr. 15 to 20.

	Per 100	Per 1,000
10,000 Nutt and other reds.....	\$1.50	\$14.00
2,500 Salmon and pink.....	1.75	16.00

	Per 100	Per 1,000
2½-inch—Reds.....	3.00	25.00
Pink, Salmon and White.....	3.50	30.00
3-inch—Reds.....	4.50	40.00
Pink, Salmon and White.....	5.00	45.00
4-inch—Reds.....	7.00	65.00
Pink, Salmon and White.....	8.00	75.00

These are special prices for cash. Satisfaction guaranteed and good only for orders received by April 10. GEO. A. KUHL, PEKIN, ILL.

NEW AMERICAN BEAUTY.

FOR THE FIRST TIME WE ARE OFFERING THIS WONDERFUL NEW GERANIUM TO OUR MANY CUSTOMERS. WRITE FOR COLORED CUT AND PRICES ON LARGE LOTS. 2½-IN. POTS, 50c EACH; \$5 PER DOZ. CASH.

JOHN BAUSCHER,

104 CHICAGO ST., FREEPORT, ILL.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geraniums, S. A. Nutt, Perkins, Poitevine, Jean Viaud, La Favorite, Redfield and Rose, 2½-in., \$3 per 100; \$25 per 1,000. Beate Poitevine, 3-in., \$5 per 100. Mme. Sallerol, extra strong, 2-in., \$2 per 100; \$18 per 1,000. Cash. ROBER & RADKE, Maywood, Ill.

Geranium Scarlet Bedder, \$1.50 per ten; \$12.50 per 100; \$100 per 1,000. Elmer D. Smith & Co., Adrian, Mich.

Mrs. Loyal (pansy geranium) 2½-in., 85c per doz.; \$6 per 100. Vaughan's Seed Store, Chicago and New York.

S. A. NUTT.

Strong selected top cuttings, well rooted. \$1.25 per 100; \$12 per 1,000. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, S. A. Nutt, and 4 others, 3-in., \$4 per 100; 2½-in., \$3. Jos. H. Cunningham, Delaware, O.

Mme. Sallerol, 2-in. fine plants, \$2 per 100; 300, \$5. Cash. J. W. Miller, Shiremanstown, Pa.

Geraniums, Ricard and Poitevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. B. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GLECHOMA VINES.

500 strong beautiful Glechoma Vines, ready for 4-inch, \$5 per 100. Cash. Ten Eyck & Son, Auburn, Ind.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Magnolia leaves, cypress leaves, American oak sprays, ruscus. Oscar Leistner, 17 N. Franklin St., Chicago.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Wild smilax, 16 cubic feet cases, \$3 per case. Caldwell The Woodsman Co., Evergreen, Ala.

Fancy ferns, \$1.50 per 1,000. Robert Groves, Adams, Mass.

Wild Smilax. Jas. E. Pinkston, Louisville, Ala.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

HYDRANGEAS.

HYDRANGEAS.

New Forcing Hydrangea Arborescens Grandiflora Alba or Hills of Snow.

For forcing or immediate sales; 1-yr. field-grown, 12 to 18 inches, 2 canes, \$1.25 per doz.; \$8 per 100; \$75 per 1,000. Select, 2 to 3 canes, \$1.50 per doz.; \$10 per 100; \$90 per 1,000. 2-yr. field-grown, 18 to 24 inches, 2 to 3 canes, \$2 per doz.; \$14 per 100; \$120 per 1,000. Our Catalog of everything you need mailed upon application. Write for it today.

THE GOOD & REESE CO., Largest Rose Growers in the World. Box 18, Springfield, Ohio.

Hydrangea Otaksa, field-grown, 3 to 10 shoots, 10c to 35c. The Erie Floral Co., Erie, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

IVIES.

ENGLISH IVY,
2½-in. pots, \$5.00 per 100.
CONARD & JONES CO.

WEST GROVE, PENNSYLVANIA.

English ivy, 4 ft., 4-in. pots, \$15 per 100;
4½-in., \$20. Bobbink & Atkins, Rutherford,
N. J.

Ivy, English, 3-in., \$4 per 100. C. Elsele, 11th
and Westmoreland Sts., Philadelphia.

English ivy, R. C., 75c per 100; prepaid.
Chas. Frost, Kenilworth, N. J.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and ex-
porter. E. Neubert, Wandsbek, nr. Hamburg,
Germany.

Lily of the valley pips. McHutchison & Co.,
17 Murray St., New York.

From Storage.

Lily of the valley, cold storage for Christmas
forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000,
\$18. F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.

Lily of the valley. Grow Bruns' celebrated
Chicago Market, the finest forcing valley in
America, \$18 per 1,000; \$9.50 per 500; \$5 per
250; Florists' Money Maker, \$16 per 1,000; \$8.50
per 500; \$4.50 per 250. H. N. Bruns, 3032-3042
W. Madison St., Chicago.

MANETTI.

ENGLISH MANETTI STOCKS. A bargain, to
close out surplus quick. Well rooted, care-
fully regraded and everything undersized or not
up to strictly first quality discarded. It pays
to buy regraded, repacked stocks. We offer 5-8
mm grade at \$12 per single thousand; five
thousand or more at \$10 per thousand. 3-5
mm grade, \$8 per thousand; \$65 per ten thou-
sand, to close them up quickly. Orders can
be filled the same day we get them. Wire and
say whether to ship by freight or express.
Jackson & Perkins Co., Newark, New York.

MARGUERITES.

MARGUERITES.

Mrs. F. Sander, 2-in., \$2.50 per 100; 3-in., \$5
per 100; Alexandra and large flowering and
California single, 2-in., \$2 per 100; 3-in., \$4 per
100. ROBER & RADKE, Maywood, Ill.

New double marguerite Mrs. F. Sander, large
yellow winter-flowering, and Queen Alexandra,
2½-in., \$2 per 100. Cash. John Bauscher,
Freeport, Ill.

Marguerites, Mrs. F. Sanders, 60c per doz.;
\$4.50 per 100. Queen Alexandra, 60c per doz.;
\$3.50 per 100. Vaughan's Seed Store, Chi-
cago and New York.

MOSS.

Sphagnum moss, 1 bale, \$3.80; 5 bales, \$3.60
each; 10 bales, \$3.40 each; 25 bales, \$3.20 each.
Live moss, \$1.25 per bbl. Rotted peat, 60c
per sack. J. H. Sprague, Barnegat, N. J.

Green sheet moss, 1 bale (5 bundles) \$1.25;
5 bales (25 bundles), \$6. Geo. H. Angermueller,
1824 Pine St., St. Louis, Mo.

Sphagnum Moss, 10 burlap bales, \$13.50; 10
wired bales (large), \$11. Vaughan's Seed
Store, Chicago.

Moss, surplus of 12 barrel bale New Jersey
moss, delivered anywhere in Chicago, \$5 per
bale, 2 or more bales, \$4.75 per bale. Klehm's
Nurseries, Arlington Heights, Ill.

Live Sphagnum moss, only in barrels, \$2 per
bbl. The C. W. Brownell Co., Walden, N. Y.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture.
American Spaw Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock. Storrs & Harrison Co., Paines-
ville, O.

SHRUBBERY.

There are bargains to be had here in such
varieties as spiraeas, altheas, weigelas and
philadelphus, and this names only a few. We
have acres of shrubs, well grown and ready for
you. Write for price list.
The Conard & Jones Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines
and hemlocks. Andorra Nurseries, Chestnut Hill,
Philadelphia.

Nursery stock, vines and climbers, autumn
bulbs, roots, conifers, pines. Bobbink & Atkins,
Rutherford, N. J.

We offer Carolina Poplar, Silver Maple, Ash
Leaf Maple, Catalpa Speciosa, American Elm,
6 ft. to 16 ft. Glen Rock Nurseries, Glen Rock,
Pa.

Nursery stock, fruit and ornamental trees,
shrubs, evergreens and small fruits. W. & T.
Smith Co., Geneva, N. Y.

Nursery stock, evergreens, herbaceous peren-
nials and deciduous trees, shrubs, roses and
vines. The New England Nurseries Co., Bed-
ford, Mass.

Evergreen hedges and hardy phlox. Adolf
Mullet, Norristown, Pa.

Nursery stock. W. Van Kleef & Sons, Bos-
koop, Holland.

ORANGES.

ORANGE OTAHEITE.
From 2½-in. pots, \$3 per 100; \$27.50 per
1,000. Our catalog of everything you need
mailed on application. Write for it today.

THE GOOD & REESE CO.,
Largest Rose Growers in the World.
Box 18, Springfield, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Sum-
mit, N. J.

Osmundine (Osmunda fibre or orchid peat.)
The C. W. Brownell Co., Walden, N. Y.

PALMS.

Palms, Kentia Forsteriana and Belmoreana,
all sizes from 4-in. to 12-in. tubs, 35c to \$15
per plant. Poehlmann Bros. Co., Morton
Grove, Ill.

Palms. John Scott, Rutland Road and E.
45th St., Brooklyn, N. Y.

Palms. For sizes and prices see advertise-
ment elsewhere in this issue. The Geo. Witt-
bold Co., 737 Buckingham Place, Chicago.

Palms, 5 Latania Borbonica (7 ft.); 2 Sago
(20 ft.); 1 Phoenix (7 ft.), \$15 to \$20 f. o. b.
Washington. Gallaudet College, Washington,
D. C.

Palms. For varieties and prices see adver-
tisement elsewhere in this issue. Vaughan's
Seed Store, Chicago and New York.

Palms. For varieties and prices see adver-
tisement elsewhere in this issue. Joseph Hea-
cock, Wyncote, Pa.

Kentia Belmoreana, 3 leaves, \$1 per doz. C.
Elsele, 11th and Westmoreland Sts., Philadel-
phia.

Palms. McHutchison & Co., 17 Murray St.,
New York.

PANDANUS.

Pandanus Veitchii, 3-in., 35c each; \$4.20
per doz.; extra strong plants, \$1.50, \$2 and
\$3 each. The Geo. Wittbold Co., 737 Buck-
ingham Place, Chicago.

PANSIES.

PANSIES, finest French mixtures. Strong
seedlings, 35c per 100; \$2.50 per 1000. Trans-
planted seedlings, 60c per 100; \$5 per 1000.
ROBER & RADKE, Maywood, Ill.

Pansy plants, fall transplanted, Danish seed,
in bud and bloom, \$1 per 100; \$10 per 1,000.
Cash, please. Edgar Easterday, Nokomis, Ill.

Strong, stocky, fall Pansy Plants; large
flowering, 50c per 100; \$4 per 1,000. Cash
with order. Gus. Schlegel, Olney, Ill.

Pansy plants, \$1.50 per 100. Jos. H. Cun-
ningham, Delaware, O.

PEONIES.

PEONIES.

"Peonies for Pleasure." This book of "Peo-
nies for Pleasure" gives information on peony
history; soil and plants to use; how and when
to plant; fertilizers and how to apply, and de-
scribes the most extensive planting of really
valuable Peonies ever gathered together under
the sun; describes the old and the new as
well as the plebeian and aristocrat of the Peony
family. If you want information on the plant
that stands next to the Rose in beauty, that
is practically known to the amateur as simply
a red, white and pink Peony, then send for
"Peonies for Pleasure." We also issue a spe-
cial wholesale price list of Peonies for Fall
Sales, 1913. Send for both of these booklets.
Our catalog of everything you need mailed on
application. Write for it today.

THE GOOD & REESE CO.,
Largest Rose Growers in the World.
Box 18, Springfield, Ohio.

PETUNIAS.

Double petunias, white and lavender, \$4 per
100; 2½-inch stock. Keheley & Shelnutt, Co-
lumbus, Ga.

RASPBERRIES.

THEY'RE THE FINEST YOU EVER ATE:
To introduce this wonderful Raspberry—will
sell one thousand dozen Famous Alton Im-
proved Red Raspberry plants—to bear this
year, at one-half price or \$1.25, single dozen
lots, or five dozen lots for \$5. f. o. b. Water-
loo, Iowa. Address A. E. Gibson, Waterloo,
Iowa.

RHODODENDRONS.

Rhododendrons, 10 carloads of rhododendron
maximum, 2 to 5½ ft. high, nursery grown
or transplanted 3 yrs., heavily budded. \$350 a
carload of 200 plants. Lowland Rhododendron
Farm, Kingston, R. I.

Rhododendrons. The Storrs & Harrison Co.,
Painesville, O.

Rhododendrons. L. R. Stricker & Co. Ashe-
ville, N. C.

POINSETTIAS.

Poinsettias, dormant stock. Write for prices.
C. J. Reese, Springfield, Ohio.

PRIMULAS.

Primula obconica, in bud and bloom, fine 3-
in., ready for 4-in., \$3.50 per 100. Cash. John
Bauscher, Freeport, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J.
C. Schmidt, Bristol, Pa.

ROSES.

STOCK FOR SALE.

ROSES—For Summer Bedding—Bessie Brown,
Pink Maman Cochet, White Maman Cochet,
Gruss an Tepitz, Helen Good, Hermosa, Helen
Gould, Lady Hillingdon, Miss Alice de Roth-
schild, Mrs. Taft, (Antoine Riviere), President
Taft, Rhea Reid, Sunburst, Tausendschon, (Ex-
celsa) Red Dorothy Perkins, Dorothy Perkins,
Lady Gay, Crimson Rambler, Wm. R. Smith and
all other bedding Roses from 2½ and 4-in. pots.
Our new catalog giving prices on all roses and
other plants ready now. Write for it today.

THE GOOD & REESE CO.
Largest Rose Growers in the World.
Box 18, Springfield, Ohio.

Roses, grafted, Pink Killarney, White Killar-
ney, Richmond, Mrs. Aaron Ward, Prince de
Bulgarie and Lady Hillingdon, \$110 per 1,000;
\$100 per 1,000 in 5,000 lots; \$97.50 per 1,000 in
10,000 lots and \$95 per 1,000 in 100,000 lots.
Killarney Queen, \$15 per 100; \$120 per 1,000.
Own root: White Killarney, Prince de Bulgarie,
Melody, Lady Hillingdon and My Maryland, \$6
per 100; \$55 per 1,000. Richmond, 2½-in., \$5
per 100; \$45 per 1,000. Poehlmann Bros. Co.,
Morton Grove, Ill.

ROSE PLANTS.

My Maryland, 2½-inch. Strong Plants, \$3.50
per 100; \$30 per 1,000.

One Year Old Bench Plants.

Pink and White Killarney, \$3.50 per 100;
\$30 per 1,000.

American Beauties, \$6.00 per 100; \$50 per
1,000.

GEORGE REINBERG,

162 North Wabash Ave., Chicago.

Roses, 2½-inch plants. Am. Beauties, \$5
per 100; \$45 per 1,000. White Killarney, Pink
Killarney, Melody, Sunrise, \$4 per 100; \$35 per
1,000. Richmond, \$3 per 100; \$25 per 1,000.
2-year Bench plants: Am. Beauties, \$6 per
100; \$55 per 1,000. White Killarney, Pink Kil-
larney, Richmond and Sunrise, \$4 per 100; \$35
per 1,000. Peter Reinberg, 30 E. Randolph St.,
Chicago.

ROSE PLANTS.

2½-in. fine young stock

	Per 100	Per 1000
Richmond	\$3.50	\$30.00
My Maryland	4.00	35.00

WIETOR BROS.

162 N. Wabash Ave. Chicago

Roses, grafted, Richmond, White Killarney,
Pink Killarney, Kaiserin, 2½-in. pots, \$10 per
100; \$100 per 1,000; 3½-in., \$15 per 100; \$145
per 1,000. Own root: My Maryland, Pink and
White Killarney, Richmond, Kaiserin, Perles,
2½-in., \$5 per 100; \$45 per 1,000; 3-in., \$7
per 100; \$60 per 1,000. J. L. Dillon, Blooms-
burg, Pa.

ROSE CUTTINGS, Lady Hillingdon, \$25 per
1,000. White Killarney, \$18 per 1,000. Seed-
ling Smilax, \$4 per 1,000. Cash with order.
L. B. Coddington, Murray Hill, N. J.

Nice young ROSE STOCK from 2½-in. pots:
American Beauties, \$6 per 100; \$50 per 1,000.
Kaiserin Aug. Victoria, \$4 per 100; \$25 per
1,000. J. A. Budlong, 82 East Randolph St.,
Chicago.

5,000 American Beauty Bench Plants, \$6.50
per 100; \$60 per 1,000. WIETOR BROS., 162
North Wabash Ave., Chicago.

Roses. For varieties and prices see adver-
tisement elsewhere in this issue. The Leedle
Floral Co., Springfield, O.

Roses. For varieties and prices see adver-
tisement elsewhere in this issue. The Storrs
& Harrison Co., Painesville, O.

Roses. McHutchison & Co., 17 Murray St.,
New York.

Roses. S. S. Skidelsky & Co., 1215 Betz
Bldg., Philadelphia.

Roses. 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

ROOTED CUTTINGS.

Rooted Cuttings: Abutilon Savitzi, Acalypha Macaefana, Schryanthus Emersoni, ageratum, 6 vars.; alternantheras, 8 vars.; alyssum, dbl. giant and dwf.; Begonia Vernon, Gracilis luminosa, Cuphea, Coleus, 10 vars.; Coleus Brilliancy, Chrysanthemums, 75 pompon vars.; heliotrope, hardy English Ivy, lantana, 15 vars.; lemon verbena, moonvines, petunias, Salvia Bonaire and Zurich; parlor ivy, Swainsona alba and rosea. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Rooted Cuttings.—Ageratum Gurney and Dwarf White. Coleus, 20 varieties, including New Vining. Tradescantia, 3 varieties, 60c per 100; \$5 per 1,000. Double fringed petunias, variegated and pink. Salvia, Zurich and Splendens, Dusty Miller, the narrow leaved variety, from soil, \$1 per 100. Cash. All the above strong, 2-in., 2c; 2½-in., 2½c. Moon Vines, grandiflora, 2½-in. strong, 5,000 ready, \$30 per 1,000; \$3.50 per 100. Cash. Wonseller Greenhouses, Bryan, Ohio.

Rooted cuttings: Verbenas, 70c per 100; \$6 per 1,000. Ageratum, 60c per 100; \$5 per 1,000. Heliotrope, daisies, salvias, \$1 per 100; \$8 per 1,000. Feverfew, petunias, \$1.25 per 100; \$10 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Alyssum, double, \$1 per 100; \$8 per 1,000. S. D. Brant, Clay Center, Kans.

Rooted cuttings, Ageratum, Stella Gurney, 60c per 100. Daisy, Mrs. F. Sander, \$1 per 100. Hydrangea Otaksa, \$1 per 100; Vinca Var., 75c per 100. Edward Wallis, Berlin, N. J.

ONION SETS.

Choice ONION SETS, yellow, \$1.50; white, \$1.75; yellow multipliers or shallots, \$1.80, all per 32 lbs. bushel, sacks included. Sluis Seed Store, 544 West 63rd St., Chicago.

SEEDS.

Seeds, beans, beets, cabbage, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, glorioles, larkspur, nasturtiums, pansies, petunias, phlox, primulas, snapdragons, stocks, verbenas, zinnias, etc. Mett's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mett, Quedlinburg, Germany.

THE SAWYER ASTERMUM—Eight years of strict selection places it on the mountain top of perfection, in color, size and profit. Price (cash with order), \$8 oz.; \$4.50 ½ oz.; trade pkg., 1,000 seeds (not mixed), \$1. Colors: White, pink and lavender. Send for cuts and description. ALBERT A. SAWYER, Forest Park, Ill.

Have lovely shell-pink CREGO ASTER SEED, ½ oz., \$1; oz., \$2; 2 ozs., \$3.50. Shunsbline Flower Gardens, 3365 East 139th St., Cleveland, Ohio.

Seeds, New Zealand grown garden peas, sacks of 3½ bus. net, \$6.75 per bu. of 60 lbs., f. o. b. New York. Lochner & Co., 11 Warren St., New York.

Flower seeds. For varieties and prices see advertisement elsewhere in this issue. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Seeds, cauliflower, white Tripoli onion, (crystal wax) and all other vegetable and flower seeds. Dammann & Co., San Giovanni a Teduccio near Naples, Italy.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, specialties: Beets, mangoes, carrots, cabbage, celeries, parsleys, parsnips, turnips, R. & M. Godineau, Angers, France.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, pepper, asparagus, tomato, musk and watermelon. J. E. Hoopes & Co., Box 38, Muscatine, Iowa.

Seeds, sweet peas, nasturtiums, cabbage, Oxheart carrot, lettuce, onion, radishes. Tompkins & Co., Inc., Los Angeles, Calif.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onions, lettuce, carrot, radish. Braslan Seed Growers Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Boigliano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds, lawn grass. J. Oliver Johnson, 1874-76 Milwaukee Ave., Chicago.

Seeds, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

SMILAX.

Smilax, 4-in., \$1 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Smilax, 3 times cut back, 2½-in., \$1.50 per 100. Cash. John Bauscher, Freeport, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, Ramburg's famous silver pink, rooted cuttings, \$2 per 100; extra strong 2½-in., \$3.50 per 100. Addems, Morgan & Co., Paxton, Ill.

STEVIA.

Stevia, rooted cuttings, \$1 per 100. Cash. John Bauscher, Freeport, Ill.

STRAWBERRIES.

Fall bearing strawberry plants; best varieties; catalogue free. Basil A. Perry, Cool Spring, Del.

VEGETABLE PLANTS.

800,000 vegetable plants, Cabbage, cauliflower, tomato (100 postpaid 60c), 1,000, \$4. Beets, lettuce, asters (100 postpaid 35c), 1,000, \$2. Glicks Plant Farms, Lancaster, Pa.

Asparagus roots, 2-year-old, Barr's Mammoth, Columbian Mammoth White, Conover's Colossal and Dreer's Eclipse, 50c per 100; \$4 per 1,000. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Tomato plants, Sutton's Best of All and Bonny Best, the latter from greenhouse grown seed; extra strong 2½-in., \$2 per 100. Addems, Morgan & Co., Paxton, Ill.

For Sale.—Strong pieplant divisions, Linnaeus and Victoria, \$4 per 100; \$25 per 1,000. Mosback Greenhouse Co., Onarga, Ill.

VERBENAS.

Verbenas, Defiance, red; Mayflower, pink; Mammoth, purple; Italian, striped; all strong seedlings, ready for 2-in. pots, prepaid, \$6 per 1,000; \$1.75 for 250. P. Pearson, 5732 Gunnison St., Chicago.

Verbenas, transplanted seedlings, the finest mammoth and named varieties, in separate colors, 75c, 100; \$6.00, 1,000. Cash. ROBER & RADKE, Maywood, Ill.

Lemon verberna, rooted cuttings, 100 prepaid, 75c. Chas. Frost, Kenilworth, N. J.

VINCAS.

VINCA MINOR (trailing periwinkle). A hardy evergreen vine trailing close to the surface, forming a dense mat, thriving under trees where grass will not grow; useful for binding the soil on slopes to prevent washing, for covering graves, where the blue flowers contrast finely with the glossy green foliage. Well rooted plants, \$1.50 per 100; \$10 per 1,000; 5,000 for \$40. Samples on request. E. Y. TEAS, Centerville, Ind.

Vinca Variegata, fine rooted cuttings, \$5 per 1,000. Green vinca, \$3 per 1,000. Write quick; sample on request. D. E. Adsit, Jamestown, Ohio.

Vinca Var., 2-in., 2c. Geo. M. Emmons, Newton, N. J.

Vincas, 2½-in., \$3 per 100. O. Eisele, 11th and Westmoreland Sts., Philadelphia.

VIOLETS.

Violets, Princess of Wales, California and Luxonne, rooted cuttings, clean and strong, \$1 per 100; \$9 per 1,000. Cash with order. J. Gillmet, Moylan, Del. Co., Pa.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material of all kinds. Hotbed sash. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Building material. Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash, Hitchens & Co., 1170 Broadway, New York.

CARNATION STAPLES.

SUPERIOR CARNATION STAPLES. Mend your split carnations. Finest article for carnation growers introduced so far, 50c for 1,000, postage paid.

MICHIGAN CUT FLOWER EXCHANGE. 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs, Hitchens & Co., 1170 Broadway, New York.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing avenue, Brooklyn, N. Y.

MISCELLANEOUS.

Moisture proof flower boxes. For sizes and prices see advertisement elsewhere in this issue. A. A. Arnold, Dept. F, 16-22 S. Peoria St., Chicago.

The Hontsch boiler. J. P. Dahlborn, general agt. U. S. A., Grand Central Palace, New York City.

Greenhouse glass. Baur Window Glass Co., Eaton, Ind.

Olmsted's improved mole trap. L. H. Olmsted's Son, Hasbrouck Heights, N. J.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

Cedar plant tubs. Write for prices. Patton Wooden Ware Co., Seattle, Wash.

Goodrich hose for greenhouse use. The B. F. Goodrich Company, Akron, O.

Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Iron reservoir vases and lawn settees. McDonald Bros., Columbus, O.

Boiler flues. H. Munson, 1405 Wells St., Chicago.

Anti-Klog, the Sprayer of many uses. Illinois Metals Co., Chicago, Ill.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Glass. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Greenhouse White Lead Paint. William H. Lutton, Jersey City, N. J.

Bauer Seed Germinator, 35c each; \$3.50 per doz. Bauer Germinator Co., Manitowoc, Wis.

Mastica for greenhouse glazing. F. O. Pierce Co., 12 W. Broadway, New York.

Florists' supplies of all kinds. Percy Jones, 56 E. Randolph St., Chicago.

Threads, all kinds (Green Silkline). John C. Meyer Thread Co., Lowell, Mass.

Tree tubs and brass hoop jardineres. The American Woodenware Co., Toledo, O.

PRINTING.

Special Florists' Printing. Samples free. Oscar Fink, Pottstown, Pa.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS AND FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

STAKES.

Cane Stakes, Standard grade, 6 to 8 feet, per 100. 85c; 500 for \$3; \$3.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000 \$5. Vaughan's Seed Store, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Our Three Kinds of Construction

Flat Iron Frame

FOR houses up to certain width limits this construction has many strong advocates.

It has the same side posts and eave plate used in our regular **All Iron Frame**.

The purlins are all angle iron with each bar screwed to them. The columns are pipe.

The gables are strongly reinforced with posts and angle irons. For the money it's an exceptional value and a logical step toward the All Iron Frame which most growers eventually build.

All Iron Frame

SOME growers sometime argue that this construction costs too much. Over and over again, we have proven that for houses from 40 feet and up; and in lengths of over 100; it costs but surprisingly little more than the Half Iron Frame.

It's enough sight easier to erect, and what you pay extra in cost of materials, you practically make up in decreased erection expense.

Everyone admits it's the most enduring.

Cantilever

THIS is the newest thing in the field today.

The idea upon which it is based, however, is not new.

It's as old as iron bridge building. Although there are fewer rafters, columns and purlins used, the framework itself is lighter in result than flat rafter constructions. The specially constructed rafters are 12 feet instead of 8 feet apart. The glass is 20 inches instead of 16.

Full particulars are given in our new circular. Send for it. Or better yet, let's talk it over together.



Hitchings and Company

Elizabeth New Jersey

New York Office, 1170 Broadway

Philadelphia Office, Penna. Bldg., 15th & Chestnut Sts.

GLASS CIRCLES.

When you want to cut that 6-inch circle in the greenhouse glass, when you want to cut an arched light for the door, don't experiment. Be wise. Use this "RED DEVIL" circular glass cutter.

THIS
"RED DEVIL"
CUTS
GLASS CIRCLES.

\$1.25
EACH.

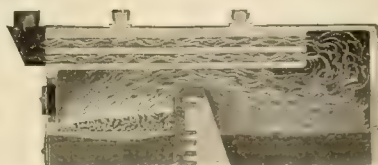
It will cut a 2-in. circle or a 12-in. circle or a 22-inch circle in any kind of glass. It will cut curves, bends or straight. It's a "RED DEVIL."

"RED DEVIL," No. 263—Just one more of these famous "Red Devil" glass cutters. You have use for it daily. Your hardware dealer sells it. Ask and insist on the Genuine but if an imitation or substitute is offered, refuse it. Send us \$1.25 and one only sample will be sent you postpaid.

SMITH & HEMENWAY CO., 215 Chambers St., N. Y.

The KROESCHELL Boiler

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PERFECT HOT
WATER BOILER



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Has the Highest Standard of Heating Values

Immense Self-Cleaning Heating Surface—Longest Fire Travel—Perfect Combustion—Free Circulation—Thin Waterways—Guaranteed Working Capacities—Safety—Durability—Efficiency and Economy.

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A Prominent Rose Grower Praises the Kroeschell.

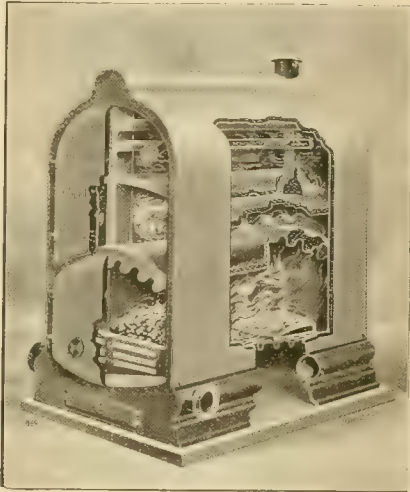
I think your boiler is the boss of all boilers. JEFF DOREMUS, Green Village, N. J.

Heats Canadian Range Easily and Saves Fuel.

I had a flue boiler before I got the Kroeschell, which could hardly heat the glass, although it used more fuel than yours. I also have your Generator, which is giving good satisfaction. I think a Generator would pay for itself in a few weeks. J. L. HILLBORN, Leamington, Ont.

KROESCHELL BROS. CO., 452 W. Erie St., CHICAGO

NATIONAL FLOWER SHOW SPECIAL NUMBER
NEXT WEEK. SEND ADVTS. NOW.



The Florists' Savings Bank

You Can Save 50 per cent of Your Coal Bill

The Hontsch Boiler

at the International Flower Show will show you how

J. P. DAHLBORN

GENERAL AGENT FOR U. S. A.

Grand Central Palace : NEW YORK CITY

GREENHOUSES.
MATERIAL FURNISHED
AND
MEN TO SUPERINTEND
ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FEET OR LONGER.
THE A. T. STORMS LUMBER CO.,
NEWPORT, BOSTON, MASS.

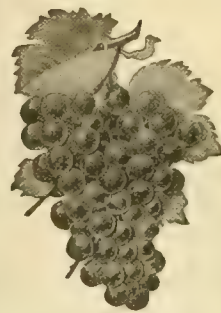
MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Portland, Ore.

The unseasonable weather Easter week had much to do with the keeping down of the Easter sales, according to the report of Clarke Bros., but by Sunday it was apparent that there would be some increase in the amount of business done compared with that of last year. There was an abundance of pot plants of all kinds. Easter lilies were left over, but cut flowers cleaned out. Everyday prices ruled, no advance being maintained. Well grown rambler and baby rambler roses found ready buyers. Practically every grower succeeded in getting his lilies in and many were shipped to florists in the smaller cities of Oregon and Washington.

C. B.



Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 36 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure, An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets, etc. to sole makers. Write for prices, etc.

Wm. Thomson & Sons, Ltd., Tweed Vineyards, Clovenstone, Scotland.



Unequaled for greenhouse and landscape fertilizing.

THE PULVERIZED MANURE COMPANY

32 UNION STOCK YARDS, CHICAGO

*green Flies and
Black ones too*

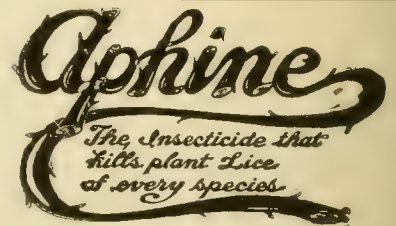
are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOFF CO., MOUNT VERNON, N. Y.



*The Insecticide that
kills plant Lice
of every species*

The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Unlike Bordeaux and lime, and sulphur it does not stain the foliage, but cleanses it.

75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and vermicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used 1 part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals.

Madison, N. J.

M. C. Ebel, General Manager.

Mention the American Florist when writing

Richardson Greenhouse Boilers

HOT WATER AND STEAM

Round -- Side Feed -- End Feed

Sixty Sizes. All Capacities

THE MOST SATISFACTORY BOILERS EVER PRODUCED



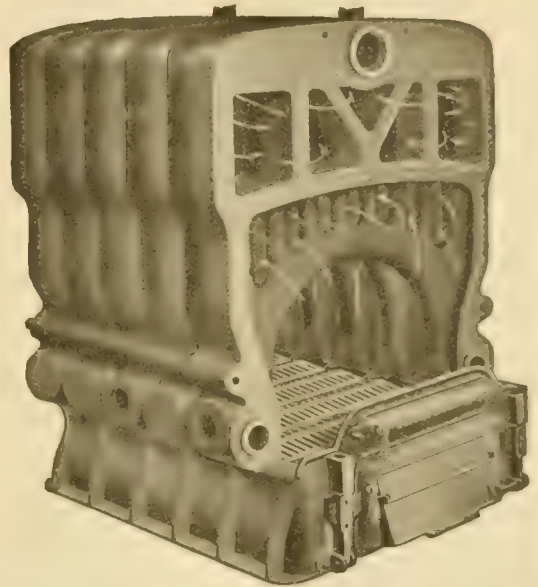
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Economy

Ease of Management

Send for
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Established 1837.



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BUFFALO WHITE (Semi-Paste)
Most Perfect White Paint Made.

Be sure to get our estimates.

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338-342 Ellicott St., BUFFALO, N. Y.

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We are leaders. Large stock, good prices.

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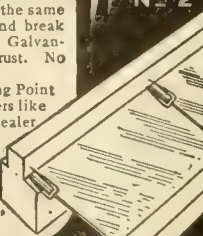
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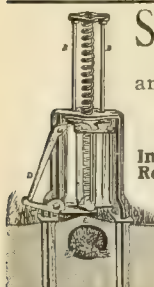
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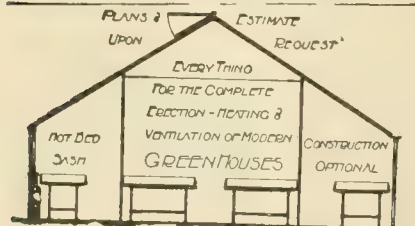
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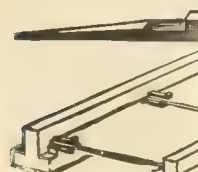
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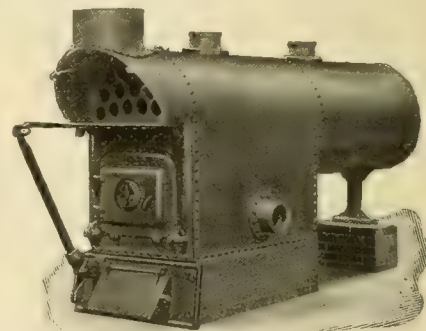
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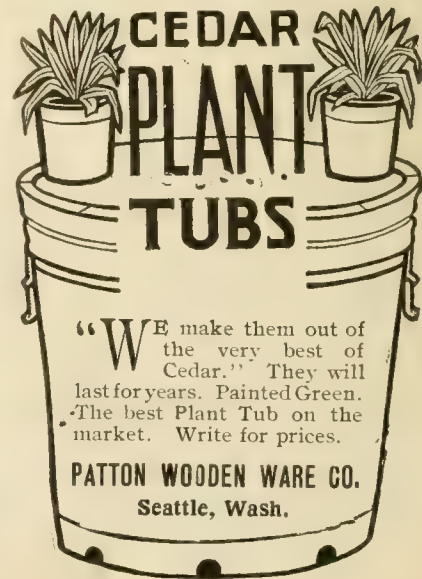
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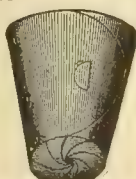
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We will furnish you the
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Keel of 500 ft., " 14 1/2 c.

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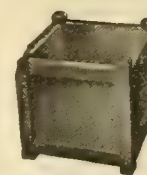
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Vol. XL

CHICAGO AND NEW YORK, APRIL 12, 1913.

No. 1297

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address; Amflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada, \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August 3, 1901.

Address all correspondence subscriptions, etc.,
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annual convention and trade exhibition at Minn-
neapolis, Minn., August 19-22, 1913.

The Amateur Gardener.

Doris wants a garden, now that spring is almost
here.

And she will doubtless get it—for Doris is a
dear—

A little bed, six feet by eight, with roses and
sweetpeas.

She says she's sure that I can work a plot like
that with ease.

And I agree, because I find

To argue doesn't change her mind.

With pad and pencil she has planned the little
garden out.

Just where the mignonette will go and where
the pansies sprout.

What sort of border must we have, and that
geraniums

Will hold their bloom until it's time to pick
chrysanthemums.

It's fun for Doris * * * As for me

I've naught to do but just agree.

O'er catalogues we pour each night, selecting
what we feel—

Will grow the best—and what the neighbor's
children will not steal—

And every morning we go out into the old back
yard

To choose a spot where digging won't be so
awful hard;

For Doris says, bless her dear heart!

She knows that I will do my part.

But there's a thought that worries me through
all these preparations.

For raising blooms and saving them from youth-
ful depredations;

I'd like to ask her if I may—and yet I do not
dare—

Plant something that is good to eat in our gar-
den fair.

Will she permit me one small spot

To raise onions! I fear not.

—Cincinnati Times-Star.

THIRD NATIONAL FLOWER SHOW.

New York, April 5-12.

Robert Craig's Survey.

The show as a whole is the finest
ever held in this country. The Boston
show of two years ago excelled in the
rose garden arrangement by Thomas
Roland and specimen ramblers from
M. H. Walsh, but in the quantity and
quality of the flowering and foliage
plants, this exhibition is away ahead.
Thomas Roland, of Nahant, Mass., had
the finest exhibit in Boston, and has
again excelled all in his large group
of acacias, bougainvilleas and heaths,
every plant perfect and the arrange-
ment of the group superb. Mr. Roland
is an artist as well as one of our clev-
erest growers. He is the bright par-
ticular star of both big exhibitions.

There is a great display of cut
blooms of carnations, with several
promising novelties, and the best dis-
play of cut roses ever shown in this
country. I think Killarney Brilliant
the finest of the novelties. Good
judges from across the sea declare the
rose exhibit has never been equalled
in Europe, so far as cut flowers are
concerned.

Among the notable things shown are
Pandanus Beauty of Lindenhurst,
which took the two-hundred-dollar
prize for the best new foliage plant.
An improved variety of Dracaena God-
seffiana, called Mme. Pankok, should
be valuable commercially. The French
Hydrangeas Radiant and Mme. Mol-
liere loom up large from the commer-
cial point of view. Spirea Peach Bloss-
om, dwarf, and S. Geyser, dwarf
white, look particularly promising. S.
Philadelphia, a deep bright pink also
looked good.

Harry Papworth's New Orleans
strain of Easter lilies, said to be a
cross between Liliun Longiflorum and
L. Harrissi, is very healthy and
floriferous, attracting great attention
from the lily growers. Farquhar's
Liliun myriophyllum is graceful, sub-
stantial and valuable.

The attendance is steadily increas-
ing day by day and the show is likely
to prove a financial success, in which
the large amount received from the
trade exhibitors figures a big factor.
We can all see now that two years
hence with the additional experience
gained at this show, the next one can
be made still better.

Kift's Narrative.

The Third International Flower
Show of the Society of American Flor-
ists in co-operation with the Inter-
national Exposition Co., to which the
florists of the country have been look-
ing forward for the past six months,
opened in the new Grand Central Pal-
ace, New York, Saturday, April 5,
promptly at 6 p. m. For such a large
collection of exhibits, many of them
coming long distances, it was remark-
able how little delay there was. There
was a little confusion near the finish,
but all was soon straightened out and
the judges were soon at work and the
prizes awarded before the time set for
the opening.

It is unquestionably a great show
both in the quantity and quality as
well as the variety, of the exhibits.
As compared with the last exhibition
in Boston the display is without doubt
larger, but it is lacking in some of
the decorative effects of the Boston
show. The rose garden of Thos.
Roland, Nahant, Mass., and the great
specimen roses of M. H. Walsh, Woods
Hole, Mass., both of which added much
in their arrangement to the beauty of
the Boston show, as well as the pic-
turesqueness of the Dutch garden of
the R. & J. Farquhar Co., Boston,
Mass., are missing. Some of the dis-
plays at this exhibition have the qual-
ity but appear to be crowded into too
small a space. This is particularly
true of some of the rose exhibits and
also the lilies and some of the bulbous
stock entries, the fine points of which
could not be examined as closely as
one would have desired.

The staircase at the main entrance
was decorated with large arecas, pyra-
mid and standard-shaped bay trees, all
very large and handsome plants. When
the main floor was reached a beautiful
vista opened to the view. In the im-
mediate foreground were spread out
as in beds on either side of the main
aisle tulips, hyacinths and daffodils.
These were in competition, but placed
so close together that they had the
effect of outside planting. On the
right, immediately behind them, rose
tall longiflorum lilies in pots in groups
of one hundred. There were some five
or more entries, which made a great
show, but should have had more room
properly to display them. At this

point on either side of the main aisle, was seen a pyramid of hydrangeas surmounted by a large Scotti fern. One of the hydrangeas was the pink General de Vilraye and the other the blue Bouquet Rose. These were much admired. They were placed by Louis Dupuy, Whitestone, N. Y., not for competition.

Several fine plants of Dr. Van Fleet roses in competition for the Peter Henderson prize were seen further along on the right in the grand court, which rose at this point. Beds of rhododendrons flanked either side. A large group of *Cineraria stellata* with their masses of color came next, adjoining which were groups of palms at the bases of the large columns arranged for decorative effect. Magnificent groups on both sides of the main aisle by H. C. Steinhoff, West Hoboken, N. J., and Anton Schultheis, College Point, N. Y., made a very fine showing. They were in competition for the \$200 prize and each covered a space of 300 square feet. Another bank of *Cineraria stellata* occupied a corner of the cross aisle, while the orchestra was placed on the opposite side.

The orchid section was to be seen to the right of the aisle, while on the left was seen two competing groups of rambler roses. The orchid display was superb, although it seemed too crowded, the collections of the Julius Roehrs Co., Lager & Hurrel, W. A. Manda and the John A. Roebing's Sons Co. being so close together that they could be seen only from the outside. The various exhibits were each perfect. The Roehrs orchids were arranged on a round staging raised to a pyramid in the center. The display contained 150 varieties. *Dendrobium thrysiflorum* and *nobile* in fine spikes of bloom were prominent in all the collections. The Roebing entry was raised in the center on arches covered with bark, from which some of the specimens were suspended. Beautiful cypripediums were a feature of this collection. The tables across the aisles in this section were also given over to orchids—entries of smaller collections and for specimen plants, of which there were quite a number.

From England there came plants of *Odontoglossum Harryanum* and *crispum*, plants with a magnificent spike of bloom, brown ground, mottled and edged with white. Another *odontoglossum* was Queen of Galton. There were also *O. triumphans* and *O. pulchellum*, a large flower, brown mottled with yellow and golden tips. *Odontioda Bradshawia*, *Cochlioda Noetziiana* and *Odontoglossum crispum*, variety Mary Coleman. These three varieties had just been received from Sir Jere-

miah Coleman of Galton Park, England. The orchid display was probably the greatest feature of the show.

Across the western end of the building Peter Henderson & Co. had arranged a garden effect before a Dutch cottage, over the door of which was inscribed "From Holland to America." Quantities of bulbs were used in this garden whose brilliant coloring made a fine effect. Evergreen trees were used as a background. Turning east into the next aisle after the orchids, Louis Dupuy's collection of *ericas* attracted attention. Sixteen varieties well covered with flowers in one group, and across the aisle another of twelve

else in this country. His *pubescens* and *longifolia* varieties were superb, and there were many others equally meritorious. The large plants of *bougainvilleas* were exceptionally well flowered and of splendid color. A group of *ericas*, the largest plants in the hall, were a perfect cloud of blooms. All these, added to many plants of *metrosideros* full of their showy red brushes or plumes, and his great collection of cyclamen, the very acme of perfection, made this display alone worth a visit to New York. One cannot help being inspired by a study of what this one master of his profession has accomplished. All hats off to Thomas Roland, of Nahant, Mass.

At the head of this south aisle was a large group of *astilbe* from white to pink, which was very attractive. Trained ivy was the feature of the adjoining display. It was a Bobbink & Atkins exhibit, showing what could be done with ivy when trained over wire forms of dog, stag, bird, urn, chair, basket, fountain and other like garden ornaments. It attracted considerable attention. H. F. Michell's commercial exhibit adjoining, featured the new geranium Helen Michell, a fine new scarlet of great promise. Evergreens and hardy out-door stock were also in evidence.

The Robert Craig Co., Philadelphia, Pa., staged a splendid lot of young stock of their specialties, being strong in crotons, ferns, pandanus and other foliage plants. Cyclamen and flowering begonias were also to be seen. F. R. Pierson, Tarrytown, N. Y., showed different form of his *Nephrolepis elegantissima*, *Elegantissima compacta* and other sorts. There were also vases of the new dark red carnation Princess Dagmar, raised by M. A. Patten of Tewksbury, Mass., Chas. H. Totty, Madison, N. J., made a fine showing of his new pink rose Mrs. Shawyer in the next space. The carnation Northport and some small chrysanthemums in flower were other novelties. The publications Out-Door World and Recreation made large exhibits of their papers in the next space. Across the aisle were plants of *schizanthus*, flowered as they had never been done before. So said many good plantmen who saw them. They made a grand showing and the judges had their work cut out to determine which were the best. How ferns grow, a small educational exhibit, was staged by J. F. Nuss of Hartford, Conn. This was very interesting, showing ferns from seed pan to well-established plants. Splendidly flowered gloxinias filled a large table and added variety with their gorgeous coloring. Anton C. Zvolanek staged some twenty-five



Wm. Duckham.
Manager National Flower Show,
New York, April 5-12.

plants of *Acacia cordata* were entries to be proud of. Another group of *Cineraria stellata* added color, while the other side of the Steinhoff's bank of roses was seen. Another great feature of the show came into view in the exhibit of Thos. Roland, whose acacias, heather, *bougainvilleas* and *metrosideros* were arranged in a large grouping extending from this aisle to the next and from the front down a distance of sixty feet or more. It was quite the equal of his display at Boston, although there was not quite the same room to see it. We think it is safe to say that such magnificently flowered plants can be seen nowhere



AZALEAS AT THE NEW YORK SHOW.



SOME OF THE ORCHID EXHIBITS AT THE NEW YORK SHOW.

vases of his new Spencer winter-flowering sweet peas, superb flowers which Mr. Zvolanek says will flower at any time. They are a great improvement over existing sorts of the old types. None of the varieties are as yet named, but he has permission to name the best after President and Mrs. Wilson. Several of the sets are quite double, but he does not think that this adds to their beauty.

To the right of the aisle were seen the palms and other foliage plants in competition for single specimen and collections of three and six, with perfection showing in every detail. Max Schling's exhibit on the left was especially attractive to the visitors, showing made-up baskets of foliage and flowering plants, also baskets of cut flowers and dainty corsage bouquets. The Julius Roehrs Co.'s entry of florists' stock, including all the popular plants and specimen boxwood, occupied the remaining space on this aisle. Going east on the other side of the building, the groups of palms and monumental plants and the rose plant exhibits were seen from the other side. Collections of amaryllis hybrids were seen on the right, several exhibits extending into the cross aisle. Never has there been seen such a display of these gorgeous flowers before in this country. Azaleas and cyclamen plants with great profusion of blooms were in front of a fine group of palms. Rhododendrons and more cyclamen bordered the aisle, near the end of which Louis Dupuy had arranged a pyramid of white hydrangeas and pink spireas, surmounted by a choice fern. The hydrangea heads were immense, grown one to a plant. The variety Madame Molliere is destined to be



Chas. H. Totty.

Chairman National Flower Show Committee.

the leading white for a time at least. Two large groups of lilac plants on either side of a bed of the newer hydrangeas, all splendidly flowered, filled the section at the cross aisle.

In the corner and extending along the extreme north aisle was the exhibit of A. N. Pierson, Inc., Cromwell, Conn. Great banks of Farleyense ferns were interspersed with orchids, hydrangeas

and rambler roses. A table of Farleyense ferns in the center contained a vase of Milady roses, fine blooms, and in front another vase of Mrs. Aaron Ward roses. This display occupied 600 square feet and was very effective. R. and J. Farquhar & Co.'s new lily myrophyllum, a truly beautiful flower, was next seen, together with a number of varieties of ampelopsis and hardy shrubs, new plants recently collected in China and Japan. Another fine exhibit of cyclamen, in fact several entries, bordered this aisle, each so fine that the judging would be no easy task. R. G. Wilson of Brooklyn displayed filled ferneries and a collection of plants suitable for house decoration. W. A. Manda's collection of evergreens was across the aisle from some magnificent white azaleas which caught the eye of every visitor. These were from the Newbold estate of Philadelphia and carried perfectly. Across the east end, next to the wall, were the entries for evergreens and flowering shrubs. Many handsome specimens were seen here. Miniature landscape gardening effects occupying 300 square feet were seen in several entries. W. A. Manda, Theodore Roehrs and Frank Josifko making interesting exhibits.

The second floor and mezzanine gallery contained many fine exhibits. After passing some fine specimens of that beautiful palm, Phoenix Roebelinii, and turning to the left, the Knight & Struck table of heather and other hard wooded plants was seen. The ericas were very well flowered, as were a number of acacias. Ericas translucens, perspicua erecta, cupressina and E. ventricosa magnifica were features. A number of new Holland

plants, all rare but very beautiful, added variety. *Baeria rubioides*, *Aotus gracillimus* and *Herdenbergia monophylla* were conspicuous. *Boronia elatior* and *Acacia cordata*, splendidly flowered, together with other like plants, made this a very interesting exhibit. Wm. Tricker of Arlington, N. J., made a display of water lilies and hardy plants which was much admired. *Nymphaea daubeniana*, which perpetuates itself from the leaf, was a novelty. *Andromeda Japonica* in full flower was a feature, as were *Azalea Hynodigiri* and other Japanese sorts. Groups of hydrangeas by Bobbink & Atkins, Louis Dupuy and F. H. Fusser and specimen plants of *marguerites*, *schizanthus*, *mahernia chorizema* and *hyncospermum* followed here. A specimen of *imantophyllum*, very well flowered, was a feature. *Adiantum farleyense gloriosum*, a fine specimen, together with *Cyrtomium Rochfordianum* and a fine piece of *Platynerium alcione* made an interesting group. Standard lilacs, large begonias, very full of bloom, and hybrid *calceolarias* were arranged next the gallery railing. *Anthuriums*, standard *heliotropes*, *begonias Rex* and *Gloire de Lorraine* were also in this section.

The cross aisle or gallery contained many fine entries. A magnificent *Cibotium Schiedei* fifteen feet in diameter from the C. B. Newbold estate was conspicuous. A group of very well flowered gardenias and beds of *rhododendrons* by Anton Schultheis and Bobbink & Atkins were features, as were groups of *dracenas* by W. A. Manda and John Wanamaker (John Dodds, gardener). Beds of tulips, hyacinths, and *amaryllis hybrids* added color to the foliage plants in this section. A feature of the north gallery aisles were the hydrangeas. Exceptionally well-flowered specimens of the newer French varieties were seen bearing great heads of bloom of brilliant coloring. Exhibits of *crotons*, *dracenas* and other foliage plants, together with a showy display of *Primulas obconica* and *malacoides*, were very interesting. The groups of *crotons* and *dracenas* of the Robt. Craig Co. and the *crotons* of F. V. Burton (W. Cordes, gardener) and Wm. Duckham's bed of well-colored plants all showed up fine. In the extreme eastern cross aisle were staged ferns and palms—handsome specimens of *phoenix* and collections of larger ferns and specimen plants. Wm. Sim's pansies were about the

only exhibit of note on the third floor, with the exception of a fine group of *anthuriums* by W. A. Manda.

The King Alfred daffodil exhibited by Warnaar & Co., Sassenheim, Holland, created a sensation. It is a clear yellow with the center a shade deeper, and of immense size—four inches in diameter. The variety is too valuable as yet for commercial purposes, but is certain to become a popular sort. A few roses were staged on Saturday. The variety *Lady Alice Stanley*, a large full flower with long stiff stems, attracted attention. It is an English variety, a clear pink and a trifle lighter inside the petals. It is thought by rose experts to be all right if it is prolific. Baskets of roses were staged on Saturday instead of Monday. There were several well arranged pieces. The winner was of Mrs. Ward and *Lady Hillingdon* roses in a plain willow basket with light handle, wrapped with narrow colored ribbon and with a large bow of same ribbon on the side. The other two were *Lady Hillingdon* and *Richmond* roses. One with *Farleyense* fern and the other with rose foliage. The bride's bouquet had four entries, three of roses alone and one with the addition of lily of the valley. There were several very pretty corsage bouquets, the winner being of Mrs. Ward roses.

The Max Schling exhibit of made-up plant and cut flower baskets contained many fine examples. A large one of yellow calla lilies with spotted foliage, Japanese maple and ferns with *tradescantia* edging and green and bronze ribbon finish, was very striking. Others with similar plants, added to which were choice heather and other blooming stock, which were very well done. A brown basket of *ixias* and *gerberas* and another of *ixia* and *anthuriums* were noticeable, as were others in combination with yellow roses and *dendrobiums*. Very pretty corsage bouquets of *Sunset* roses and pansies, others of the same roses and *Dendrobium nobile* were tastefully put together.

Mantel and Table Decorations.

The decorated mantels and table decorations which were exhibited on Monday were very beautiful and fine illustrations of up-to-date work in this line. S. A. Anderson of Buffalo, N. Y., arranged a beautiful piece of work with a wealth of *Farleyense* ferns. Heavy banks of this fern almost com-

pletely covered the mantel and was arranged with flowers at the base. An ivory vase filled with *Sunburst* roses stood high on one end, while the shelf was covered with *Milady* roses gracefully falling down at one end to the floor. The whole effect was very rich.

A. T. Bunyard of New York used dark pink *Killarney* and *Sunburst* roses with *Farleyense* fern on his mantel. It was very tastefully arranged, being high at the left hand corner with pink and yellow roses below, through which was placed Japanese maple branches. The shelf was done in the pink roses running off the opposite end in a very graceful spray. At the base were choice plants of *Dracaena Godseffiana*. Plants of *Cibotium Schiedei* were also effectively used. The whole effect was light, airy, tasteful and won the judges over to the first prize.

The Boston Cut Flower Co. has a very pretty arrangement of *Perkins* roses and *Farleyense* together with palms and two large floor vases of Mrs. Chas. Russell roses.

Max Schling, New York, arranged his mantel on a background of dark green velvet. The flowers used were *Lady Hillingdon* roses, which were placed in high and low vases either side the mirror and in graceful sprays along the shelf, falling gracefully down and giving the whole an attractive appearance. The color effect produced and the simplicity of the whole arrangement was very much admired. It received second prize.

There were four decorated tables and they were all beautiful, and as there were only two prizes the judges having to determine the winners, finally selected Alfred T. Bunyard's entry for the first. This had a tall slender silver vase filled with *Hillingdon* and *Firefly* roses with a base of the same for center with four small low vases of the same roses at equal distances around the center. Corsage and buttonhole bouquets of the same roses completed the decorations which were artistic to a degree.

S. A. Anderson's table was on much the same lines but the center was larger and heavier and while very beautiful seemed a trifle crowded. It was a handsome table.

The Boston Cut Flower Co.'s table had a center of *Taft* roses and *Farleyense* ferns and corsage bouquets of



BULBOUS STOCK AT THE NEW YORK SHOW.



W. N. Rudd.



J. K. M. L. Farquhar.



W. F. Kasting.



John Young.



W. A. Manda.



Theodore Wirth.



Harry A. Bunyard.



W. H. Siebrecht.



Wm. P. Craig.

PROMINENT WORKERS FOR THE THIRD NATIONAL FLOWER SHOW.

the same. The effect was simple and pretty.

Max Schling's table was very tastefully arranged with Mrs. Ward and Firefly roses. It was very dainty. A low vase in the center, held about 50 roses, with as many more on the cloth around the vase. Eight small vases holding six to eight each were placed in a circle equal distances apart. There were buttonhole and corsage bouquets on the plates. Rare foliage was the only green. The whole effect was very simple but so deftly arranged that it received second prize.

Cut Rose Exhibits.

As was expected, the display of cut roses was a record breaker both in the number and quality of the various varieties shown. They came from all directions, north, east, west and south. The Poehlmann Bros. Co. of Chicago staged a lot of splendid flowers, especially American Beauty, Richmond, White and Pink Killarney and Mrs. Taft.

A. N. Pierson, Cromwell, Conn., had a number of entries of splendid flowers. His vase of 50 Killarney Queen was a fine one. The flowers were borne on stems almost six feet in length, great canes surmounted by magnificent flowers.

The Waban Rose Conservatories' vase of Mrs. Chas. Russell was a great beauty spot of itself. Their vase of fifty, with its four to five foot stems, won first for best new rose not yet disseminated, and the same firm won first place with twenty-five for best pink forcing rose not yet disseminated.

These were close pushed by R. Scott & Son's new Killarney Brilliant, which made a great showing and seemed to strike the fancy of many of the growers.

There was great competition for the one hundred American Beauty roses, there being eight entries, and the judges had a great time in looking them over before giving first to Poehlmann Bros., who also took first prize for the fifty. Although coming so far their roses showed the best substance and color of any exhibited.

There was also a great struggle on the fifty Killarney, there were nine entries. The Waban Rose conservatories won out with the Jos. Heacock Co. second. The White Killarney prize was also well fought for. The Waban Rose Conservatories won this also with A. N. Pierson, Inc., second.

The vases of Richmond were very good as were My Maryland. Mrs. Taft was very showy and much admired by the general public. The yellows also attracted attention. Lady Hillingdon was seen on long stiff stems well colored. There were five entries of Sunburst and four of Mrs. Ward. There were five entries for any other disseminated variety of pink. Beatrice and Mrs. Jardine, Golden Gate, Mrs. Wakefield, Christy Miller, Bridesmaid and Pink Moss were entered for this. F. H. Cramer won out with Beatrice. The J. L. Mock rose staged by Robert Simpson looks like a comer and was much admired.

A vase of Bon Silene grown on long stems had to be looked at several times before it was recognized, the long stems being so unusual. The vase of Milady of A. N. Pierson, Inc., which won first as the best new red, attracted considerable attention. The white rose Madison was also a feature. The same firm placed a fine basket made of their best roses in their exhibit. It was arranged by Hoffman of Boston, Mass., in his best style. The vase of Mrs. Wakefield and Christy Miller, staged by W. H. Elliot of Boston, Mass., with its huge double buds, was another noticeable variety. Taking it as a whole, the exhibit marked an epoch in the present movement of commercial rose growing.

The Afternoon Lectures.

There were many expressions of regret heard when a cable was received from R. J. Felton of London, the king's florist, saying that he could not be present owing to sickness in his family. Many of the craft had looked forward to these lectures with interest as showing the English style in the arrangement of cut flowers and their ideas of decorating. A lecture

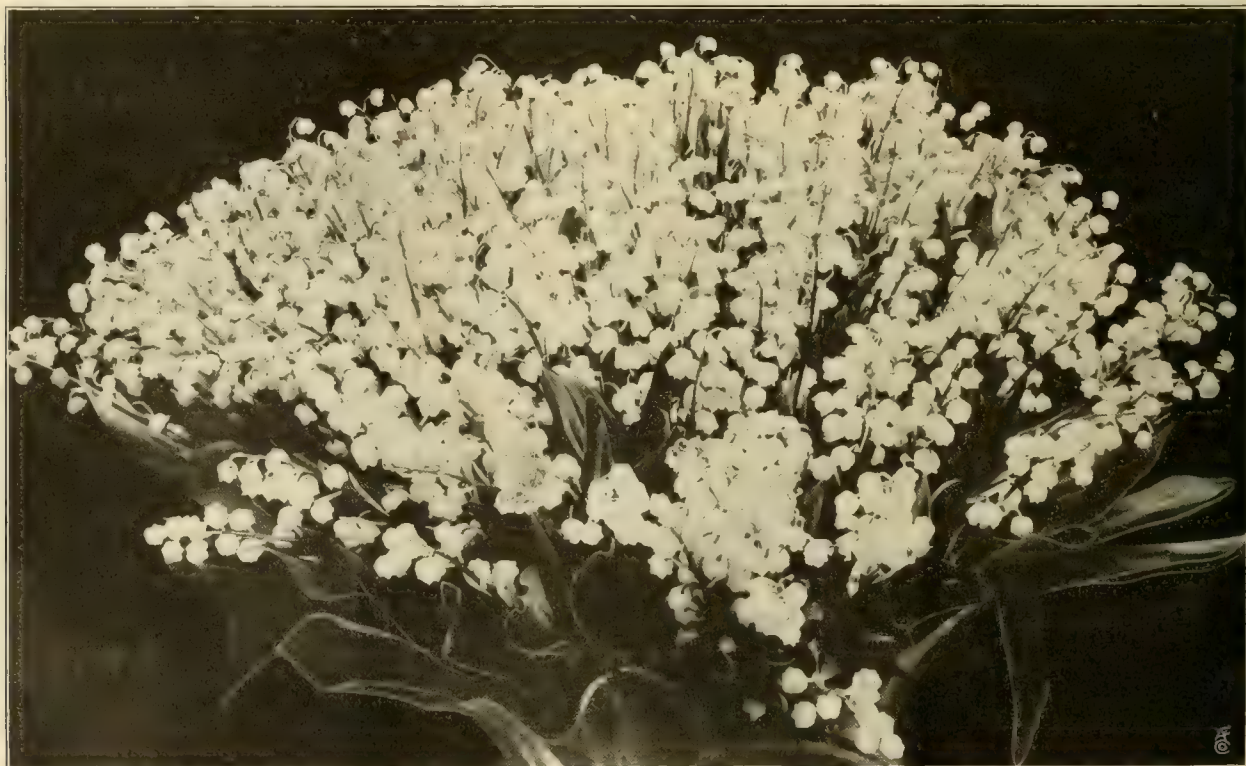
on color photography, as demonstrated by the use of color plates and illustrated with photographs taken from park views of Rochester and other cities, was given by Chas. J. Zoller of Rochester, N. Y. This was very interesting, many beautiful slides as photographed from nature being shown.

The evening lecture of E. H. Wilson of the Arnold Arboretum on China and Chinese plants was a great treat to his audience. It was well illustrated with lantern slides, all of which showed the various plants depicted in their native surroundings, some growing as single specimens and others collectively in great banks of bloom. To those who have not studied the origin of our best known trees and shrubs it was surprising how many of them came from Chinese territory. The climate of this far country Mr. Wilson says is much the same as the United States and nearly everything found growing there would do equally well here.

Chas. J. Zoller lectured again Monday afternoon, showing, by moving pictures, the opening of flowers. This was very interesting. The lecture of J. Horace McFarland, of Harrisburg, Pa., on the Arnold Arboretum, illustrated with lantern slides showing the wonders of this famous place, was full of inspiration, sending the visitor away with a longing for something of the kind to be added to the parks of his own neighborhood. K.

Greenhouse Builders' Exhibits.

While the opening day and the previous one brought rush orders to all exhibitors, none were busier than the greenhouse builders, who were there in force with their model greenhouses completed and filled with flowering plants and adding a very natural and beautiful feature to the show. On the morning of April 5 Superintendent Duckham posted a notice to all exhibitors that their exhibits must be complete at the time set for the jurors to begin work. At that, carpenters, glaziers and painters redoubled their



BUDLONG'S FIRST PRIZE LILY OF THE VALLEY AT THE CHICAGO SHOW.



Adolph Farenwald.



F. H. Traendly.



George Asmus.



W. C. Rickards.



Benjamin Hammond.



Jos. A. Manda.



John Donaldson.



H. O. May.



W. F. Sheridan.

PROMINENT WORKERS FOR THE THIRD NATIONAL FLOWER SHOW.

efforts and as a result everything was in good shape for the opening.

Exhibitors in the greenhouse line were the Lord & Burnham Co., New York; Hitchings & Co., Elizabeth, N. J.; Pierson U-Bar Co., New York; King Construction Co., North Tonawanda, N. Y.; Metropolitan Material Co., Brooklyn, N. Y.; Weathered Co., Jersey City, N. J. Other noteworthy exhibitors in the allied branches were the Johnstone Heating Co., New York, boilers and hot water circulators; Kroeschell Bros. Co., Chicago, boilers; Quaker City Machine Works, Richmond, Ind., Evan's greenhouse fittings; American Auxiliary Heating Co., Boston, Mass., hot water circulator; J. P. Dahlborn, Weehawken Heights, N. J., "Hontsch" boilers; Revere Rubber Co., New York and Boston, greenhouse and garden hose; Reed & Keller, New York, florists' supplies; H. Bayersdorfer & Co., Philadelphia, Pa., florists' supplies; Russin & Hanfling, New York, florists' supplies; Bobbink & Atkins, Rutherford, N. J. This firm in addition to their fine exhibit of nursery stock, etc., had a separate space for plant tubs and boxes. J. M. Thorburn Co., New York, a large exhibit, well staged, including seeds, bulbs and flowering bulbs and plants. Peter Henderson & Co., New York, a lifelike representation of a Dutch cottage and garden. Very clever stage business was worked in with scenery representing the cottage and lay figures of children on the veranda. The foreground was a mass of blooming hyacinths, tulips and narcissus with a green lawn from their own lawn seed.

W. E. Marshall & Co., New York, had a handsome exhibit of all the requisites of a first-class seed store. Burnett Bros., New York, had a well arranged exhibit of seeds and bulbs. An exhibit that attracted much attention were the ericas or heather of Knight & Struck, Flushing, N. Y. The Michell Seed Store, Philadelphia, a very striking boxwood exhibit. The exhibit of combination baskets of plants by Max Schling, a New York retailer, was

a good one. Schloss Bros., New York, ribbons; Roman J. Irwin, New York, small commercial plants; Jos. G. Neidinger, Philadelphia, Pa., florists' supplies and wax flowers; S. S. Pennock-Meehan Co., New York and Philadelphia, ribbons; M. Adler, New York, pearl flower pins; Ralph M. Ward, New York, lily bulbs; Bon-Arbor Chemical Co., Paterson, N. J., fertilizers; Means & Thatcher, Boston, Mass., greenhouse paints; P. Hamilton Goodsell, New York, nursery stock; the Plantlife Co., New York, insecticides; New York Stable Manure Co., Jersey City, N. J., fertilizers; Lemon Oil Co., Baltimore, Md., lemon oil insecticide.

A. F. F.

Attendance.

The attendance at the flower show up to the close of business Tuesday, April 8, gave the grand total of 26,000, distributed as follows: Saturday, April 5, opening day, 6,300, Sunday 4,400, Monday 7,300, Tuesday 8,000.

The paid admissions during this period it is estimated will aggregate \$8,000.

Notes of the Show.

The roses on Tuesday were placed on pedestals along the aisles and added very much to the decorative effect. The vases of 100 American Beauty and the other long stemmed stock were superb. A rose is not disseminated until it has been long enough in the hands of growers to enable them to produce flowers to compete with one another and the introducer. So says Wallace Pierson.

John Lewis Childs, Flowerfield, N. Y., has a neat and handsome exhibit showing bulbs and tubers and a number of his well known productions in flowers. Arthur T. Boddington exhibits a variety of flowering plants and has good space for the accommodation of visitors and customers.

A feature that escaped many of the visitors was the Easter lily display of H. Papworth, New Orleans, La. One

hundred five and six-inch pots of lilies in flower having from six to twelve flowers each, which carried 2,000 miles, looked as fresh as the local stock. This is a new variety and looks like an ideal sort.

Arthur Cowee, Berlin, N. Y., the noted gladiolus specialist, is on hand with a fine exhibit. He lectures on Friday, April 11, on the "Gladiolus." He is strong on Rochester White and Peace. Mr. Cowee's stand is well located and a very interesting place to visit.

An exhibit worthy of mention is the decorative and extension plant stands by H. G. Dreyer & Son, Cleveland, O. We cannot here fully describe this exhibit, but it seems to us to spell progress.

Many expressions of commendation of the show are heard. W. H. Elliot says: "It is a great exhibition, quality ahead of all former shows."

Wm. Eicholtz: "Every one should see this grand show. It is not sufficient to see the photos and read about it in the papers. You cannot get inspiration that way."

Richard Vincent, Jr.: "Taking it all in all it will be a long while before it will be beaten."

Robert Craig: "Best lot of roses ever staged in this country. Never was there such an exhibition of forcing roses."

W. Wells, London, England: "The roses are grand. They overtop all the other exhibits."

A. Farenwald: "The best rose show we ever had by far."

Awards

SECTION A.

Flowering Plants.

Acacias, collection, 160 square feet—Thomas Roland, Nahant, Mass., first.

Acacias, six plants, not less than three varieties—Thomas Roland, first; S. Dupuy, White-stone, L. I., second.

Acacias, three plants, one or more varieties—Thomas Roland, first; Anton Schuthels, College Point, N. Y., second.



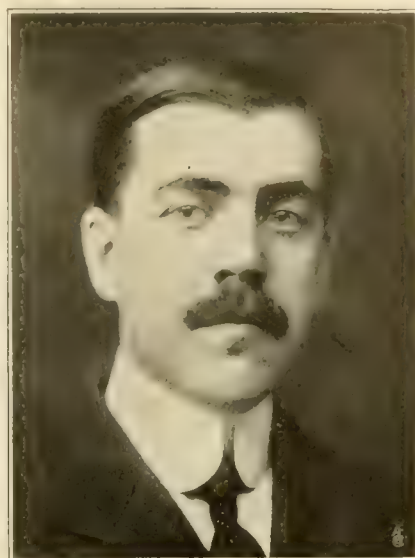
POEHLMANN'S PRIZE LILY OF THE VALLEY AT THE CHICAGO SHOW.



Philip Breitmeyer.



Wm. Sim.



I. S. Hendrickson.



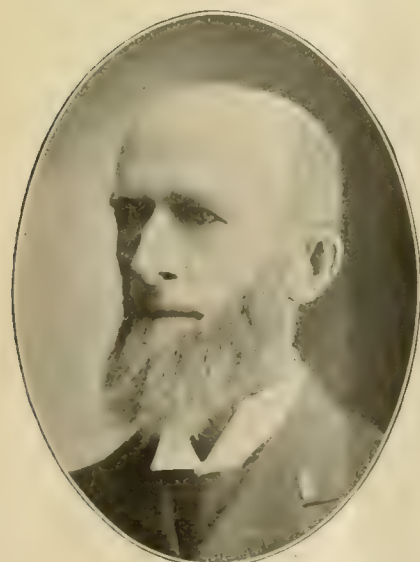
F. E. Dorner.



Carl Cropp.



L. M. Gage.



M. Crawford.



Thos. Roland.



A. F. J. Baur.

PROMINENT WORKERS FOR THE THIRD NATIONAL FLOWER SHOW.

Acacia, specimen plant, any variety—Thomas Roland, first; Mrs. F. A. Constable, (J. Stuart, gr.), Mamaroneck, N. Y., second.

Acacia pubescens, specimen plant—Thomas Roland, first.

Acacia paradoxa, specimen plant—Thomas Roland, first.

Amaryllis vittata hybrids, fifty plants, not less than twenty-five named varieties, to be shown in a group. Palms, ferns, or other foliage plants may be introduced for effect—Mrs. D. Willis James, (Wm. Duckham, supt.), Madison, N. J., first.

Geraniums, bed of fifty plants, arranged for effect—F. Marquard, Middle Valley, N. Y., first; W. A. Manda, second.

Heliotrope, six standard plants—Mrs. Willis James, (Wm. Duckham, supt.), first.

Heliotrope, specimen plant—J. H. Ottley, (Jas. MacDonald, gr.), Glen Cove, L. I., N. Y., first.

Hydrangeas, ten plants, not less than three varieties—Louis Dupuy, first; Anton Schultheis, second; J. H. Fieser, North Bergen, N. J., third.

Hydrangeas, six plants—Louis Dupuy, first;

L. Miller, Jamaica Ave., Brooklyn, N. Y., second.

Primula Kewensis, twelve plants—Percy Chubb, (A. MacKenzie, gr.), Glen Cove, L. I., first.

Primula obconica, twelve plants—John Wana-maker, (J. H. Dodds, supt.), Wyncote, Pa., first; Adolph Lewisohn, (J. Canning, gr.), Ardsey, N. Y., second; Charles M. Wernig, R. F. D. 11, York, Pa., third.

Primula in variety, twenty-four plants, other than above—Percy Chubb, (A. MacKenzie, gr.), first.

Rhododendrons, group, 100 square feet—Bob-bink & Atkins, first; F. R. Pierson Co., second.

Rhododendrons, twelve plants, not less than three varieties—Anton Schultheis, first; Rob-bink & Atkins, second.

SECTION B.

Bulbous Classes.

Bulbs in bloom, collection consisting of hyacinths, tulips and narcissus, 100 square feet—Anton Schultheis, first.

H. F. Michel Company's Silver Medal, to be awarded as an additional prize, for the group of lilies winning first prize, as per regular schedule—Anton Schultheis, first.

Lilies, 50 square feet; other foliage plants may be introduced—Hinode Flower Co., White-stone, N. Y., first; Anton Schultheis, second.

Easter lilies in bloom, 100 pots, any and all varieties known as Easter lilies—Anton Schul-theis, first.

Narcissus, twenty 10-inch pans, six or more varieties, double and single, for effect, to cover 150 square feet—Anton Schultheis, first.

Tulips, ten 10-inch pans, single tulips, five varieties, exclusive of Darwin—Anton Schul-theis, first.

Tulips, twenty 10-inch pans, double tulips, ten varieties—Anton Schultheis, first.

Tulips, ten 10-inch pans, double tulips, five varieties—Anton Schultheis, first.

Bulbous plant in flower, specimen, other than above—Warnaar & Co., Sassenheim, Holland, first.

Miscellaneous bulbs, collection, which may also include any of the above varieties, ar-ranged—Anton Schultheis, first.

SECTION C.

Ferns and Selaginellas.

Adiantum Farleyense, specimen plant—Mrs. D. Willis James, (Wm. Duckham, supt.), first; A. N. Pierson, Cromwell, Conn., second.

Adiantum Cuneatum, specimen plant, any variety—Wm. B. Thomson, per R. C. L., first.

Cibotium Schiedei, specimen plant—C. B. Newbold, (C. J. Batchelor, gr.), first; W. A. Manda, second.

Davallia, specimen plant, any variety—W. A. Manda, first.

Ferns, stove and greenhouse plants, distinct, twelve plants—W. A. Manda, first.

Ferns, stove and greenhouse plants, distinct, six plants—W. A. Manda, first.

Nephrolepis Bostoniensis, specimen plant—Howard Gould, (W. W. Vert, gr.), first; Frank N. Eskesen, Madison, N. J., second.



PATTEN & CO.'S PRINCESS DAGMAR CARNATIONS AT THE CHICAGO SHOW.

Amaryllis, thirty-six plants, not less than eighteen varieties—Mrs. D. Willis James, (Wm. Duckham, supt.), first; Howard Gould, (W. W. Vert, gr.), Point Washington, second.

Amaryllis, twelve plants, not less than nine varieties—Mrs. B. Willis James, (Wm. Duckham, supt.), first.

Anthurium, specimen plant—W. A. Manda, So. Orange, N. J., first.

Azalea Indica, 100 square feet—No first prize; W. W. Edgar Co., Waverly, Mass., second.

Azalea Indica, specimen plant, pink or rose, not less than four feet in diameter—Mrs. H. McK. Twombly, (R. Tyson, gr.), Convent, N. J., first.

Azalea Indica, specimen plant, white, not less than four feet in diameter—C. B. Newbold, (S. J. Batchelor, gr.), Jenkintown, N. J., first; Mrs. H. McK. Twombly, (R. Tyson, gr.), second.

Azalea Indica, specimen plant, any other color, not less than four feet in diameter—C. B. Newbold, (S. J. Batchelor, gr.), first; Mrs. H. McK. Twombly, (R. Tyson, gr.), second.

Azalea mollis, twelve plants, not less than four colors—Francis Skinner, (R. G. Chamberlain, gr.), Dedham, Mass., second.

Azalea Pontica or rustica, twelve plants, not less than four colors—No award.

Begonias, six plants, flowering—Henry Siegel, (Thos. Aitchison, gr.), Mamaroneck, N. Y., first.

Bougainvillea, specimen plant—Thomas Roland, first.

Chorizema, specimen plant—Mrs. F. A. Constable, (J. Stuart, gr.), first.

Clerodendron, specimen plant—F. R. Pierson Co., Tarrytown, N. Y., second.

Chrysanthemum, "Glory of Seven Oaks," one plant, 8-inch pot or pan—H. Darlington, (P. W. Popp, gr.), Mamaroneck, N. Y., second.

Cineraria (large-flowering type), collection, 50 square feet—No entry.

Cineraria, stellata type, collection, 50 square feet—Wm. B. Thompson, per R. L. C., 1016 N. Broadway, Yonkers, N. Y., second.

Cyclamen, 50 square feet—Thomas Roland, first; Mrs. F. A. Constable, (J. Stuart, gr.), second.

Cyclamen, twenty-four plants, commercial only—R. & J. Farquhar & Co., Boston, Mass., first.

Cyclamen, twelve plants—C. B. Newbold, (J. J. Batchelor, gr.), first.

Cyclamen, six plants—Mrs. D. Willis James, (Wm. Duckham, supt.), first; J. H. Ottley, (Jas. MacDonald, gr.), Glen Cove, N. Y., second.

Ericas, six or more varieties, 50 square feet—Louis Dupuy, Whitestone, L. I., first; Thomas Roland, second.

Erica melanthera, six plants, commercial only—Louis Dupuy, first.

Flowering and foliage, stove and greenhouse plants, arranged for effect, 200 square feet—Julius Roehr Co., Rutherford, N. J., first.

Forced shrubs, herbaceous plants; trees and vines permissible, arranged for effect, 200 square feet—Robbink & Atkins, Rutherford, N. J., first; W. A. Manda, second.

Gardenia, specimen plant—John T. Pratt, (J. W. Everett, gr.), Glen Cove, N. Y., first; Louis Dupuy, second.

Genista, specimen plant, not less than four feet high—W. W. Edgar Co., Waverly, Mass., first; Louis Dupuy, second.

Robbink & Atkins, second; Anton Schultheis, third.

Hydrangea, specimen plant, not less than three feet in diameter—John W. Pepper, Esq., (W. Robertson, gr.), Jenkintown, Pa., first; Robbink & Atkins, second; Anton Schultheis, third.

Imantophyllum, one plant in flower—Mrs. H. McK. Twombly, (R. Tyson, gr.), first; C. B. Newbold, Esq., (S. J. Batchelor, gr.), second.

Lilacs, twelve plants, not less than three varieties—W. A. Manda, second.

Marguerite, specimen plant—Madsen & Christensen, Wood Ridge, N. J., first; Mrs. Oliver Hoyt, (J. Foster, gr.), Stamford, Conn., second.

Pansies, twenty-five plants in variety—Wm. Sim, Cliftondale, Mass., first.

Bed of pansies, assorted colors, six feet across—Wm. Sim, Cliftondale, Mass., first; A.



THE GEO. WITTBOLD CO.'S FIRST PRIZE VASE KILLARNEY ROSES AT THE CHICAGO FLOWER SHOW.



A. F. AMLING'S IMPROVED BLANCHE FERRY SWEET PEAS AT THE CHICAGO SHOW.

Nephrolepis, any other variety, specimen plant—F. R. Pierson Co., first; W. A. Manda, second.

Collection of Nephrolepis in variety, one of each, not to exceed eight-inch pots—F. R. Pierson Co.

Stag's Horn Fern, six plants, in variety—W. A. Manda, first.

Stag's Horn Fern, specimen plant—John W. Pepper, (Wm. Robertson, gr.), first; R. Delafield, (Wm. Brock, gr.), Tuxedo Park, N. Y., second.

Selaginellas, or Lycopodiums, six plants, in variety—W. A. Manda, first.

Selaginella, or Lycopodium, specimen plant—Benj. Stern, Esq., (W. D. Robertson, gr.), Roslyn, L. I., first.

Tree Fern, specimen plant—Julius Roehrs Co., first; W. A. Manda, second.

Fern, specimen plant, any other variety—J. W. Pepper, (Wm. Robertson, gr.), first; R. W. Delafield, (Wm. Brock, gr.), second.

SECTION D.

Orchids.

Orchids in flower, 100 square feet; no other foliage or flowering plants permitted—Julius Roehrs, first; James Goodier, 333 W. State St., Trenton, N. J., second.

Orchids, twenty-five specimen plants in variety, staged with palms and ferns—W. A. Manda, second.

Orchids, twelve plants, distinct varieties—Anton Schultheis, first; W. A. Manda, second.

Orchids, six plants, distinct varieties—Clement Moore, first.

Brasso-Cattleya, one plant—Clement Moore, (J. Mossman, gr.), first; Lager & Hurrell, Summit, N. J., second.

Orchid, specimen plant, any variety—Sir Jere Colman, Galton Park, England, first; W. A. Manda, second.

Cattleya Mossiae, specimen plant—Lager & Hurrell, first; W. A. Manda, second.

Cattleya Schroederiae, specimen plant—Mrs. F. B. VanVorst, (A. Anderson, gr.), Hackensack, N. J., first; W. A. Manda, second.

Cypripediums, six plants, six varieties—Lament Moore, (John Mossman, gr.), Hackensack, N. J., first; W. A. Manda, second.

Cypripedium, specimen plant—W. A. Manda, second.

Dendrobium, twenty plants, not less than six varieties—W. A. Manda, first.

Dendrobium nobile, specimen plant—Sidney M. & Austin Colgate, (Wm. Reid, gr.), Orange, N. J., first; W. A. Manda, second; Lager & Hurrell, third.

Dendrobium Wardianum, specimen plant—W. A. Manda, first.

Dendrobium, specimen plant, any other variety—Julius Roehrs Co., first; W. A. Manda, second.

Hybrid Orchid, raised in America, specimen plant, any variety—James Goodier, first; W. A. Manda, second.

Laelio-Cattleya, one plant—W. A. Manda, first; Lager & Hurrell, second.

Miltonia vexillaria, specimen plant—Lager & Hurrell, second.

Dendrobium thyrsiflorum, specimen plant—Lager & Hurrell, second.

Any other Bigeneric Hybrid—W. A. Manda, first; Lager & Hurrell, second.

Odontoglossum, specimen plant, any variety—Julius Roehrs Co., first; Sir Jere Colman, second.

Oncidium, specimen plant, any variety—W. A. Manda, first.

Phalaenopsis, specimen plant, any variety—W. A. Manda, second.

Vanda, specimen plant, any variety—Lager & Hurrell, first; W. A. Manda, second.

Specimen, any other orchid in flower, other than above—Lager & Hurrell, first; Clement Moore, (J. Mossman, gr.), second.

SECTION E.

Palms and Foliage Plants.

Areca, Lutescens, two plants—Metairie Ridge Nursery Co., New Orleans, La., first.

Areca, Lutescens, specimen plant—Mrs. F. A. Constable, (J. Stuart, gr.), first; Metairie Ridge Nursery Co., second.

Bay Trees, two plants, pyramidal—Bobbink & Atkins, first; Julius Roehrs Co., second.

Bay Trees, two plants, standard—Mrs. H. McK. Twombly, (R. Tyson, gr.), first; Julius Roehrs Co., second.

Bay Trees, two plants, columnar—Julius Roehrs Co., first.

Box Trees, two plants, pyramidal—W. A. Manda, first; Bobbink & Atkins, second.

Box Trees, two plants, standard—W. A. Manda, first; Bobbink & Atkins, second.

Box Trees, two plants, bush—Bobbink & Atkins, first; Julius Roehrs Co., second.

Box Trees, six trained plants—Bobbink & Atkins, first; W. A. Manda, second.

Cacti and other succulent plants, in variety, 50 square feet—W. A. Manda, second.

Cocos plumosus, specimen plant—W. A. Manda, second.

Crotons, collection, 100 square feet—No award.

Crotons, eighteen plants in twelve varieties, not over 8-inch pots—Robert Craig Co., Philadelphia, Pa., first.

Crotons, six plants in six varieties—Robert Craig Co., first.

Croton, specimen plant—W. A. Manda, second.

Cycad, specimen plant—W. A. Manda, second.

Dracena, 100 square feet—John Wanamaker, (J. H. Dodds, supt.), first; W. A. Manda, second.

Dracena, twelve plants, six or more varieties—Robert Craig Co., first; W. A. Manda, second.

Dracena, specimen plant, red—John Wanamaker, (J. H. Dodds, supt.), first; W. A. Manda, second.

Dracena, specimen plant, green—John Wanamaker, (J. H. Dodds, supt.), first; Adolph Lewisohn, (J. Canning, gr.), Ardsley, N. Y., second.

Dracena, specimen plant, any other color—John W. Pepper, (Wm. Robertson, gr.), first; Adolph Lewisohn, (J. Canning, gr.), second.

Alcasias and Aroids, 50 square feet—W. A. Manda, first.

Botanic, economic and medicinal plants, 50 square feet—W. A. Manda, second.

Ficus elastica variegata, specimen plant—W. A. Manda, second.

Ficus pandurata, specimen plant—Mrs. F. A. Constable, (J. Stuart, gr.), first; Julius Roehrs Co., second.

Kentia Belmoreana, two plants—W. A. Manda, first; Bobbink & Atkins, second.

Kentia Belmoreana, specimen plant—Mrs. H. McK. Twombly, (R. Tyson, gr.), first; W. A. Manda, second.

Kentia Forsteriana, specimen plant—Mrs. F. A. Constable, (J. Stuart, gr.), first; W. A. Manda, second.

Phoenix Roebelenii, two plants—John Wanamaker, (J. H. Dodds, supt.), first; Wm. B. Thompson, per R. L. C., second.

Phoenix rupicola, specimen plant—W. A. Manda, first.

Palms and Cycads, 200 square feet—W. A. Manda, first.

Palms, other than above, twelve plants, twelve varieties—W. A. Manda, first; Bobbink & Atkins, second.

Palms, six plants, stove or greenhouse, distinct—John Wanamaker, (J. H. Dodds, supt.), first; W. A. Manda, second.

Palm, specimen plant, other than above—W. A. Manda, first; John Wanamaker, (J. H. Dodds, supt.), second.

Stove and greenhouse plants, distinct, six plants—W. A. Manda, first; John Wanamaker, (J. H. Dodds, supt.), second.

Stove and greenhouse plants, distinct, three plants, climbing—John Wanamaker, (J. H. Dodds, supt.), first; W. A. Manda, second.

SECTION F.

Miscellaneous Plants.

Asparagus, one plant, any variety—W. A. Manda, first.

Bambusa, one plant—W. A. Manda, first.

Conifers, twenty-five plants, dwarf or flat growing, twenty-five varieties—No award.

Conifers, three plants, three varieties—F. R. Pierson, first; Bobbink & Atkins, second.

Conifers, two plants—F. R. Pierson, first; W. A. Manda, second.
 Dieffenbachia, one plant—John Wanamaker, (J. H. Dodds, supt.), first.
 Holly, one plant—Bobbink & Atkins, first.

SECTION G.

New Plants Not in Commerce.

Anthurium, flowering—W. A. Manda, second.
 Conifer, hardy—W. A. Manda, first.
 Cycad, species—W. A. Manda, first.
 Dracena—W. A. Manda, first; Julius Roebers Co., second.

Hydrangeas, six plants, not less than two varieties—Wm. Ziegler, Jr., (A. Bieschke, gr.), Norton, Conn., first.

Imantophyllum in flower, three plants—C. B. Newbold, (S. J. Batchelor, gr.), first; Benj. Stern, (W. D. Robertson, gr.), Roslyn, L. I., second.

Hydrangeas, New French, collection not less than six varieties; varieties that were introduced in 1909 or since then—Wm. Ziegler, Jr., (A. Bieschke, gr.), first; John Wanamaker, (John H. Dodds, supt.), second.

Lilacs, twelve plants in bloom, not less than

Schizanthus, specimen plant—C. K. G. Billings, (J. Bell, gr.), first.

Sanseria Zeylanica, two specimen plants—Geo. E. Baker, first; Wm. Ziegler, Jr., (A. Bieschke, gr.), second.

Spiraea Astilbe, six plants—C. B. Newbold, (S. J. Batchelor, gr.), first; Saml. Untermyer, (W. H. Waite, supt.), second.

Stove and greenhouse foliage plants, six distinct; exclusive of palms, not less than 8-inch pots or pans—Mrs. D. Willis James, (Wm. Duckham, gr.), first; John Wanamaker, (Jno. H. Dodds, supt.), second.

Stove and greenhouse, foliage plants, distinct, three plants, exclusive of palms, not less than 8-inch pots or pans—Saml. Untermyer, (W. H. Waite, supt.), first.

Stove or greenhouse foliage plant, specimen plant—Geo. F. Baker, first.

Flowering plant, stove or greenhouse, any variety, specimen plant—J. T. Pratt, (J. W. Everett, gr.), first; Saml. Untermyer, (W. H. Waite, gr.), second.

Stove plants, twelve distinct varieties, exclusive of palms, not more than 8-inch pots—Mrs. D. Willis James, (Wm. Duckham, gr.), first.

Wistaria, two plants—C. B. Newbold, (S. J. Batchelor, gr.), first.

SECTION I.

Ferus.

Adiantum Farleyense, specimen plant—Mrs. H. McK. Twombly, (R. Tyson, gr.), first.

Adiantum Farleyense "Ruhm von Mordrecht" (the new Farleyense or Glory Fern), one plant—John W. Pepper, (Wm. Robertson, gr.), first.

Adiantum, any other specimen—W. B. Thompson, second.

Cyrtium falcatum, Rochfordianum, one plant—John W. Pepper, (Wm. Robertson, gr.), first.

Davallia, specimen, any variety—Wm. Thatcher, Warren St., Brookline, Mass., first.

Stag's Horn Fern, three plants—Wm. Ziegler, Jr., (A. Bieschke, gr.), first; Jas. Goodier, second.

SECTION J.

Flowering Plants—Bulbs.

Bulbs, two pots or pans, any variety. Members Paterson Floricultural Society only—Mrs. A. M. Booth, (E. Fardel, gr.), Great Neck, L. I., first.

Hyacinths, eight 10-inch pans, distinct varieties. Open to members N. A. G. only—R. Hughes, (J. A. Macdonald, gr.), Flushing, L. I., first; Mrs. A. M. Booth, (E. Fardel, gr.), second.

Hyacinths, three 10-inch pans, white—Mrs. A. M. Booth, (E. Fardel, gr.), first; J. T. Pratt, (J. W. Everett, gr.), second.

Hyacinths, three 10-inch pans, pink or red—Mrs. A. M. Booth, (E. Fardel, gr.), first; J. T. Pratt, (J. W. Everett, gr.), second.

Hyacinths, three 10-inch pans, light blue—R. Hughes, (J. A. Macdonald, gr.), first; J. T. Pratt, (J. W. Everett, gr.), second.

Hyacinths, three 10-inch pans, dark blue—J. T. Pratt, (J. W. Everett, gr.), first; Mrs. S. M. Booth, (E. Fardel, gr.), second.

Lilies, six pots; winner selection of bulbs—C. K. G. Billings, (J. Bell, gr.), first.

Narcissus, "Glory of Leiden," three 10-inch pans—R. Hughes, (Jas. A. Macdonald, gr.), first.

Narcissus, Bicolor or Victoria, three 10-inch pans—J. T. Pratt, (J. W. Everett, gr.), first.

Narcissus, Empress, three 10-inch pans—R. Hughes, (Jas. A. Macdonald, gr.), second.



WIETERBROS. WHITE PERFECTION CARNATIONS AT THE CHICAGO SHOW.

Foliage plant, variety—W. A. Manda, second.
 Fern, species—W. A. Manda, first.
 Fern, variety—W. A. Manda, first; John W. Pepper, Esq., (William Robertson, gr.), second.

Palm, specimen plant—W. A. Manda, first.
 Shrub, hardy—W. A. Manda, first.

Most reliable economic plant. This may be a new fruit, new vegetable or other plant, which has a distinct economic value—No award.

Most valuable new foliage plant—No award.

Most valuable new flowering plant—Adolph Lewisohn, (J. Canning, gr.), first.

SECTION H.

Plants—Miscellaneous.

Allamanda, specimen plant, any variety—No award.

Amaryllis, twenty-five plants in variety—Howard Gould, (W. W. Vert, gr.), first.

Amaryllis, six plants, not less than three varieties—Howard Gould, (W. W. Vert, gr.), first; Mrs. D. Willis James, (Wm. Duckham, gr.), second.

Anthurium, specimen plant in spathe—John W. Pepper, (Wm. Robertson, gr.), first.

Azalea Indica, three plants in variety, not less than 2½ feet in diameter—Saml. Untermyer, (W. H. Waite, supt.), Yonkers, N. Y., first.

Azalea Indica, specimen, any color, not less than 3½ feet in diameter—C. B. Newbold, (S. W. Batchelor, gr.), first.

Begonias, six plants in flower—W. D. Thompson, 1061 E. Broadway, Yonkers, N. Y., first.

Calceolaria, covering table 5x10 feet—Percy Chubb, (Alex Mackenzie, gr.), first.

Cineraria stellata, six plants—C. B. Newbold, (S. J. Batchelor, gr.), first; W. B. Thompson, second.

Cineraria stellata, specimen plant—Percy Chubb, (Alex Mackenzie, gr.), first.

Cyclamen, twenty-five plants—J. J. Abirgith, (Chas. Sandeford, gr.), Buffalo, N. Y., first; Percy Chubb, (Alex Mackenzie, gr.), second.

Cyclamen, twelve plants—C. B. Newbold, (S. J. Batchelor, gr.), first.

Crotons, twenty-five plants, not less than twelve varieties, not more than 8-inch pots—Mrs. D. Willis James, (Wm. Duckham, gr.), first.

Crotons, eighteen plants, not over 8-inch pots—F. V. Burton, (Wm. Cordes, gr.), Newburgh, N. Y., first.

Crotons, six plants, not less than 8-inch pots or tubs—F. V. Burton, first.

Dracena Sanderiana, specimen plant—Mrs. D. Willis James, (Wm. Duckham, gr.), first; John Wanamaker, (J. H. Dodds, gr.), second.

Dwarf Evergreens, collection in pots or tubs, 100 square feet, American grown only—Mrs. A. A. Anderson, (Robt. Williamson, gr.), Greenwich, Conn., first.

Genista, specimen plant—No award.

Gloxinias, covering table 5x10 feet, arranged for effect—W. B. Thompson, first.

four varieties—Mrs. D. Willis James, (Wm. Duckham, gr.), first; H. Darlington, (P. W. Popp, gr.), second.

Primula Kewensis, twelve plants—Percy Chubb, (Alex Mackenzie, gr.), first.

Palms, specimen, two plants—Geo. F. Baker, Tuxedo Park, N. Y., first.

Palm, specimen plant—Wm. Ziegler, Jr., (A. Bieschke, gr.), first; Geo. F. Baker, second.

Palms, twelve plants, twelve distinct varieties, not less than 8-inch pots, not more than 12-inch—Mrs. D. Willis James, (Wm. Duckham, gr.), first.

Roses in pots, display, 100 square feet—Saml. Untermyer, (Wm. H. Waite, supt.), first; Mrs. D. Willis James, (Wm. Duckham, gr.), second.

Schizanthus, six plants—C. K. G. Billings, (J. Bell, gr.), W. 196th St., New York City, first; Percy Chubb, (Alex Mackenzie, gr.), second.



BRUN'S PRIZE LILY OF THE VALLEY AND LILACS AT THE CHICAGO SHOW.



PAPWORTH'S CREOLE LILIES AT THE CHICAGO SHOW.

Narcissus, Emperor, three 10-inch pans—J. T. Pratt, (J. W. Everett, gr.), first.
Narcissus, "Golden Spur," three 10-inch pans—No award.
Narcissus, Double Von Stou, three 10-inch pans—Benj. Stern, (W. D. Robertson, gr.), first.

Tulips, Early Spring, eight 10-inch pans, distinct varieties—Mrs. A. M. Booth, (E. Fardel, gr.), first; J. T. Pratt, (J. W. Everett, gr.), second.

Tulips, Darwin, twelve 10-inch pans, twelve varieties—R. Hughes, (Jas. Macdonald, gr.), first.

Miscellaneous bulbs, collection, fifty plants—Saml. Untermyer, (W. H. Waite, supt.), first.

SECTION K.

Flowering Plants—Orchids.

Orchids, twelve plants, not less than twelve varieties, Cypripediums and Hybrids excluded—Clement Moore, (J. Mossman, gr.), first.

Orchids, three plants, three distinct varieties—Mrs. F. B. VanVorst, (A. Anderson, gr.), first; Samuel Untermyer, (W. H. Waite, supt.), second.

SECTION L.

Roses in Pots and Tubs.

Display in pots or tubs, any or all classes to occupy 300 square feet, arranged for effect—Anton Schultheis, first; H. C. Steinhoff & Co., West Hoboken, N. J., second.

Six climbing or rambling, three or more varieties—Herman C. Steinhoff, third.

Dorothy Perkins, specimen plant—Louis Dupuy, second.

Hiawatha, specimen plant—Louis Dupuy, second.

Climbing, any other variety, specimen—John W. Pepper, (Wm. Robertson, gr.), first.

Hybrid Perpetual, specimen—H. C. Steinhoff, first; Louis Dupuy, second.

Polyantha, pink, six plants—Louis Dupuy, first; H. C. Steinhoff, second.

Polyantha, white, six plants—Louis Dupuy, first.

Polyantha, any other color, three plants—H. C. Steinhoff, second; Louis Dupuy, third.

Collection Hybrid Perpetuals, twenty-five plants, not less than six varieties, arranged for effect—H. C. Steinhoff, first.

Rose "Silver Moon," in 8-inch pot or tub or larger—Percy Chubb, first.

Rose "Dr. W. Van Fleet," in 8-inch pot or tub or larger—Percy Chubb, first.

Killarney—J. Wanamaker, first.

Double Pink Killarney—J. Wanamaker, first.

White Killarney—J. Wanamaker, first.

My Maryland—John Wanamaker, first.

Any other disseminated variety—F. W. Vanderbilt, first.

Vase 25 cut blooms roses, any one variety except American Beauty—F. W. Vanderbilt, first; J. Wanamaker, second.

SECTION Q.

Cut Flower Section.

Display and collection of cut orchids, each species or variety filling one vase, arranged for effect. Cut greens of any variety permissible in arranging of same—W. A. Manda, first.

Flowering stem of Cattleya, any variety—

Samuel Untermyer, (W. H. Waite, supt.), first; W. A. Manda, second.

Flowering stem of Lachia, any variety—Benj. Stern, (W. D. Robertson, gr.), first.

Flowering stem of Lachia-Cattleya or Hybrid Cattleya—W. A. Manda, first.

Calanthe, six stems, any variety—W. A. Manda, second.

Flowering stem Dendrobium, any variety—W. A. Manda, second.

Flowering spray Odontoglossum, any variety—W. A. Manda, second.

Flowering spray, Oncidium, any variety—W. A. Manda, first.

Flowering spray Phalenopsis, any variety—W. A. Manda, second.

Flowering spray Vanda, any variety—W. A. Manda, second.

Flowering spray of any Orchid, other than above—W. A. Manda, first.

MISCELLANEOUS.

Vase Anthuriums, with foliage—W. A. Manda, first.

Antirrhinum, 12 white spikes—Percy Chubb, first.

Antirrhinum, 12 yellow spikes—Percy Chubb, (Alex Mackenzie, gr.), first.

Antirrhinum, 12 red spikes—Percy Chubb, (Alex Mackenzie, gr.), first; Wynhurst Gardens (no award).

Antirrhinum, 12 pink spikes—Geo. E. Bufton, Nashua, N. H., first; P. Bimbrauer, Oak Lane, Philadelphia, Pa., second.

Pansies, 100 flowers—Wm. Sim, first; J. Darlington, (P. W. Popp, gr.), second.

Violets, 100 flowers, single—Howard Gould, (W. W. Vert, gr.), second.

SECTION L.

Roses—Cut Flowers.

Fifty Killarney—Waban Rose Conservatories, Natick, Mass., first; Jos. Heacock Co., second.

Fifty Double White Killarney (any strain)—A. N. Pierson, Inc., first; Bedford Floral Co., second.

Fifty Richmond—Jos. Heacock Co., first; Poehlman Bros. Co., second.

Fifty Sunburst—Myers and Samtman, Chestnut Hill, Pa., first.

One hundred American Beauty—Poehlman Bros. Co., first; Henry Hentz, Madison, N. J., second; Louis A. Noe, Madison, N. J., third.

Fifty American Beauty—Poehlman Bros. Co., first; H. Heinz, Jr., Madison, N. J., second; Myers & Samtman, third.

Fifty Dark Pink Killarney—A. N. Pierson, Inc., first; Jos. Stevenson's Sons, Oak Lane, Pa., second.

Fifty Double Pink Killarney—A. N. Pierson, Inc., first; John Stevenson's Sons, second.

Fifty White Killarney—Waban Rose Conservatories, first; A. N. Pierson, Inc., second.

Fifty Killarney Queen—A. N. Pierson, Inc., first; P. R. Pierson, second.

Fifty Radiance—John Stevenson's Sons, first; Gude Bros., Washington, D. C., second.

Fifty Lady Hillingdon—A. N. Pierson, Inc., first; Edward Towell, Roslyn, Pa., second.

Fifty Mrs. Aaron Ward—A. N. Pierson, first; Poehlman Bros. Co., second.

Fifty My Maryland—Edward Towell, first; John Walsh Young, Germantown, Pa., second.

Fifty Melody—Robert Scott, Sharon Hill, Pa., first; Poehlman Bros. Co., second.

Fifty Mrs. Taft—Poehlman Bros. Co., first; Bedford Floral Co., Bedford Hills, N. Y., second.

Fifty any other disseminated variety white—Louis A. Noe, first; P. H. Kramer, Washington, D. C., second.

Fifty any other disseminated variety pink—P. H. Kramer, first; W. H. Elliott, Brighton, Mass., second.

Twenty-five American Beauty—Myers & Samtman, first; Louis A. Noe, second; Jefferson, Doremus, Madison, N. J., third.

Twenty-five Killarney—A. N. Pierson, Inc., first; John N. Andre, Roslyn, Pa., second.

Twenty-five Double Pink Killarney—A. N. Pierson, Inc., first; Myers & Samtman, second.

Twenty-five White Killarney—Joseph Heacock Co., first; A. N. Pierson, Inc., second.

Twenty-five Killarney Queen—A. N. Pierson, Inc., first; Bedford Floral Co., second.

Twenty-five Richmond—Poehlman Bros. Co., first; L. B. Coddington, Murray Hill, N. J., second.

Twenty-five Radiance—J. Stevenson's Sons, first; L. B. Coddington, second.

Twenty-five Lady Hillingdon—F. R. Pierson & Co., first; L. B. Coddington, second.

Twenty-five Mrs. Aaron Ward—A. N. Pierson, Inc., first; Poehlman Bros. Co., second.

Twenty-five My Maryland—John Walsh Young, first; Jefferson Doremus, second.

Twenty-five Melody—R. Scott & Son, Sharon Hill, Pa., first.

Twenty-five Mrs. Taft—Poehlman Bros. Co., first; Bedford Floral Co., second.

Twenty-five Bride—Louis A. Noe, first; F. H. Kramer, second.

Twenty-five Bon Silene—Harry O. May, Madison, N. J., first.

Twenty-five any other disseminated variety, red—Gutman Floral Co., New York, first.

Twenty-five any other disseminated variety, white—Brant-Hentz Flower Co., Madison, N. J., first.

Twenty-five any other disseminated variety, pink—Robert Simpson, Clifton, N. J., first; Myers & Samtman, second.

Fifty blooms, any new rose, not in commerce—Waban Rose Conservatories, first.

Twenty-five blooms, Sunburst—Myers & Samtman, first; H. O. May, second; A. Faranwald, Roslyn, Pa., third.

Twenty-five blooms, pink forcing rose, not yet disseminated, either of domestic or foreign origin—Waban Rose Conservatories, first.

Twenty-five blooms, red forcing Rose, not yet disseminated, either of domestic or foreign origin—A. N. Pierson, Inc., first.

Corsage Bouquet Roses—S. A. Anderson, Buffalo, N. Y., first; Alfred T. Bunyard, New York City, second.

Bridal bouquet—Max Schling, first; Alfred T. Bunyard, second.

Basket roses—S. A. Anderson, first; A. T. Bunyard, second.

Table decoration—A. T. Bunyard, first; Max Schling, second.

Mantel decoration—A. T. Bunyard, first; Max Schling, second.

SECTION M.

Cut Carnations.

Best vase 100 blooms, white—Cottage Garden Co., first; E. A. Stroud, Strafford, Pa., second.
Best vase 100 blooms, flesh pink—F. R. Adams, Bluepoint, L. I., first; E. A. Stroud, third.

Mortimer L. Fish, first; Wm. Duckham, second.
Best vase 100 blooms—Cottage Gardens Co., first, gold medal; Albert Roper, Tewksbury, Mass., second, silver medal; M. A. Patten & Co., third, bronze medal.
Best vase 100 blooms any undisminated variety—Cottage Gardens Co., Matchless, first, gold medal; Peter Fisher, Ellis, Mass., George

Collection pansies, plants and cut flowers—Wm. Sim, Cliftondale, Mass., gold medal.
Gardenias in pots—J. T. Prass, (J. W. Ewart, gr.), silver medal.
Dutch garden—Peter Henderson & Co., gold medal.
Collection of plants—Thomas Roland, Society of American Florists gold medal, subject to approval of society.
Most valuable new foliage plant, Missouri Botanical Gardens prize—John Waramaker, first.

Visitors.

The following were noted among the visitors during the opening day:

F. B. Abrams, Blue Point, N. Y.
M. Albright, Philadelphia, Pa.
Mrs. M. Albright, Philadelphia, Pa.
G. Amlyn, New Haven, Conn.
H. J. Anderson, Cromwell, Conn.
Geo. Asmus, Chicago.
Thomas Ball, Fairfield, Conn.
Geo. Ballam, Chestnut Hill, Pa.
Joseph Barndtson, Lawrence, Mass.
S. G. Barnes, Pittsfield, Mass.
F. C. Bartels, Cleveland, O.
Herman A. Bartels, Waverly, Mass.
H. E. Bates, Rochester, N. Y.
A. F. J. Baur, Indianapolis, Ind.
Otto Bauer, Washington, D. C.
H. Bayersdorfer, Philadelphia, Pa.
Sidney Bayersdorfer, Philadelphia, Pa.
R. F. Beers, Cromwell, Conn.
Jos. Bennett, Lachine, Quebec, Canada.
I. Bertermann, Indianapolis, Ind.
Fred Breitmeyer, Mt. Clemens, Mich.
Philip Breitmeyer, Detroit, Mich.
Mrs. P. Breitmeyer, Detroit, Mich.
Southwick C. Briggs, Washington, D. C.
Arthur Brooks, Hastings, N. Y.
Matthew Brophy, New Canaan, Conn.
Fred Burki, Pittsburg, Pa.
A. S. Burns, Jr., Spring Valley, N. Y.
Robert Burrows, Montreal, Can.
Alfred Burton, Philadelphia, Pa.
Wm. E. Cahill, Boston, Mass.
Robt. Cameron, Boston, Mass.
Alex. Canning, Jr., Hartford, Conn.
O. H. Carlson, Minneapolis, Minn.
A. Cebolina, Hartford, Conn.
Miss Aleda Chandler, Berlin, N. Y.
Miss Bessie Chandler, Berlin, N. Y.
Andrew Christensen, Stoneham, Mass.
Henry Cliffe, Bridgeport, Conn.
J. D. Cockcroft, Northport, N. Y.
Ernest A. Coe, Greenwich, Conn.
F. E. Conine, Stratford, Conn.
John Conner, Hartford, Conn.
W. G. Conner, Berlin, N. Y.
John Conrow, Hamilton, Ont.
Geo. H. Cook, Washington, D. C.
Lawrence Cotter, Jamestown, N. Y.
Arthur Cowee, Berlin, N. Y.
Prof. J. F. Cowell, Buffalo, N. Y.
Thos. Coyger, Melrose, Mass.
Geo. Craig, Philadelphia, Pa.
Robt. Craig, Philadelphia, Pa.
W. N. Craig, North Easton, Mass.
W. P. Craig, Philadelphia, Pa.
Wm. Currie and wife, Milwaukee, Wis.
F. A. Danker, Albany, N. Y.
P. Demen, Sassenheim, Holland.
W. D. Desmond, Minneapolis, Minn.
H. G. Dilleuth, Toronto, Can.
John H. Dadds, Wyncote, Pa.
Frank J. Dolansky, Lynn, Mass.



POEHLMANN BROS. CO.'S SCARLET GLOW CARNATIONS AT THE CHICAGO SHOW.

Best vase 100 blooms, light pink—Cottage Gardens Co., first, A. A. Pembroke, Beverly, Mass., second.

Best vase 100 blooms, dark pink, darker than Miss C. W. Ward—James D. Cockcroft, Northport, N. Y., second.

Best vase 100 blooms, red or scarlet—Cottage Gardens Co., first; Poehlmann Bros. Co., second; A. S. Burns, Jr., Spring Valley, N. Y., third.

Best vase 100 blooms, crimson—M. A. Patten & Co., first.

Best vase 100 blooms, white variegated—A. A. Pembroke, first; John Burr, South Natick, Mass., second; F. R. Pierson Co., third.

Best vase 100 blooms, mottled or overlaid, to include varieties of the Prosperity type—M. A. Patten & Co., first.

Best vase 100 blooms, any other color—Cottage Gardens Co., first.

Fifty blooms, White Perfection—Cottage Gardens Co., first; S. J. Goddard, Framingham, Mass., second.

Fifty blooms White Enchantress—A. A. Pembroke, first; A. S. Burns, Jr., second; A. N. Pierson, Inc., third.

Fifty blooms White Wonder—United States Cut Flower Co., Elmira, N. Y., first; A. A. Pembroke, second; S. J. Goddard, third.

Fifty blooms any other white—Strout's, Biddeford, Me., first; United States Cut Flower Co., second.

Fifty blooms Enchantress—A. S. Burns, Jr., first; United States Cut Flower Co., second.

Fifty blooms Pink Delight—S. J. Goddard, first; Strout's, second; A. A. Pembroke, third.

Fifty blooms any other flesh pink—Strout's, first.

Fifty blooms Mrs. C. W. Ward—Cottage Gardens Co., first; A. N. Pierson, Inc., second; Wm. Duckham, third.

Fifty blooms Gloriosa—A. A. Pembroke, first; A. N. Pierson, Inc., second.

Fifty blooms any other light pink—United States Cut Flower Co., first.

Fifty blooms any dark pink—A. A. Pembroke, first; A. N. Pierson, Inc., second; C. B. Dryer, third.

Fifty blooms Beacon—Strout's, first; S. J. Goddard, second; Cottage Gardens Co., third.

Fifty blooms Victory—Henry Weston, Hemstead, N. Y., first.

Fifty blooms Harry Penn—S. J. Goddard, first; W. D. Howard, Milford, Mass., second.

Fifty blooms any white variegated—A. A. Pembroke, first; A. N. Pierson, Inc., second; F. R. Pierson Co., third.

Fifty blooms any mottled or overlaid variety—M. A. Patten Co., first.

Fifty blooms Benora, Peter Fisher prize—A. A. Pembroke, first; Mortimer L. Fish, Oyster Bay, N. Y., second.

Fifty blooms Rosette, F. Dorner & Sons Co. prize—S. J. Goddard, first; A. A. Pembroke, second.

Fifty blooms Comfort, S. M. Merwarth & Bro. prize—S. M. Merwarth & Bro., Easton, Pa., first.

Fifty blooms Wodenethe, C. H. Totty prize—

geous, second, silver gilt medal; M. A. Patten & Co., Princess Dogmar, third, silver medal.

Best vase 100 blooms any undisminated seedling, Peter Fisher, Georgious, first, Fred Dorner, immortal gold medal; M. A. Patten Co., Princess Dagnar, Cottage Gardens Co., Matchless. No certificates of merit awarded.

Best table decoration in which carnations are principal flower used—R. Tyson, first; George H. Cooke, second; A. T. Bunyard, third. Best 100 blooms Comfort, S. M. Merwarth & Bro. prize—Elmer Weaver, Ronks, Pa., first; S. M. Merwarth & Bro., second.

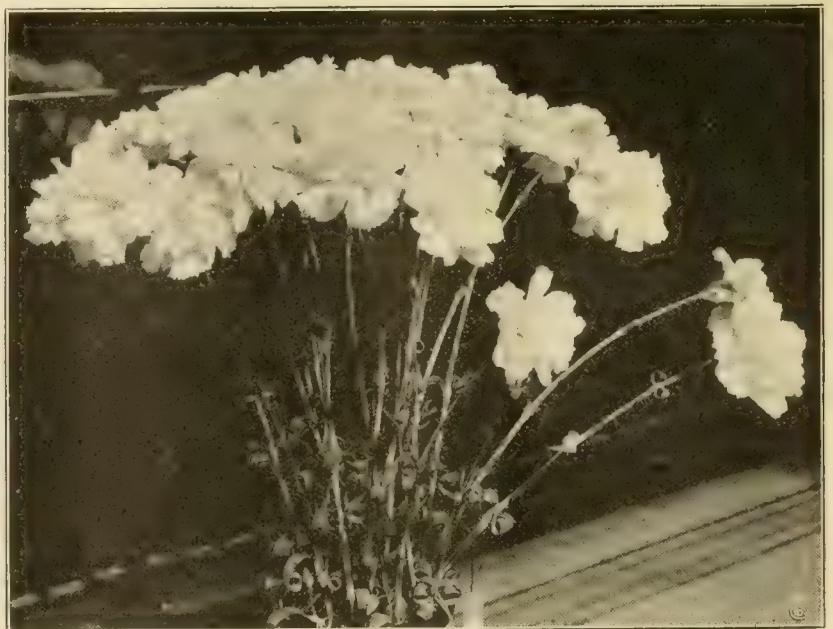
Best 100 blooms Gloriosa, F. Dorner & Sons Co. prize—A. A. Pembroke, first.

Twelve largest carnation blooms, Kroeschell Bros. Co. prize—M. A. Patten Co., first.

Sweepstakes, Hitchings & Co. prize—Cottage Gardens Co., Alma Ward, first.

ADDITIONAL AWARDS.

Assortment of plants, etc.—A. L. Miller, Brooklyn, N. Y., silver medal.



C. C. POLLWORTH CO.'S WHITE SEEDLING CARNATIONS (NO. 11) AT CHICAGO SHOW

F. E. Dörner, Lafayette, Ind.
 Prof. H. B. Dörner, Urbana, Ill.
 E. E. Dunlap, Boston, Mass.
 J. H. Dunlop, Toronto, Canada.
 M. E. Ebel, Madison, N. J.
 W. W. Edgar, Boston, Mass.
 J. D. Elsie, Riverport, N. J.
 E. L. Elliott, Pittsburg, Pa.
 W. H. Elliott, Brighton, Mass.
 O. G. Ernst, Norwich, Conn.
 F. W. Evenden, Convent, N. J.
 Wm. Falconer, Pittsburg, Pa.
 A. Farenwald, Roslyn, Pa.
 J. K. L. M. Farquhar, Boston, Mass.
 Bertrand H. Farr, Reading, Pa.
 Geo. Foulsham, Lenox, Mass.
 Maurice Field, Philadelphia, Pa.
 Duncan Finlayson, Brooklyn, Mass.
 Peter Fisher, Ellis, Mass.
 H. E. Fiske, Boston, Mass.
 J. R. Fotheringham, Tarrytown, N. Y.
 William Fowler, Bryn Mawr, Pa.
 G. L. Freeman, Fall River, Mass.
 E. W. Gaehring, Philadelphia, Pa.
 L. Merton Gage, South Natick, Mass.
 W. W. Gammage, London, Ontario, Can.
 J. L. Gardner, Newport, R. I.
 R. Gardner, Newport, R. I.
 E. Gardner, Jr., Newport, R. I.
 Mrs. J. M. Gasser, Cleveland, O.
 Geo. M. Goharty, Toronto, Canada.
 James Gibson, Yonkers, N. Y.
 S. G. Goddard, Framingham, Mass.
 Adam Graham, Cleveland, O.
 Chas. Grakelaw, Philadelphia, Pa.
 M. Graner, Washington, D. C.
 S. H. Green, Philadelphia, Pa.
 Thos. J. Grey, Boston, Mass.
 D. G. Grillbortzer, Alexandria, Va.
 Robert Grinrod, Lenox, Mass.
 A. Gude, Washington, D. C.
 Mrs. A. Gude, Washington, D. C.
 Wm. F. Gude, Washington, D. C.
 C. F. Guenther, Hamburg, N. Y.
 G. Gurlick, Philadelphia, Pa.
 W. A. Hagenburger, Mentor, O.
 F. Hahman, Philadelphia, Pa.
 Rupert E. Hall, Boston, Mass.
 W. A. Hammond, Watervliet, N. Y.
 Geo. Hampton, Philadelphia, Pa.
 R. F. Harden, Indianapolis, Ind.
 Wm. K. Harris, Philadelphia, Pa.
 Herman A. Hart, Cleveland, O.
 Wm. Hastings, Boston, Mass.
 Wm. Hatch, San Gabriel, Cal.
 John C. Hatcher, Amsterdam, N. Y.
 John S. Hay, Philadelphia, Pa.
 Ernest J. Hayward, Montreal, Can.
 Jos. W. Heacock, Wyncote, Pa.
 James Heard, Newburger, N. Y.
 A. Henderson, Chicago.
 Albert M. Herr, Lancaster, Pa.
 J. J. Hess, Omaha, Neb.
 John F. Hess, Hartford, Conn.
 E. G. Hill, Richmond, Ind.
 Eber Holmes, Montrose, Mass.
 Frank H. Houghton, Boston, Mass.
 H. B. Howard, Chicago, Ill.
 James Hughes, Lawrence, N. Y.
 H. V. Hunkel, Milwaukee, Wis.
 A. Huremann, Lenox, Mass.
 John F. Huss, Hartford, Conn.
 Harry Jones, Glencove, N. Y.
 James E. Jones, Richmond, Ind.
 R. Jenkins, Washington, D. C.
 Robert Johnson, Southboro, Mass.
 J. J. Karins, Philadelphia, Pa.
 Raymond Keits, Indianapolis, Ind.
 J. O. Kemble, Marshalltown, Ia.
 W. E. Kemble, Oskaloosa, Ia.
 G. W. Kerr, Philadelphia, Pa.
 Robert Kift, Philadelphia, Pa.
 Rupert King, Philadelphia, Pa.
 Edward Kirk, Bar Harbor, Me.
 W. H. Kochler, Philadelphia, Pa.
 R. G. Koenig, Elmira, N. Y.
 F. H. Kramer, Washington, D. C.
 Chas. Krueger, Philadelphia, Pa.
 J. W. Keeler, Boston, Mass.
 T. P. Langhans, Pittsburg, Pa.
 R. A. Lathan, Minneapolis, Minn.
 F. Lautenschlager, Chicago.
 Geo. H. Lavelli, Washington, D. C.
 V. A. Leon, Salem, O.
 Samuel F. Lilly, Philadelphia, Pa.
 A. J. Lovelless, Lenox, Mass.
 De Forest Ludwig, Pittsburg, Pa.
 E. C. Ludwig, Pittsburg, Pa.
 Ed. Earl Ludwig, Pittsburg, Pa.
 Harry McCabe, Washington, D. C.
 James McDonald, Great Neck, N. Y.
 Donald McKenzie, Chestnut Hill, Mass.
 W. E. Kissack, Washington, D. C.
 Robert McLennan, Washington, D. C.
 John J. McNeeley, Norwich, Conn.
 Jas. McWilliams, Whitesville, Conn.
 John N. May, Summit, N. J.
 Fred Meinhardt, St. Louis, Mo.
 Miss Meinhardt, St. Louis, Mo.
 Wm. Miller, Lynn, Mass.
 Miss Miller, Lynn, Mass.
 G. W. Millsbaugh, Philadelphia, Pa.
 Alex. Mitchell, Plymouth, Mass.
 Geo. Morrison, Baltimore, Md.
 Frank Myers, Chestnut Hill, Pa.
 John Neidinger, Philadelphia, Pa.
 Gustave Newman, New London, Conn.
 W. C. Nicholson, Framingham, Mass.
 W. L. Nicholson, Framingham, Mass.
 Olaf J. Olson, St. Paul, Minn.
 Peter Olsem, Joliet, Ill.
 R. L. Owen, St. Catharines, Ont., Can.
 Miss Helen F. Palten, Toledo, O.
 Harry Papworth, New Orleans, La.
 M. A. Patten, Tewksbury, Mass.

Sam Pearce, Chicago.
 A. A. Pembroke, Beverly, Mass.
 S. S. Pennock, Philadelphia, Pa.
 Chas. H. Perkins, Newark, N. Y.
 G. C. Perkins, Newark, N. Y.
 John J. Perry, Baltimore, Md.
 Carl Peterson, West Hartford, Conn.
 — Phillips, Washington, D. C.
 E. Allan Pierce, Waltham, Mass.
 A. N. Pierson, Cromwell, Conn.
 F. R. Pierson, Tarrytown, N. Y.
 Wallace R. Pierson, Cromwell, Conn.
 John H. Playdon, Andover, Mass.
 Chas. H. Plumb, Detroit, Mich.
 Albert Pochelon, Detroit, Mich.
 Adolph Poehlmann, Chicago.
 August Poehlmann, Chicago.
 John Pritchard, Bedford Hills, N. Y.
 Robert Lyle, West Grove, Pa.
 A. Rasmussen, New Albany, Ind.
 Mrs. A. Rasmussen, New Albany, Ind.



Wallace R. Pierson.

President-Elect American Rose Society.



Robert Pyle.

Vice-President American Rose Society.

J. A. Rates, Baltimore, Md.
 Carl C. Reek, Bridgeport, Conn.
 A. Rehder, Washington, D. C.
 E. C. Reinman, Pittsburg, Pa.
 Louis J. Reuter, Westerly, R. I.
 Mrs. L. J. Reuter, Westerly, R. I.
 Wm. Robertson, Jenkintown, Pa.
 Geo. Robinson, Montreal, Can.
 H. D. Rohrer, Lancaster, Pa.
 H. K. Rohrer, Lancaster, Pa.
 Albert Roper, Tewksbury, Mass.
 J. Rososky, Philadelphia, Pa.
 W. N. Rudd and wife, Chicago.
 John A. Rupert, Riverport, N. J.

C. E. Scarborough, Washington, D. C.
 R. Schiele, Chicago.
 Wm. R. Scott, Central Valley, N. Y.
 Edwin O. Seldewitz, Baltimore, Md.
 Thomas Shore, Katonah, N. Y.
 Harvey C. Sheaff, Pittsburg, Pa.
 Robert Shock, Philadelphia, Pa.
 John F. Sibson, Reading, Pa.
 Wm. Sim, Cliftondale, Mass.
 S. S. Skidelsky, Philadelphia, Pa.
 Miss Skidelsky, Philadelphia, Pa.
 J. H. Small, Washington, D. C.
 Wm. J. Stewart, Boston, Mass.
 Geo. A. Stroblein, Riverport, N. J.
 Norman Sullivan, Detroit, Mich.
 Geo. Swartz, Philadelphia, Pa.
 Jos. Thomas, Greensburg, Pa.
 J. L. Townes, Baltimore, Md.
 C. H. Twinn, N. Tonawanda, N. Y.
 James Vallance, Lawrence, N. Y.
 D. Vanderloof, Hillegom, Holland.
 Richard Vincent, Whitmarsh, Md.
 Mrs. Richard Vincent, Whitmarsh, Md.
 John Walsh, Philadelphia, Pa.
 Patrick Welch, Boston, Mass.
 W. Wells, London, Eng.
 Wilfred Wheeler, Concord, Mass.
 Geo. J. Whitmore, Chelsea, Mass.
 Geo. B. Wiegand, Indianapolis, Ind.
 James W. Wade, Philadelphia, Pa.
 H. Wilden, Sassenheim, Holland.
 J. J. Williams, Utica, N. Y.
 Jas. Williams, Chestnut Hill, Pa.
 A. H. Wingett, Lenox, Mass.
 Norman F. Winter, Charleston, W. Va.
 Theodore Wirth, Minneapolis, Minn.
 Fred C. Witthuhn, Cleveland, O.
 Anton C. Zvolanek, Lompoc, Cal.

American Rose Society.

The Business Meeting.

The meeting of the American Rose Society was held on Tuesday morning in the Lecture Hall. President Farenwald read his annual address and there followed the reports of the secretary and treasurer. In the election of officers Wallace R. Pierson was made president; R. L. Pyle, vice-president; Secretary Benjamin Hammond and Treasurer H. O. May were re-elected. S. S. Pennock and John Dunlop were elected to the executive committee. The next place of the meeting is to be selected by the officers. The question of a national rose garden at Washington was taken up and a committee appointed to confer with the S. A. F. to push the project. The papers of Eber Holmes on "Commercial Roses" and Alexander Cummings, Jr., on "A Public Rose Garden" were ordered printed in the trade papers. Adjournment followed. The table decorations, mostly with carnations, arranged on Tuesday noon, were very attractive. There were five entries. R. Tyson, gardener to Mrs. M. K. Twombly, received first prize, George R. Cooke, second, and Alfred I. Bunyard, third. S. A. Anderson and the Boston Cut Flower Co. were the other exhibitors.

President Farenwald's Address.

A little over a year ago we met in Detroit, under raw, chilly conditions. Although the weather was so much against us, the American Rose Society can look back to it with only pride. The exhibition was never surpassed in quality and quantity. Our members showed a loyalty and enthusiasm which was highly commendable, to come at such an unfavorable time of the year, and in severe winter weather. It was a great pity that this splendid show was not better patronized by the public.

Our membership is slowly increasing, but not at the rate it should be for such a worthy cause, the advance of the Queen of Flowers, the mainstay of the business, the bread and butter of almost everybody in the trade. Why are so many standing pat, when we need them so badly? Do they think we have reached the high water mark of popularity? I hardly think so. There is lots of room for expansion. So we need you, Mr. Stand Pat. See the hustle and bustle everywhere in our business today, better unite, to come together, to help one another;

that is the spirit of the times. Anybody who shuts his eyes to these conditions and refuses his help is not worth his salt. That's my candid opinion.

Regarding our amateur membership agitation, I want to express myself as against that movement, for various reasons. We are a body of commercial men, specialists. We are not in it for pleasure, though most of us derive pleasure from attending to the Queen of Flowers, but pleasure does not pay our coal bills, so with us the financial side of the question is the primary issue. All this does not interest the amateur, and the history of our society will back me up in what I say. The most of you will remember our early struggles with this amateur problem. It was useless to attract the amateur to a body of professional men. It was a waste of effort in every way; it brought our society down to its knees; only the untiring, loyal work of our commercial members saved it from utter collapse.

Let us take a leaf from this past history, and give it up. Let our efforts be directed to the making of a strong commercial society, so that we are not swayed first one way and then the other, vainly trying to accomplish something we are not able to do, as has so long ago been proved. The public is gradually being educated to the value of roses in home decorations, and the most enthusiastic amateurs will finally start their own societies, with a sprinkling of professional men among them, like the horticultural societies are doing today. Those are the true amateur societies which will grow and prosper, but in my estimation, no commercial body of men can interest the amateur.

Affiliation is the watchword of today. Some little while ago, the present president of the S. A. F., J. K. M. L. Farquhar, said to me, "How can the Rose Society and S. A. F. come into closer touch with each other?" I confess, I don't know that we could get closer. We are an offspring of the S. A. F., doing the work which the S. A. F. is not able to do—specializing in a certain line, the growing of roses for cut flowers. I do not think we have a member who is not a member of the S. A. F. as well. To give up our privileges would mean to give up our society, which would be a detriment to the business. I am sure the American Rose Society would always willingly work in conjunction with the national S. A. F. This vital question of affiliation I have outlined in another article, urging the merging of the florists' clubs' membership into a national society, to increase its membership and its usefulness. But let our Rose Society keep up its own good work, nation wide, as we have been doing, creating and stimulating a love for the Queen of Flowers.

Secretary's Report.

The American Rose Society during the past year has tried an experiment for the purpose of gaining a wider membership among admirers and growers of roses than heretofore enjoyed. This was done by the publication of a "Rose Journal," which has been distributed in a limited way, and sent to societies of one sort or other all over the country. Much favorable comment has resulted, but very few new members of any class have been secured thereby. On the other hand, according to observations made, the publications of the country of the higher class have given more than ordinary attention to rose culture.

When the American Rose Society held its first exhibition in the city of New York, its first supporters were largely amateurs. The present show is made up of specimens from some of the largest commercial establish-

ments, small greenhouses and private gardeners. The cost of the journal was guaranteed by five members of the society, namely, Messrs. McKendrick, Good, Pierson, Pyle and Elliott; in addition to this, one of our life members, Samuel Thorne, subscribed an equal amount, which was \$50. The advertisements received also increased the income, so that the experiment was no drain otherwise.

The American Rose Society represents growers in various parts of the country, but there is one matter that has seemed of importance for permanent value, and that is the accurate record of the names and origin of roses that have been originated within the United States. There have been invitations sent through the press asking for reports from the originators; few have responded, but such as have have been carefully recorded. This matter is an important one for future use. The use of roses for out-door decoration is certainly increasing year after year.

One of our life members has written me from Boston, especially referring to bargain sales of roses, and that a quantity may be furnished at a low price, but the quality is misleading, consequently this sort of traffic would do much harm in public view. The American Rose Society medals, if we could come in touch more extensively with local horticultural societies, if offered as a prize in the June shows to some extent would perhaps tend largely to interest the amateurs, and as the society gave its first exhibition in the city of New York, this question of membership may at the present time be considered with propriety. The financial and general condition of the society is clearly stated in the president's and treasurer's reports.

BENJAMIN HAMMOND, Sec'y.

TREASURER MAY'S REPORT.

Summit, N. J., April 2, 1913.	
Receipts	\$2,787.97
Disbursements	1,921.16
Balance	\$ 866.81
	Harry O. May, Treasurer.

Chicago Spring Show.

Last week we gave an account of the opening days of the spring show of the Horticultural Society of Chicago, the official dates of which were April 1-5. Owing to the great popularity of the show this period was extended to include Sunday, April 6. Thursday was carnation day and the principal exhibitors of these flowers were: Poehlmann Bros. Co., Wietor Bros., E. G. Hill Co., Richmond, Ind.; Mt. Greenwood Cemetery Association, C. C. Pollworth Co., Milwaukee, Wis.; Chicago Carnation Co., Patten & Co., Tewksbury, Mass., and A. Anderson, Moline. Lily of the valley was well shown by J. A. Budlong, Poehlmann Bros. Co. and H. N. Bruns. Sweet peas of unusual high quality were exhibited by Loeffler & Benke, Watertown, Wis. Excellent violets came from Loeffler & Benke. Miscellaneous cut flowers showing very superior culture were exhibited by Hunt Bros. and Hild Bros. The E. G. Hill Co. staged an excellent assortment of fine amaryllis. Vaughan's Seed Store made an extensive display of high-grade vegetables in season, which proved to be one of the most attractive features of the show judging from the interest displayed by the public.

Carl Cropp had a fine lecture programme, but unfortunately this did not prove so popular as had been hoped, the public apparently preferring the flowers, pictures and music. The lectures were as follows: "Flowers for the Home Grounds," Prof. H. B. Dor-

ner, Urbana; "Fertilizers," Prof. F. W. Muncie, Urbana; "Flowering Shrubs in Their Order of Blooming," Wm. A. Peterson, Chicago; "Color Harmony in Planting," Prof. C. F. Kelley, Urbana; "How to Care for the Trees," Dr. Frank Johnson, Glen Ellyn.

The total attendance from April 1 to 6 inclusive was 74,738; in this period there were four free days and the attendance on the pay days was: Thursday, 3,206; Friday, 4,367; Saturday and Sunday the attendance was 22,000 each day.

In the gardeners' classes the principal prize winners were: Joseph Krupa, Lake Geneva, Wis.; John Tip-lady, Lake Forest; Paul Dieball, Hubbard Woods; Ed. Boulter, Winnetka, and H. Skjoldager.

The retailers, George Wittbold Co., John Mangel, Schiller the Florist, Ernst Wienhoeber Floral Co. and Chas. Samuelson, continued their fine exhibits, changing the displays daily.

Frank Kuehne of Oconomowoc, Wis., who regularly attends the shows in this city, says he always feels well repaid for his visits to these displays.

Patten & Co.'s exhibits of Princess Dagmar carnations arrived in fine condition notwithstanding the long journey and the warm weather.

Much credit is due to C. J. Stromback, Joseph Bieber and G. T. Siegert for constant attendance and excellent work in their departments.

The work of the judges, Emil Buettner, E. O. Orpet and August Koch, gave entire satisfaction to everyone concerned.

E. G. Hill said the show was by far the best spring event he has seen in this city.

Trade visitors noted during the show included O. H. Carlson, Minneapolis, Minn.; Wm. Currie and wife, Milwaukee, Wis.; W. D. Desmond, Minneapolis, Minn.; J. J. Hess, Omaha, Neb.; E. G. Hill, Richmond, Ind.; H. V. Hun-kei, Milwaukee, Wis.; Prof. C. F. Kelley, Urbana; J. O. Kemble and W. E. Kemble, Oskaloosa, Ia.; A. Kennedy and wife, Milwaukee, Wis.; Frank Kuehne, Oconomowoc, Wis.; Geo. A. Kuhl, Pekin; Prof. F. W. Muncie, Urbana; O. J. Olson, St. Paul, Minn.; John Stuppy, St. Joseph, Mo., and Theo. Wirth, Minneapolis, Minn.

THE RETAILERS' EXHIBITS.

The George Wittbold Co.'s dinner table decoration was a symphony in yellow. The centerpiece was a low ivory handle basket in which were Melody and Sunburst roses arranged in a dainty and artistic manner. Among them were yellow iris, yellow daisies, genistas and a scattering of lily of the valley with maidenhair ferns. A pale blue fancy ribbon gauze rosette finished the handle ornamentation.

A table of oblong shape was used by the Ernst Wienhoeber Floral Co. At each end stood a rich double-decked glass design, in which were flower-holders with spring flowers. Connecting chains of glass with a small glass phial, also filled with spring flowers, at each intersection, were used.

Chas. A. Samuelson showed, among other pretty things, very small round handled baskets with a few forget-me-nots scattered among Tausendschon rambler roses and lily of the valley. A rosette of pink satin knotted loops finished the baskets.

P. Schiller, the florist, also showed a note of originality in his dainty blue basket filled with sweet peas of the deep rich purple variety. Lily of the valley and a pale blue gauze rosette completed the arrangement.

John Mangel showed an artistic French handle basket filled with a beautiful shade of pink tulips. Also

an artistic basket of Pink Killarney roses and pink snapdragons.

Frank Oechslin's Dutch Garden showed some perfectly developed hyacinths, tulips, etc. The many prizes he won were well deserved.

CLOSING AWARDS.

The principal awards for plants and cut blooms of roses were recorded in last week's issue. The remaining awards were as follows:

OPEN TO ALL.

Display of cut roses, quality, arrangement and quantity considered—Poehlmann Bros. Co., third.

CUT FLOWERS—CARNATIONS.

Best 100 blooms, white—Wieter Bros., first; the E. G. Hill Co., Richmond, Ind., second; Mt. Greenwood Cemetery Association, third.

Best 100 blooms, flesh pink—the E. G. Hill Co., first; Mt. Greenwood Cemetery Association, second; Poehlmann Bros. Co., third.

Best 100 blooms, light pink—The E. G. Hill Co., first; the E. G. Hill Co., second; Wieter Bros., third.

Best 100 blooms, dark pink—Mt. Greenwood Cemetery Association, first; Poehlmann Bros. Co., second; Wieter Bros., third.

Best 100 blooms, red or scarlet—Poehlmann Bros. Co., first; the E. G. Hill Co., second; Chicago Carnation Co., third.

Best 100 blooms, white variegated—the E. G. Hill Co., first; Chicago Carnation Co., second.

SEEDLINGS NOT DISSEMINATED.

Best 25 blooms, white—C. C. Pollworth Co., Milwaukee, Wis., first, bronze medal.

Best 25 blooms, flesh pink—C. C. Pollworth Co., first, bronze medal.

Best 25 blooms, red or scarlet—Arvid Anderson, Moline, Ill., first, bronze medal.

Best 25 blooms, any other color—Patten & Co., Tewksbury, Mass., first, bronze medal.

CUT FLOWERS—SWEET PEAS.

Best 100, any other color—Loeffler & Benke, Watertown, Wis., first.

CUT FLOWERS—MISCELLANEOUS.

Best 250 lily of the valley—J. A. Budlong, first; Poehlmann Bros., second.

Best display of antirrhinums—Hunt Bros., first.

Violets, 100 blooms double—Loeffler & Benke, first.

Violets, 100 blooms single—Loeffler & Benke, first.

PRIVATE GARDENERS' CLASSES—PLANTS.
Cyclamen, specimen—Ed. Boulter, Winnetka, first.

Cyclamen, group, not less than 6 plants—Paul Dieball, first.

Primulas, group—silver medal—Paul Dieball, first, silver medal.

Flowering plants, group, one variety other than above—A. B. Dick, (John Tiplady, gr.), Lake Forest, first.

Special exhibit not eligible to compete in other classes—Ed. Boulter, Winnetka, first, silver medal.

NOT FOR COMPETITION.

Amaryllis—The E. G. Hill Co., first, silver medal.

Exhibit of vegetables—Vaughan's Seed Store, special mention.

AWARDS FRIDAY.

Display of cut flowers, varieties not included in previous classes—Hunt Bros., first; Hild Bros., second.

Group of mixed foliage and flowering plants—N. W. Harris, first, bronze medal.

Display of sweet peas Valena—H. Wehrman, Maywood, honorable mention.

Display of sweet peas Blanche Ferry—A. F. Amling, honorable mention.

Display of sweet peas, Selina Spencer—Gus. Swenson, Elmhurst, honorable mention.

PLANT NOTES.

Hydrangeas.

There are very few plants that are generally grown that show more variance in their culture or in the returns to the grower than the hydrangeas, especially those that are grown for summer blooming. In looking over the stocks in the several markets one will often see the extremes of these plants grown in the same sized pot; one with eight to ten heads of bloom, short and stock with fine foliage, an ornament on any porch or in any yard; and the other tall and long jointed, with two or three heads of bloom and five or six branches with no flowers and the foliage thin and small; the former bringing the grower \$2.00 to \$2.50 and the latter hardly averaging 75 cents. Yet these two plants have practically cost the grower the same amount of labor. These plants grow rapidly and must have plenty of room, an abundance of sun and lots of nourishment. It is useless to try to grow a good plant when they are crowded together. Many growers finish these plants by raising the pots over the benches of bedding plants that do not now require the full amount of sun, placing the hydrangeas about four feet apart in the center of the bench and standing the pot on a stand two feet above the other plants. This gives the hydrangeas a fine location. When the plants have set their buds the pots will probably be full of roots and a watering of liquid manure once or twice a week will greatly assist them in finishing up the flower and keep the foliage in good color. To grow good hydrangeas they must have plenty of food, room enough to grow shapely and for the air to circulate all around the plant and a light, well ventilated location. Under these conditions they are easily grown and are remunerative to the grower.

Freeseias.

Although the freeseias are a cheap bulb they should not be thrown away, for it takes but little attention to ripen them off after they are through blooming and as good bulbs can be procured as those that are purchased. The freesia is a native of southern Africa, so they are blooming at the natural season when flowered in mid-winter in the north. But the bulbs must be allowed to mature their growth and then dried off gradually. The pots or boxes in which they are grown can then be placed in full sunlight and allowed to become very dry. A shelf near the glass makes an admirable place on which to place them after the growth has finished and no more watering is required, but they must not stand where any drip from the roof on a stormy day is liable to keep them moist. They can be shaken out in June and the bulbs sorted as it is comparatively easy to select the flowering bulbs and stored in a dry place until wanted for planting. For Christmas blooming the bulbs should be started early in July and a succession of plantings until September will give the grower flowers until the following spring.

Lilium Lancifolium.

Among the best flowers for greenhouse culture during the summer months is the *Lilium lancifolium*, of varieties *rubrum*, *roseum album* and *Melpomene*. While these varieties can all be grown outside, yet under those conditions they rarely give perfect flowers and they also tarnish quickly in the direct rays of the sun or under heavy rains and to have flowers that can be used for decorative work or designs it is far better to grow them under glass. Those that are to bloom in July should have been start-

ed in March, but for August blooming they can be planted now. One of the easiest ways to grow these bulbs is to plant them in boxes from four to six inches deep, not too large, but of a size that one man can handle when filled with soil. Do not fill the boxes too full when planting the bulbs, for like all lilies they throw out roots at the surface, so it is well to leave room for top dressing later. Grow them in a cool, shady location and after the spikes begin to grow give them plenty of water and keep them tied erect to stakes. Constant fumigation will be necessary to keep the green fly in check. This is in no way forcing these bulbs and if properly dried off after blooming the bulbs may be grown year after year and a good crop of flowers obtained.

Celosia Plumosa.

The plants of *Celosia plumosa* or the ostrich plume celosia are of very easy culture and make very showy plants for either the garden or the greenhouse. They form pyramidal bushes and the yellow and red plumes which resemble ostrich feathers stand gracefully above the foliage. While they make showy plants for the garden, finer specimens are grown under glass and they make very showy plants in the late summer and fall. Seed sown in April will make fine plants for culture during the summer, but like all the celosias the young seedlings damp off easily. As soon as large enough they should be potted in good light soil in 2½-inch pots and later shifted to 4-inch and to grow large plants to 6-inch pots. They should be grown in a good, strong light, for if shaded the plants will become drawn and the dwarf compact plants are more desirable. *C. plumosa aurea*, the orange ostrich plume, and *C. plumosa coccinea*, the crimson ostrich plume, are the two best of the older varieties and *Pride of Castle Gould*, a new introduction of the last three years, is the best of all the ostrich plume varieties and can be obtained in many colors.

Gypsophila Paniculata.

There are few summer flowers that are of more use to the florist having a local trade than the gypsophilla, for it lightens up work beautifully and greatly aids in softening the appearance of the summer flowers, many of which have a coarse look in floral work, and in bouquets, sprays and basket work the sprays are particularly useful. The grower not possessing a good bed of this should procure stock at once and plant them in a good, sunny position, and after once becoming established they require no further attention than to keep the bed free from weeds and occasionally cultivated. Seed can be now sown and as soon as large enough transplanted in rows outside where they can remain until another spring, when they can be again transplanted to permanent quarters, but to have plants that will bloom this year it will be necessary to procure older stock. The double form of this plant is even more beautiful than the single for some purposes, and its lasting qualities make it more valuable for a cut flower than the older variety.

MINNEAPOLIS, MINN.—Stephen A. Jamieson is now with the Universal Portland Cement Co., this city, with offices at 934 Security Bank Building.

FT. WAYNE, IND.—The W. J. Vesey, Jr., greenhouses, which had already been badly damaged by the high water, suffered a loss of about \$20,000 by fire, March 27. An overheated oil stove placed in the building to protect a \$12,000 stock of orchids just rescued from the submerged portions of the greenhouse is believed to have started the fire.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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RENEW subscriptions promptly so that no copies of the paper may be missed.

E. G. HILL is contributing an article to the forthcoming issue of the year-book of the National Rose Society of England.

SPACE is said to have been sold at the Third National Flower Show, New York, to the value of \$16,000 as compared with \$8,000 at the Boston show.

MINISTER PAGE, as the pioneer American distributor of foreign seed catalogs in the United States, should find a warm welcome from England's enterprising horticulturists.

RALPH M. WARD & Co.'s new edition of "Horseshoe Bulbology" is out and will be largely read because of the interesting and valuable matter it contains as well as on account of its originality.

CAPE JESSAMINE.—E. J. Sheffield, of Alvin, Texas, writes April 2 that present indications point to a large crop of these flowers this year and that they will be about right for Memorial Day.

Tornado Insurance.

The recent tornados have either totally destroyed or damaged many greenhouses throughout the country. But one firm, so far as we know, Hoerber Bros., of Des Plaines, Ill., was insured against such calamities. Florian D. Wallace of Chicago, with offices in the Insurance Exchange Building, reports that settlement for this destroyed property is being made without any hitch and that he would be pleased to quote rates on greenhouse insurance against fire, tornado, lightning, boiler explosion and injury to employes and public. Boiler explosion insurance will be found an exceedingly good investment as fully 85 per cent of the premium is employed for inspection purposes, making this insurance primarily a preventive.

Dayton Flood Sufferer's Story.

The horrors of the floods at Dayton, O., and other cities can never be realized by any one fortunate enough to have escaped them but a letter written by Mrs. Warren G. Matthews, wife of a well known Dayton florist, to a relative in Chicago, gives a better idea of the sufferings endured than any newspaper account possibly could. The letter was written Saturday, March 29, and was delayed in delivery because of the round-about course it had to take to reach its destination as a result of the interruption of direct communication with the stricken city. It was without a stamp, as none was to be had in Dayton. An abstract of the letter is as follows:

"I know you have read of the terrible disaster that visited our fair city, but you will never know the awful sufferings we passed through. I don't know how to begin my description, but whatever you read, not half has been told. Monday after Easter Sunday it rained all day. Mr. Matthews was very sick and we had the doctor twice. It kept raining, and at 4 p. m. the water was up in our yard. We began to get alarmed and took things from the cellar upstairs. I did not go to bed that night and in the morning things looked so serious Mr. Gessler and Walter took the horses to Dayton View highland. The next time I saw Walter he was in a boat with a man trying to land on top of our porch at Mr. M.'s window to get him out, but the current carried them away and across the levee, where their boat was washed from under them and they were lodged in a tree. There they remained for six long hours. Can you imagine our feelings?

"We barely got into the attic when the water came over the mantels on the second floor. Walter and the man with him were screaming for help; women and children were washed past them down the river; houses were upset; our greenhouses and everything connected tore past like lightning. Walter and his companion were fast becoming exhausted, when by firing revolvers and calling through a graphophone horn we succeeded in getting a boat to brave the current and come to the bathroom window. I got down out of the attic, in water to my waist, and moved the boat from the window around the corner of the house to the south window, and by using one of our greenhouses which was across the trolley wires we managed to reach them. They were utterly exhausted and fell into the boat. I pulled them back to

the window and we gave them whiskey.

"My God, such a night! We thought Mr. M. could not live. The city grew dark about 5 p. m. Our electric lights failed and the gas pipes burst, nearly suffocating us. Arline sat at the window all night, crying through the megaphone for help, but who was there to help! Every section of the city was under water. At Third and Main street it was 16 feet deep.

"Everybody has lost everything. We are paupers, but God spared our lives, and yet what a trying night. It rained all night long and we could only huddle together and pray that the house would hold out until daylight and we might escape. Fires broke out in every section of the city. About 10 a. m. some people on a hill heard Arline shouting and started boats to rescue us. When they got Mr. Matthews in the boat he was exhausted and took it two hours to go five blocks. They took him to a church on high ground and sent him in an auto to the doctor's home. Walter and I did not leave the house until 5 p. m. The house was creaking and we thought every minute was our last. When I got to the doctor's I found Mr. M. very bad and he has been that way ever since. I have not closed my eyes since Sunday. We have enough to eat. No light and little water. The doctor thinks tonight Mr. M. is a little better. If the Lord only lets him live we will work and get a home. It is just fifteen years to the day since we were flooded out before."

[From a later letter, written by Mrs. Matthews April 4, we learn that Mr. Matthews is critically ill with pneumonia in an emergency hospital, but is likely to recover.—ED.]

GAINESVILLE, TEX.—Herman Kaden suffered a heavy loss from a hail storm recently. Much glass was broken and plants and flowers were badly damaged.

NEW CASTLE, IND.—There have been no shipments of flowers from here for 15 days owing to flood difficulties with the transportation concerns. Richmond and other nearby cities are similarly situated.

COLUMBUS, O.—Newspaper reports of the flood damage in this city were very much exaggerated and commercial organizations are endeavoring to offset the popular impression with regard to the disaster. The floods, while destructive, were confined to the residence section of the western part of the city and the work of rehabilitation is rapidly going on.

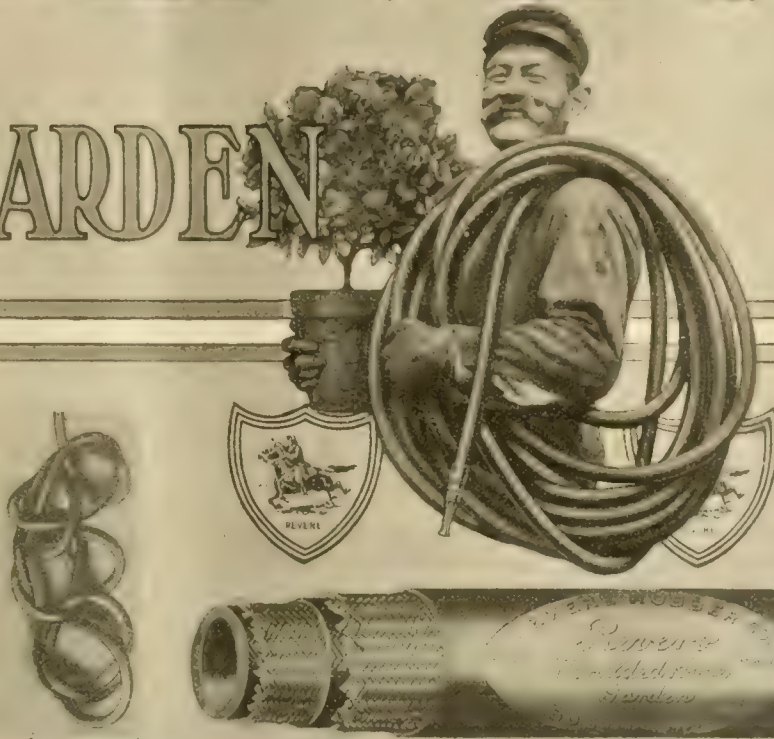
WALTA, O.—W. C. Scovell of this city was a heavy loser by the great floods in the northeastern part of this state. His greenhouses and dwelling were both flooded and he estimates that his loss to plants alone will be in the neighborhood of \$600 or \$700. Nearly all the public buildings have been destroyed and the railway companies say that it will be another month before the trains will be able to reach here.

TROY, OHIO.—The Skinner Irrigation Co., whose offices and factory are located at this place, has been practically shut out of communication with the outside world for ten days and it is only within the last few days that intercourse has been partially established. The factory is uninjured and was re-opened for business April 7. Freight shipments can now be made with reasonable promptitude and express shipments without delay.

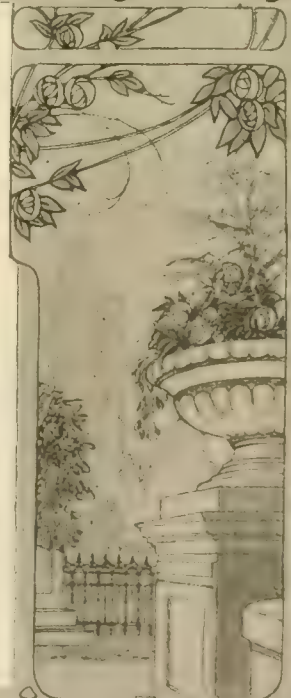
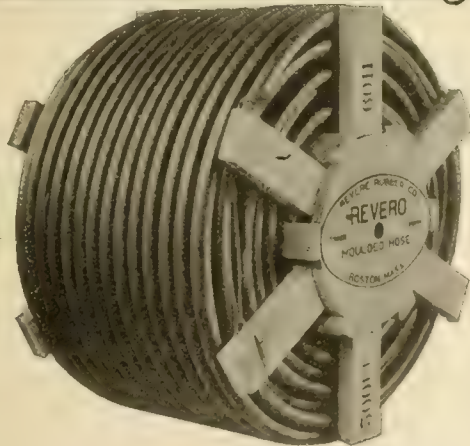
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WHY buy Garden Hose of the old style (wrapped construction) which readily kinks and the plies easily separate, necessitating couplings when lengths of more than 50 feet are desired? You can avoid all this by buying Revero Garden Hose which is made in 500-ft. lengths, so that you may have any length desired in **one piece**. It will withstand any water pressure. Let your next order be **REVERO**.

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ANNOUNCEMENT.

Invitation to All in the Trade:

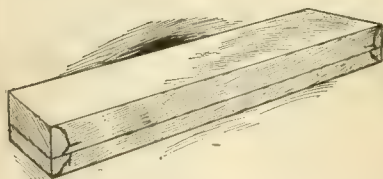
The Third Annual Spring Opening of the Meredith Flower and Vegetable Co., will be held on May 1, 1913. The management tenders a hearty welcome to the trade to spend this day at Libertyville as their guests, and inspect the fine line of stock grown by this Company. This place can be reached by the Chicago, Milwaukee & St. Paul R. R., or via the Chicago, Milwaukee Electric R. R., and a good time is assured everyone.

Respectfully,

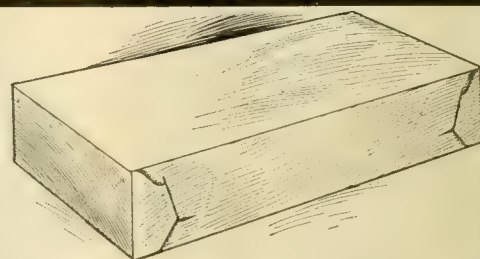
MRS. IDA M. LATSHAW, (Local Mgr.)

The Meredith Flower and Vegetable Co., LIBERTYVILLE, ILL.

Mention the American Florist when writing



FOLDING FLOWER ..BOXES..



We can supply you with any size Flower Box you need. We carry the largest variety of colors. We can and do make prompt shipments at all times. Our prices are reasonable and a special discount will be allowed on quantity orders.

Palm Green, Mist Gray, Mist Brown.		White Glaze, Green Glaze, Pink Glaze.		Extra Heavy Spray and Design—Palm Green.		Extra Heavy Spray and Design—Mist Gray, Mist Brown.		Violet and Corsage Boxes.	
Per 100		Per 100		Per 100		Per 100		White and Violet Glaze, Per 100	
16x 4 x3.....	\$ 1.85	16x 4 x3.....	\$ 2.65	23x12x5, Telescope, \$ 7.50		30x12x 6 Telescope, \$10.50		7x4x4.....	\$2.50
20x 4 x3.....	2.15	20x 4 x3.....	3.00	30x12x8 ..	10.00	20x12x 8 ..	10.00	8x5x5.....	3.00
18x 5 x3.....	2.15	18x 5 x3.....	3.00	20x12x8 ..	10.00	16x16x 8 ..	10.50	10x6x5½.....	3.50
21x 5 x3.....	2.50	21x 5 x3.....	3.50	12x12x8 ..	9.00	20x20x 8 ..	13.50	12x8x5½.....	4.50
24x 5 x3½.....	3.00	24x 5 x3½.....	3.75	16x16x8 ..	10.00	24x24x 8 ..	15.50	14x10x8, Telescope.....	8.50
30x 5 x3½.....	3.30	30x 5 x3½.....	4.50	20x20x8 ..	13.00	24x24x10 ..	20.00	Plain Violet.	
36x 5½x3½.....	4.50	36x 5½x3½.....	5.65	24x24x8 ..	15.00	28x28x 8 ..	19.50	7x4x4.....	1.75
21x 7 x3½.....	3.25	18x 6 x3½.....	3.65	28x28x8 ..	19.00	32x32x 8 ..	25.50	8x5x5.....	2.25
24x 8 x4.....	3.85	21x 7 x3½.....	4.00	32x32x8 ..	25.00	24x14x 8 ..	13.00	10x6x5½.....	2.50
24x 8 x5.....	4.15	21x 8 x4.....	4.65	28x22x8 ..	16.00	30x14x 8 ..	15.00	11x8x5½.....	3.50
28x 8 x4.....	4.35	24x 8 x4.....	5.25	24x14x8 ..	12.50	36x14x 8 ..	16.25	Mist Gray, Mist Brown, Palm Green.	
28x 8 x5.....	5.00	24x 8 x5.....	5.75	30x14x8 ..	14.50	40x14x 8 ..	17.75	7x4x4.....	2.50
36x 8 x5, Telescope.	7.00	28x 8 x4.....	6.00	36x14x8 ..	16.00	42x17x 8 ..	20.50	8x5x5.....	2.75
40x 8 x5.....	9.00	28x 8 x5.....	6.50	40x14x8 ..	17.50	No printing charge on lots of 300 or over of assorted sizes.		10x6x5½.....	3.00
42x 8 x5.....	11.00	36x 8 x5, Telescope.	9.00	32x17x8 ..	16.00			12x8x5½.....	3.50
30x10 x5.....	7.00	40x 8 x5.....	11.00	36x17x8 ..	18.50			15x6x5.....	3.50
36x10 x5.....	9.00	42x 8 x5.....	13.25	42x17x8 ..	20.00	Samples of board mailed on application.		14x10x8, Telescope.....	6.00
42x10 x5.....	13.00	36x10 x5.....	11.00						
48x10 x5.....	15.00	42x10 x5.....	15.00						
		48x10 x5.....	18.00						

A. A. Arnold, 16-18-20-22 S. PEORIA ST., **CHICAGO**
DEPT. F.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.
Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Position as traveling salesman for seeds, bulbs, plants or florists' supplies. Address Key 786, care American Florist.

Situation Wanted—As a working foreman, single, strictly sober and a good grower of cut flowers and potted plants; good designer and hustler. Key 811, care American Florist.

Situation Wanted—As Florist and gardener; well up in Carnation and Chrysanthemum growing. Single man; good reference. Key 806, care American Florist Co.

Situation Wanted—At once by a nurseryman to take charge of a nursery. Hollander; good all around man; state particulars in first letter; can give good references. Address Key 814, care American Florist.

Situation Wanted—Manager and foreman now in charge of about 80,000 feet of glass, wants a change; a good grower or manager of a store; first-class salesman and designer; can take charge soon. Address Key 817, care American Florist.

Situation Wanted—As florist and gardener in private place; Hollander; 10 years in this country; married; no children; life experience; can furnish the best of references. Address Key 801, care American Florist.

Situation Wanted—Head gardener, Englishman, age 40, married, without family. Life experience in all branches, including Orchids, Roses, Carnations, Mums, Early Forcing, fruit and vegetables, etc. Good references. E. RICHMOND, Elma Center, N. Y.

Situation Wanted—Florist and Gardener of 20 years experience on a private place or public institution; first-class grower of Orchids, Cut Flowers, and Vegetables, under glass or outside. Best references. Address Key 818, care American Florist.

Situation Wanted—A strictly first-class designer decorator and storeman will be open for an engagement on or before May 1. First class references. Good wages expected. Eastern city preferred. Write at once, if you need such a man. A. F. F. care American Florist, 124 East 24th Street, New York.

Situation Wanted—By gardener: Scotch; as head in private place; experienced in all branches of gardening, inside and out. Over 20 years in large establishments growing all kinds of greenhouse plants and vegetables. Also care of lawns and landscape work. Age 37; married; no family. ARCH LITTLEJOHN, 39 Temple St., Somerville, Mass.

Situation Wanted—Landscape Architect (German) 29 years of age, first-class technical and practical knowledge of landscape gardening. Expert in layouts of artistic plans and estimates for municipal and private parks. Recently employed as manager for some of the largest landscape contractors of Germany. Excellent references. Address Key 809, care American Florist.

Situation Wanted—On commercial or private place by an all around man with 20 years of practical experience in this country and Europe; single, 35 years of age. Can furnish the best of recommendations from leading firms. Pot plants, roses, carnations and landscape gardening a specialty. State salary when writing. GEORGE BAKAITIS, 5433 North Seeley av., Chicago

Situation Wanted—As head gardener or florist superintendent on private place; English, age 35, married, one child aged 8 years. At present engaged, but desire change; life experience in all branches—hot house plants, cut flowers and fruit under glass, vegetables, lawn perennials, and the general routine of a well kept estate; 4 years and a half in present place; first-class references. Address Key 813, care American Florist.

Situation Wanted—As head gardener or superintendent. Good grower of cut flowers, potted plants, indoors and out doors; vegetables and fruits. Good experience in lawn and park work; understand management of private place park, cemetery, or institution. Am 30 years of age, married, no children. Have been in the gardening and florist business for 15 years. Can furnish best references to party requiring such a man. Address Key 799, care American Florist.

Help Wanted—Two experienced salesladies. Apply W. W. BARNARD CO., 253 W. Madison St., Chicago, Ill.

Help Wanted—Honest young lady with some experience to take care of floral establishment in Chicago. Very good chance for advancement with good salary. Key 805, care American Florist.

Help Wanted—Florist and gardener for public park; must be competent for in and outside work; state experience and wages wanted. SUPT. OF PARKS, Davenport, Iowa.

Help Wanted—Sober and industrious men with greenhouse experience, at once, steady work, 25 miles from Chicago. Address Key 819, care American Florist.

Help Wanted—A bookkeeper who has had experience in bookkeeping in a florist's store. Address A. F. F., care American Florist, 124 East 24th Street, New York.

Help Wanted—Florist and gardener, competent to take charge of greenhouse, garden and grounds at State Institution. Address SUPERINTENDENT, State Public School, Owatonna, Minn.

Help Wanted—Manager and rose grower for commercial place. Liberal salary to the right man. Must furnish best of references as to ability from former employers. Address Key 815, care American Florist.

Help Wanted—A thoroughly practical grower; roses a specialty. A good position and good wages for the right man. Must furnish the best references and a personal interview will be arranged before engaging. H. H. BATTLES, 108 South 12th St., Philadelphia, Pa.

Help Wanted—At once, working foreman for modern establishment, 30,000 feet of glass in a Missouri city. A competent grower of roses, carnations, mums, bulbs and pot plants, capable of handling help. Man of character, sober and progressive. Good wages to right man; no other need apply. Give reference and wages expected in first letter. Address Key 820, care American Florist.

For Sale—10,000 feet of glass in the best town for its size in Illinois. No competition; a money maker. Address Key 821, care American Florist.

For Sale—Well located retail store, centrally located, doing good business for over five years. This is a rare opportunity, price very reasonable; going south object of selling. Key 804, care American Florist.

For Sale or Lease—5 greenhouses at Madison, N. J., 1 mile from station, 4½ acres of land, 9-room dwelling, up-to-date, cheap, and low rent to prospective buyer. Address R. S., 265 Rosedale Ave., Madison, N. J.

Public Sale—Of floral plant known as The Morris Floral Co., will be held at the east door of the City Hall, in Morris, Ill. The real estate consists of 6 acres of ground planted in all kinds of fruit trees and berries; 3 new greenhouses 28x125 feet and 12 smaller houses all in good condition. One 12 room dwelling house with all modern conveniences. One 5-room cottage; big packing shed, cellar and barn. Ten per cent cash on day of sale and the balance when report of the sale is approved by the Court. ANNA KRAHN, Administratrix of the estate of Ivin Krahn, deceased.

FOR SALE.

A new range of greenhouses consisting of 30,000 feet of glass, well stocked with carnations and located in the vicinity of Chicago. Can be had at a very reasonable figure. For further particulars, address Key 816, care American Florist.

STOREMAN

Good salesman and designer is desirous of securing a situation immediately in Chicago. For further particulars, address, Key 810, care American Florist.

Foreman Wanted

A large commercial establishment of 60,000 square feet wishes a capable foreman to take charge of the growing of stock. Must be well up on roses, carnations, mums, lilies and pot plants such as are necessary for first class retail stores. A good opening for a man of experience and one capable of handling help intelligently. First class references expected and personal interview will be arranged. Key 822, care American Florist.

HELP WANTED

A competent grower of general stock. Must be good on mums, lilies and general pot plants. We want a sober, industrious man who can come at once. Give references and salary expected.

L. L. MAY & CO., 295 Como Ave., St. Paul, Minn

HELP WANTED.

A competent working grower to work in a retail and commercial greenhouse where large quantities of carnations, chrysanthemums, lilies and various kinds of plants and bulb stock are grown for the trade. Address with references to Shepard's Garden Carnation Co., 292 Fairmount St., Lowell, Mass., stating wages and experience.

Gardener Wanted at Once.

We must have an experienced, reliable gardener immediately. The right man may come on practically his own terms. Prefer to lease on shares but will go more than half way to meet desires of good man. House or board will be furnished. Tract of 38 acres; richest of bottom land; coal at door for greenhouse use; street cars now; railroad coming. In midst of manufacturing and coal mining district. Best of markets, high prices, etc. Gardening business not crowded. Paved road through farm. About two miles from Monongahela, Pa., a city of from fifteen to twenty thousand. Address MARY E. JONES, R. D. 2, Finleyville, Pa.

The Chance of a Lifetime for a Hustling Gardener.

Here is a big thing for a practical man with a little money who wants to own a business. 12 acres of cultivated land, watered by a running brook, located on 2 main roads, 10 miles from Boston, 8 minutes from electric cars, 20 minutes from steam cars. City water piped all over the place. 15,000 feet of glass in three houses; 15,000 extra carnation plants and 40,000 young plants, all of best varieties. Boiler house with cellar for 100 tons of coal. Large barn, stable room for two horses. Modern 9-room house, electric lights, hot and cold water, furnace heat. Plenty of office room in house. This property is in first-class condition and near a big market that will take all that can be grown under glass or in the open. You can receive further details by writing to

The McFarland Publicity Service
Box 675, Harrisburg, Pa.

THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120 page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, \$1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.



Special Offer!

For the week ending April 15th.

Choice Extra Long stem Beauties, \$3.00 per dozen.

Choice Extra Long Seconds, - 1.50 per dozen.

Good Fresh Carnations in lots of 500 or more, pink and white, and 20 per cent red, \$10.00 per 1000.

Choice Extra Long Roses, - 8 00 per 100.

Choice Medium Roses, \$5.00 to 6.00 per 100.

Choice Short Roses, - - - 3.00 per 100.

Assorted Roses, Our Selection, - 3.00 per 100.

Easter Lilies, - - - 6.00 per 100.

All other flowers at lowest market rates.

BASSETT & WASHBURN

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.

LONG DISTANCE PHONE, CENTRAL 1457.

Chicago.

SLIGHT IMPROVEMENT IN TRADE.

Trade has shown a slight increase since the last writing especially locally but it is yet far from satisfactory. It is still impossible to make shipments to a large number of cities, consequently many of the local wholesalers are suffering heavily. One of the large dealers states that his shipping trade was cut practically in two since the recent floods which he estimates is costing the local wholesale trade at least \$1,000 a day, all things considered. With New Orleans, Memphis, Pittsburg and other large cities cut off from the shipping list there has consequently been more stock to dispose of locally than before all which has helped to flood the market and force the prices down. Growers at New Castle, Ind., are shipping a large quantity of stock here for their outlet has been cut off also and their only means to dispose of their flowers now is through the local dealers. Everything in cut flowers is in oversupply and most of the stock is being sold in large lots at bargain prices. American Beauty roses are very plentiful but the supply of fancy stock is limited although many seconds are obtainable. The best flowers are bringing \$3.00 per dozen in a few instances, but the majority are being sold for much less. All the other roses can be had at bargain prices with the possible exception of Richmond which are in good demand. Carnations are moving very slowly but sweet peas at cheap prices are in good demand. There are quantities of narcissi, the southern grown arriving in large shipments and are sold very low, but the receipts of tulips and hyacinths are very much smaller. Spanish iris is seen in quantity and they are made a feature by

some of the retailers. Callas and lilies are to be had in quantity, violets are not quite so plentiful and pansies for corsage bouquets are offered freely. Antirrhinums of excellent quality are shown in large vases, the white and pink being displayed in quantity. Orchids are in good supply; in fact the only items that are scarce are customers and orders. It is hoped that trade will soon resume normal conditions, for everything is against the local dealers, especially the commission man who has a number of growers to satisfy. The growers should have in mind that the market has never been in such an unsatisfactory condition since the expressmen's strike, and allow for the poor returns.

NOTES.

The Meredith Flower and Vegetable Co. extends a cordial invitation to all in the trade to visit its greenhouses on May 1 and take in the third annual spring opening. Ida M. Latshaw, the local manager, promises everyone an enjoyable time. You had better join the crowd and take in the opening. These greenhouses are best reached by the Chicago, Milwaukee & St. Paul R. R., or via the Chicago, Milwaukee Electric road to Lake Bluff and then to Libertyville.

In speaking of the different losses by florists during the recent storm Otto W. Frese with Poehlmann Bros. Co. says that some immediate action ought to be taken in the Matthews case at Dayton, O., for the family are in a destitute condition and would probably greatly appreciate a little help. It is probable that some action will be taken at the meeting of the Florists' Club tonight, at least it is reported so by good authority.

Oscar Leistner, 17 North Franklin street, has returned from a successful eastern business trip. His firm is now

featuring in addition to all of Ove Knatt's fine line of goods a wreath made of natural prepared oak leaves. The cost of the wreath is very small and there is no question but what it will be in great demand for Memorial day.

The Superior Machine & Boiler Works is placing a new flue plug on the market in addition to its concrete post forms. Peter Weiler says that every grower ought to have a set of these flue plugs on hand, for they will eventually save him a great deal of trouble as well as expense.

Percy Jones is building up a good shipping trade in both cut flowers and supplies. The latter department is rapidly forging ahead and one order was so large this week that seven large crates besides several small boxes were needed to properly pack the goods.

Bassett & Washburn are cutting heavily in roses and carnations with a fine grade of American Beauty the principal offerings. Bulbous stock can also be had here in quantities.

Zech & Mann are doing a good local business considering the present condition, but they are handicapped with their shipping trade like all the other houses.

J. A. Budlong is pleasing his customers with his prize winning lily of the valley as well as his fancy American Beauty roses.

The M. Winandy Manufacturing Co. is installing its new improved heating system in the Palmer greenhouses at Hubbard Woods.

O. Johnson, with the Batavia Greenhouse Co., says that the better grades of American Beauty roses are selling quickly.

L. Hoeckner, of the Peter Reinberg force, has returned from his sight-seeing tour of the flood districts.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

American Beauties

White and Pink Killarneys, Prince de Bulgarie, Mrs. Aaron Ward, and Richmond Roses, short, long and medium grades, in large supply. Also extra large cuts of Fancy VALLEY, ORCHIDS, LILIES, CARNATIONS.

Write or Wire for special quotations on large lots of Roses and Carnations.

Current Price List.

All our quotations are subject to market fluctuations, changes without notice, and our confirmation.

AMERICAN BEAUTIES		Per Doz.	LADY HILLINGDON.		Per 100	CARNATIONS—		Per 100
Specials.....		\$4.00	Specials.....		\$12.00	Firsts.....		\$3.00
36-inch.....		3.00	Long.....		10.00	Seconds.....		2.00
30-inch.....		2.50	Medium.....		8.00	Thirds.....		1.50
24-inch.....		2.00	Short.....		\$4.00 to 6.00	ORCHIDS, Cattleyas...per doz.,		6.00 to \$7.50
20-inch.....		1.50	RICHMOND.		Per 100	JONQUILS.....		3.00
18-inch.....		1.25	Specials.....		\$10.00	DAFFODILS.....		3.00
15-inch.....		1.00	Long.....		8.00	LILIES.....		10.00
Short stem.....		Per 100, \$4.00 to 6.00	Medium.....		6.00	TULIPS, double.....		4.00 to 5.00
PRINCE DE BULGARIE, Antoine Rivoire or			Short.....		3.00 to 4.00	TULIPS, single.....		3.00 to 4.00
Mrs. Taft.		Per 100	KILLARNEY.		\$10.00	VALLEY.....		2.00 to \$3.00
Specials.....		\$12.00	Specials.....		8.00	VIOLETS, Single Princess of Wales		1.00
Long.....		10.00	Long.....		6.00	VIOLETS, Fragrant Home Grown		1.00
Medium.....		8.00	Medium.....		3.00 to 4.00	SWEET PEAS, fancy.....		1.00 to 1.50
Short.....		4.00 to 6.00	Short.....			ADIANTUM CROWEANUM.....		1.00
MRS. AARON WARD.			KILLARNEY QUEEN		\$12.00	SMILAX.....		Per doz. 2.50
Specials.....		\$12.00	Specials.....		10.00	SPRENGER.....		2.00 to 4.00
Long.....		10.00	Long.....		8.00	PLUMOSUS SPRAYS.....		3.00 to 4.00
Medium.....		8.00	Medium.....		4.00 to 6.00	PLUMOSUS STRINGS.....		each .60
Short.....		4.00 to 6.00	Short.....			FERNS.....		per 1,000, 2.50
MELODY, specials.....		\$12.00	WHITE KILLARNEY.		\$10.00	GALAX.....		per 1,000, 1.25
Long.....		10.00	Specials.....		8.00	LEUCOTHOE.....		per 100, .75
Medium.....		8.00	Long.....		6.00	BOXWOOD, bunch, 25c; 50-lb. case,		7.50
Short.....		4.00 to 6.00	Medium.....		3.00 to 4.00			
			Short.....					

Supply Department.

Our success in this department has been gained by prompt shipment of all orders, reasonable prices and good clean stock.

We now offer a full line of **Baskets for Weddings, Table Decorations, etc.**, assortment \$5.00 to \$25.00 selected by us; will guarantee to give satisfaction.

Cape Flowers, white, 85c per pound; colored, \$1.00 per pound. **Capeblumens**, (Artificial Capes) 50c per hundred. **Galvanized Wire Stakes**.

Cemetery Vases, glass, \$2.00 per dozen; Green Enameled, \$1.60 to \$2.00 per dozen. **6-inch Valley Chiffon**, special per yard, 4½c. **10-inch Valley Chiffon**, special per yard, 7½c. **Ruscus, Magnolia Leaves, Cycas Leaves, Wheat Sheaves**.

Cut Flower Boxes. Corrugated Boxes. Wire Designs.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

BEAUTIES--ROSES--CARNATIONS

CURRENT PRICE LIST:

Buy from us and get the best stock in the market at the most reasonable prices. All late orders will be filled in full.

American Beauties.

Per Dozen	Per Dozen
60-in. stems.....\$4 00	24-in. stems.....\$1 75
48-in. stems.....3 00	20-in. stems.....1 50
36-in. stems.....2 50	15-in. stems.....1 00
30-in. stems.....2 00	Short stems.....75

Killarney.

Per 100	Per 100
Extra special.....\$ 8.00	Medium.....\$ 5.00
Selects.....7.00	Good.....4.00
Fancy.....6.00	Short stems.....3.00

My Maryland

Per 100
Fancy.....\$ 8.00
Good.....6.00
Short.....4.00

Sunburst

Per 100
Fancy.....\$10.00
Good.....8.00
Short.....6.00

Roses, our selection - - - \$3.00

Carnations Extra Special Red, Enchantress, Pink and White, \$3.00 per 100.

Richmond

Per 100
Extra specials.....\$ 8.00
Selects.....7.00
Fancy.....6.00
Medium.....5.00
Good.....4.00
Short stems.....3.00

White Killarney

Per 100
Extra specials.....\$ 8.00
Selects.....7.00
Fancy.....6.00
Medium.....5.00
Good.....4.00
Short stems.....3.00

Carnations Good Red, Enchantress, Pink and White, \$1.50 to \$2.00 per 100.

FERNS, per 1000.....\$2.50
SMILAX, per doz.....\$1.50 to 2.00
ADIANTUM, per 100.....1 00 to 1.50
GALAX, per 1000.....1.00
SPRENGER, per bunch......50
ASPARAGUS SPRAYS, per bunch......50
LILIES.....per 100, \$10.00 and 12.50

The delegation leaving this city last week for the National Flower Show included W. N. Rudd and wife, August Poehlmann, Adolph Poehlmann, Geo. Asmus, S. J. Pearce, A. Henderson, R. Schiele, H. B. Dorner, Urbana; O. J. Olson, St. Paul, Minn.; J. J. Hess, Omaha, Neb.; H. V. Hunkel and Wm. Currie and wife, Milwaukee, Wis.; W. E. Kemble, Oskaloosa, and J. O. Kemble, Marshalltown, Ia.; Theo. Wirth, W. D. Desmond and O. H. Carlson, Minneapolis, Minn.; Peter Olsem, Joliet.

Philip L. McKee, Adam Zender and H. V. Hunkel of Milwaukee, Wis., took in the sights at Bassett & Washburn's new range on April 4. Mr. Hunkel left the same evening for New York to attend the National Flower Show.

President French appointed George Asmus to represent the Chicago Florists' Club at the meeting of the National Publicity Committee, which was held at the Grand Central Palace in New York on April 7.

The bowling league is making preparations to entertain the Milwaukee florists, who will play a return match here with the local club at Bensinger's West Randolph street alleys, next Sunday, April 13.

W. E. Kemble of Oskaloosa and J. O. Kemble of Marshalltown, Ia., spent a few hours here on April 5, leaving the same evening for New York to attend the National Flower Show.

Lubliner & Trinz, the East Randolph street florists, opened their new moving picture theatre at Forty-seventh street and Prairie avenue last week with a full house.

Fred Strail says that the Williams Flower Shop, which opened recently at 102 South Wabash avenue, is doing a very satisfactory business.

PERCY JONES

L. M. JONES Secy.

(Inc.)

H. VAN GELDER, Pres.

YOU ARE LOSING MONEY

Every week you are not receiving our Special Price List of Cut Flowers and Supplies. Write right now and get on our mailing list TODAY.

56 E. Randolph St., Chicago

George Perdikas took advantage of the market conditions last week by buying heavily and making a large showing of cut flowers in each of his three loop stores.

C. Boukitis, formerly with Mangel, the Palmer House Florist, will open a new store in one of the leading hotels at Indianapolis, Ind., May 1.

F. O. Franzen, the enterprising Summerdale avenue florist and seedsman, is awaiting the arrival of a large importation of boxwood trees.

John Stuppy, of St. Joseph, Mo., attended the spring show of the Horticultural Society which was held in the Art Institute last week.

George Reinberg's new foreman, Otto Benthay, has about completed the planting of 10 large houses of American Beauty roses.

C. J. Stromback, former head gardener at Lincoln park, will celebrate his seventy-first birthday anniversary April 17.

Erne & Klingel were busy as bees on April 5 when both the local and shipping trade showed a marked increase.

C. F. McCormick has resigned his position with the A. L. Randall Co.

Miss M. C. Gunterberg is again filling orders for orange blossoms.

V. Hanner has opened a new store at 2014 West Division street.

A Tremendous Cut of Fine Richmond

In All Lengths at \$4.00, \$6.00, \$8.00, \$10.00 per 100.

Also a Big Supply of WHITE KILLARNEYS PINK

American Beauty, My Maryland, Melody
Ward and Sunrise Roses. Also Carnations.

Current Price List

AMERICAN BEAUTIES—		Per doz.		Per 100
48-inch stems		\$4.00	Sunrise	\$4.00 to \$8.00
48-inch stems		3.50	Roses, our selection	3.00
36-inch stems		3.00	Carnations	2.00
30-inch stems		2.50	“ Fancy	3.00
24-inch stems		2.00	“ Splits	1.00
20-inch stems		1.50	Harrisii	10.00 to 12.50
18-inch stems		1.25	Valley	3.00 to 4.00
12-inch stems		.75 to 1.00	Sweet peas	.75 to 1.50
Short		.50	Tulips	3.00 to 4.00
Richmond		Per 100.	Adiantum	1.00
Killarney	Select	\$6.00 to 8.00	Asparagus, per bunch	.50
White Killarney	Medium	4.00 to 6.00	Ferns, per 1,000	2.50
My Maryland	Extra select	10.00		
Wards				

2,000,000 Feet of Modern Glass

PETER REINBERG

30 E. Randolph St.,

**L. D. PHONE
CENTRAL 2846**

Chicago

G. Metrakos is now sole proprietor of the Madison Fruit and Floral Co.'s store on Madison and Clark streets, having purchased his employer's interests during the past week. Miss Anna Sigmund, who was formerly with Emil Jehlik and later with the Chicago Florist, has charge of the cut flower department, which is continually prospering under her able management.

The Paasche Air Brush Co., 9 South Clinton street, is manufacturing an adjustable spraying brush which is now being used by A. Lange in coloring his baskets and other floral supplies. Herbert Stone, Lange's head decorator, says that the sprayer is especially valuable because the baskets can be dyed any color wished for to harmonize with the flowers on short notice.

Mrs. Ida M. Latshaw, formerly proprietress of the Pueblo Floral Co. of Pueblo, Colo., has taken over the lo-

cal management of the Meredith Flower & Vegetable Co. Mrs. Latshaw has been in the business for many years and her practical knowledge will undoubtedly be a great asset to this enterprising company.

John Kruchten made a trip to Deerfield this week to see how the Deerfield Nurseries are getting along with their rebuilding. Henry Kruchten is again on duty at the store after a few days' illness.

The Lister Floral Shop, a new store, will open at 1008 West Belmont avenue on or about May 1. H. J. Lister, the proprietor, is a son-in-law of A. C. Kohlbrand.

Sam Pearce has purchased eight acres of ground on Higgins avenue in Jefferson Park where he will erect his new range of houses.

H. Wittbold reports that he is again receiving regular shipments of wild smilax which for a time were cut off by the recent floods.

August Lange and wife and son left April 6 for Omaha, Neb., where they will spend a few days with Mrs. Lange's relatives.

Kennicott Bros. Co.'s shipments of bulbous stock from Villa Ridge are unusually large and contain some very fine flowers.

H. Munson, who deals principally in boiler flues, is busy calling on the trade at present with good results.

Chas. W. McKellar's principal offering this week is a fine grade of catleya Trianae and C. Mossiae.

Weiland & Risch are featuring a fine line of novelties, principally snapdragons, gardenias and iris.

Kyle & Foerster are featuring fine sweet peas in quantity and also are strong on fancy carnations.

Emil Jehlik is building a conservatory above his store at 1825 South Ashland avenue.

SPECIAL NOTICE!

TO CUT FLOWER BUYERS:

Our range of greenhouses at Des Plaines, Ill., which was partially destroyed during the recent heavy storms has been repaired and we are again in position to handle all orders. At present we are particularly strong on all **Seasonable Cut Flowers**, especially **Roses** and **Carnations**, and would greatly appreciate your trial order. : : : : :

HOERBER BROS.

162 N. Wabash Ave. L. D. Phone, Randolph 2758, CHICAGO

The next regular meeting of the Florists' Club will be held at the Union Restaurant, West Randolph street, Thursday, April 10. The business of the evening will be the election of a secretary to fill the vacancy caused by the resignation of Wilder S. Deamud and to receive the report of the transportation committee. The good of the club committee will have an interesting report on publicity and F. W. Muncie of the State agricultural station will give an interesting talk on soil fertilizers. The club will discuss the ways and means of assisting brother florists who are suffering from losses sustained from the recent storms and floods, and the following applications will be read: Howard Wilter and Herbert Scharenberg, Morton Grove, and W. H. Hilton, 1461 East Fifty-first street.

Poehlmann Bros. Co. made a remarkable showing at the National Flower Show now being held in New York, winning first prize on the best vase of 100 American Beauty roses and first prize on the best vase of 50 American Beauty roses. This firm also won first prize on the best 25 Richmond, 50 Mrs. Taft, 25 Mrs. Taft and several second prizes on Richmond, Mrs. Aaron Ward and Melody roses.

J. F. Kidwell of the Chicago Flower Growers' Association says that the Wellworth Farm Greenhouses, which were damaged by the recent storm, are now all enclosed and that the glaziers completed their work on April 5. A carload of cypress intended for use in the repair work has been tied up somewhere south of the Ohio river by the recent floods.

Peter Pearson, 5732-5752 Gunnison street, is showing an exceptionally high grade of geraniums, principally S. A. Nutt. Mr. Pearson is in position to give a helping hand to the many in the trade who suffered by the recent

storm, and says he would be pleased to hear from any deserving grower who might care for some miscellaneous bedding stock.

Hoerber Bros. are easily filling all orders for roses and carnations and their range at Des Plaines, which was partially destroyed during the big blow, has been repaired with the exception of two houses that are a total loss. Fortunately this firm carried tornado insurance which offsets the loss on the structures considerably.

Wietor Bros.' tables are well filled with choice roses and carnations each day but the stock is moving well considering the trouble that is experienced in making certain shipments. N. J. Wietor, whose firm was a large exhibitor at the spring show, remarked that the exhibits especially in the plant line, were unusually fine this year.

The Southern Illinois Coal & Coke Co. are large operators in the Franklin county, Carterville field, producing approximately a million tons annually of this high grade coal. H. G. Weigle, their city salesman, is now paying particular attention to the florist trade and closing many nice contracts with the growers in this vicinity.

The George M. Garland Co. reports business running along very satisfactorily since the appointment of G. W. Whitney as trustee. Harry Garland has just closed a large contract for another range of houses to be delivered to O. C. Barber, of Barber-ton, O.

A. L. Vaughan & Co. received a letter from Mrs. Matthews at Dayton, O., which contained the sad news that her husband had lost everything in the recent flood and that the family was living on what Uncle Sam was distributing among the sufferers.

J. B. Deamud has returned from a visit to Saginaw, Mich., where his son, Wilder S. Deamud, is interested in a retail store. Mr. Deamud was sick

for a few days while he was in the Wolverine state but he is again on the job at the store busy as ever.

The body of a man washed ashore at Glen Arbor, Mich., last week, is believed to be that of one of the officers of the Rouse Simmons, the late Capt. Schuneman's Christmas greens schooner which is supposed to have foundered in a lake storm last winter.

The Geo. Wittbold Co. feels rather proud over the fine showing that it made at the spring flower show in the Art Institute last week when they won first prize on both Killarney and White Killarney roses.

Peter Reinberg is having a good run on Richmond roses now of which he is cutting quite heavily. Tim Matchen says trade at the Reinberg establishment is good, all things considered.

A. F. Pyfer is doing double duty for the Chicago Carnation Co. this week during the absence of Peter Olsen, who is attending the national flower show at New York.

A. T. Pyfer is doing double duty to take in the flower show last week. He says that he had a fine Easter trade and that business in his new store is booming.

Joseph Ziska's new cementine clock dial is proving to be a great success for nearly all of his customers are using it in preference to the old cloth ones.

A. Miller is soliciting advertisements for the convention album in this vicinity for the Twin City Florists' Clubs, St. Paul and Minneapolis.

Hunt Bros. are cutting some fine snapdragons of the same quality as those which they exhibited at the spring show last week.

A. L. Randall Co.'s traveling men are gradually starting out on their spring trips.

The E. C. Amling Co. is having a good run on sweet peas.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

-ROSES-

BIG SUPPLY OF CHOICE STOCK.

ALSO A FANCY GRADE OF

Carnations,

Valley, Violets, Tulips,
Sweet Peas, Lilies and
all other seasonable
Flowers and Greens.

Current Price List. Subject to change without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$2.00	1.50
Killarney.....per 100	8.00	6.00	5.00	4.00	3.00
White Killarney.....	8.00	6.00	5.00	4.00	3.00
My Maryland.....	8.00	6.00	5.00	4.00	3.00
Richmonds.....	8.00	6.00	5.00	4.00	3.00
Mrs. Aaron Ward.....	8.00	6.00	5.00	4.00	3.00
Sunburst.....	8.00	6.00	5.00	4.00	3.00
Carnations.....	4.00	3.00	2.00	1.50	1.00
Callas.....	12.50	10.00	8.00	6.00	4.00
Lily of the Valley.....	4.00	3.00	2.00	1.50	1.00
Violets, Extra fine single.....	1.50	1.00	75	50	30
Double.....	1.00	75	50	30	20
Sweet Peas.....	1.50	1.00	75	50	30
Jonquils.....	4.00	3.00	2.00	1.50	1.00
Tulips.....	4.00	3.00	2.00	1.50	1.00
Easter Lilies.....	12.50	10.00	8.00	6.00	4.00
Daisies.....	1.50	1.00	75	50	30
Asparagus Plumosus Sprays.....	4.00	3.00	2.00	1.50	1.00
Asparagus Sprenger Sprays.....	3.00	2.00	1.50	1.00	75
Mexican Ivy.....	.60	50	30	20	10
Smilax.....	16.00	12.50	10.00	8.00	6.00
Galax, Green and Bronze.....per 100C	1.00	75	50	30	20
Ferns.....	2.00	1.50	1.00	75	50
Boxwood.....bunch	.25	20	15	10	5
Adiantum.....per 100	1.00	75	50	30	20

A. L. Sifferman has bought the interests of the Kedzie Florist, 3401 West Madison street, formerly under the proprietorship of E. Leslie and H. Rowoldt.

S. D. Rosin and A. E. Turner, of Rosin, Turner & Co., at Moon, Wis., are in the city on business.

H. C. Blewitt of Des Plaines has completed the repairs to his damaged greenhouse.

C. J. Hess, an old-time gardener near Riverdale, passed away last week.

Pittsburg.

MARKET GLUTTED.

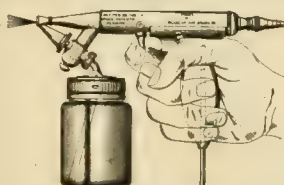
With the big flood past and good business resumed, we can now begin to look on the bright side of trade conditions. All flowers are coming in in quantity, and fully one-quarter of the flowers received by the wholesale houses are either thrown away or sold to the street fakirs, who are coining money as a result of the great glut. As Pittsburg depends mostly on local and eastern growers for its stock this city was not affected by consignments coming late, except violets and some American Beauty roses. Both calla and Easter lilies are very much in prominence. Easter lilies are not moving well. Lilac is very good for being so near the end of the season. Violets will also be over very soon. All kinds of stock for the past week has been offered at ridiculously low prices, and most of the retailers took advantage of it and stocked up heavily. Sweet peas are still coming very nicely and the quality is very good. There is a marked scarcity of smilax and adiantum, lots of this stock having to be bought out of town. Other greens though, such as sprengeri and plumosus is in abundance, much being thrown away. A very fine quality of

snapdragon is coming and finds ready sale. American Beauty roses are also fine in quality but do not take very well.

NOTES.

At the last meeting of the Pittsburg Florists & Gardeners' Club, Walter Breitenstein, of Randolph & McClements, gave a very interesting talk on color combinations. He had an immense collection of all kinds of plants of nearly all colors. He deplored the "pink and white" habit, which is the usual style of nearly every store and urges everybody to take advantage of and use the many pretty combinations which could easily be put to use. As Mr. Breitenstein says we ridicule the Dutch and the Italian bouquets but in reality we have much to learn from such work. Most all agreed with the speaker, and it is hoped that his good ideas will be carried out to some extent in the future.

This week's bowling schedule will find the McCallum Co. vs. A. W. Smith Co., and the Pittsburg Cut Flower Co. vs. J. B. Murdoch Co. The E. C. Ludwig team hasn't ventured across the river since that awful defeat of March 6. But we must say that Mr. Ludwig has a real champion baseball club.



Write for
Illustrated
Catalogue

Paasche "3-in-1" Air Brush

For applying paints, bronzes, enamels and liquids of all descriptions this brush has no equal.

Indispensable for Coloring Baskets

Tinting, Shading of flowers and foliage, Painting and Decorating Floral Supplies. The brush is instantly adjustable to turn from a fine line to any spray or effect wanted.

Paasche Air Brush Co., 3A, 9 S. Clinton St., Chicago

Mention the American Florist when writing

The McCallum Co. has put a new plant stand on the market, which the firm thinks is the best one out. This firm is pushing the wire business also, enjoying a good trade in tree guards, wire fence, trellis, etc.

The A. W. Smith Co. decorated all the windows of Joseph Horne Co., one of Pittsburg's finest department stores, with a heavy hedge of cut boxwood six feet in height recently. It attracted much attention.

Jos. Haube of Charleroi made a trip to Sharon to get his sister who was drowned. He had to use trolley lines, automobiles and steam lines to get there.

All the florists who visited the flower show at Schenley Park Easter Sunday say it far surpasses anything of its kind ever held in this city.

F. H. Westhoff is cutting some very fine Killarney roses at his De Haven plant. They are handled by the McCallum Co.

The Dennison Floral Co., of Uhrichville, is consigning roses and carnations to this market.

Karl Klinke has left the E. C. Ludwig Floral Co. for Detroit, where he expects to locate.

The South Hills Floral Co. is cutting heavily on carnations and roses.

FANCY ROSES IN LARGE SUPPLY

Also Carnations

Valley—Violets—Lilies—Sweet Peas—Tulips

And Seasonable Greens.

A. L. VAUGHAN & CO.

161 N. Wabash Ave.,

(NOT INC.)

L. D. Phone:
Central 2761

CHICAGO

All the Wheeling florists were hard hit by the flood, Arthur Langhans being compelled to leave his residence several days. Zane & Son report they lost everything and Miss Forbes had four feet of water in her residence which was one and one-half miles from the river. She pluckily stayed on the second floor all the time and put in her time making hot coffee, which was delivered by boats to her neighbors.

Ross Adgate, road agent for the McCallum Co., was marooned in Niles, O., several days and although he reports no damage to his father's range at Niles, he says his uncle's place at Warren (Adgate & Son) was entirely under water.

Visitors: Jos. Haube, Charleroi, Pa.; Jos. Thomas, Greensburg, Pa.; Wm. Deyoye, Oil City, Pa.; W. S. Kidd, Beaver, Pa.; Geo. L. Huscroft, Steubenville, O.; Julius Dilhoff, Schloss Bros., New York; F. J. Farney, Rice & Co., Philadelphia; Martin Reukauf, H. Bayersdorfer Co., Philadelphia.

J.

Cincinnati.

SHIPPING CONDITIONS STILL BAD.

The wholesale market in this city is still in a bad way. The railroads as yet are unable to bring shipments in from the north and west on anything like schedule time. The service is, however, getting to be very much better and if present reports are true the railroads should be bringing in stock regularly within a time that is only a matter of days. Business, though very much better than at the time of the last writing, is still not all it should be. The local demand is just picking up again, while shipping business is still very light. The rose supply is still very limited. Supplies from local growers are augmented by a few shipments from the south, principally Tennessee. The offerings comprise Pink and White Killarney, Richmond, Taft, Bride, Bridesmaid and Ivory, and a few of Mrs. Aaron Ward. The supply of carnations is really a little stronger than market needs require. Last Saturday, in order to clean up, many were sold at very low prices. The average quality of the stock is very high. Some very fine Easter lilies are coming in from local growers. Lily of the valley sells well. The supply is, however, very limited. Sweet pea offerings are good, but quite a number of them are short. The supply of greens of all kinds is adequate.

NOTES.

C. E. Critchell has been getting roses from the south for the past fortnight. Mrs. C. E. Critchell is in New York, attending the flower show.

O. R. ECKHARDT CO.

Wholesalers of Cut Flowers
and Florists' Supplies

St. Paul, Minn.

The Hill-Heller Co. received its first shipment for almost two weeks last Friday. It consisted of 21 boxes and came by parcel post.

Wm. Gardner, who was an enforced visitor for more than a week, has returned to New Castle, Ind.

E. G. Gillett went to Dayton last Thursday to help relatives who were caught in the flood there.

James P. Keller of Lexington, Ky., was a visitor last week.

H.

Washington.

BUSINESS SLOW.

The market is overstocked with carnations and roses. Business is slow and the season about over here. Carnations are bringing, the very best, only two dollars a hundred, while you get the very best Richmond, Killarney Radiance and Hillingdon roses for from eight to twelve.

NOTES.

Some of the stores look as though they would like to have Easter over again by the amount of stock they are carrying. Still they all claim they had a very good Easter but could have done a little more business on Sunday.

Washington is well represented at the flower show, as the delegation that left April 7 included every florist in the town who could possibly get away from business.

L. Jenkins & Sons are sending in some of the finest candytuft that has ever come into the local market.

G. C. D.

Chicago Bowling.

C. C. F. LEAGUE.

A double header was played on April 2 when all previous league records for the season were broken. John Zech made one score of 241 and Frank Ayres averaged 207 in three games. The Orchids rolled a score of 932 and the Carnations had a three game average of 865.

Team Standings.

	Won.	Lost.		Won.	Lost.
Roses	...40	32	Carnations	...34	38
Orchids	...37	35	Violets	...33	39

Kennicott Bros. Co.

Wholesale Cut Flowers

BOXWOOD—Extra Fine,
\$7.50 per case.

163-165 N. Wabash Av.

CHICAGO

L. D. Phone Central 466

Individual and team scores for games played April 2:

Violets.		Carnations.	
A. Hueb'r.	114 187 141	Lorman	...183 195 138
Jacobs	...121 161 157	Lieber'n	...158 139 158
Wolf	...186 165 169	Armstrong	...145 145 123
Schultz	...177 146 143	Ayers	...199 211 211
J. Hueb'r.	152 146 139	A. Zech	...195 168 227
Totals	...750 805 749	Totals	...880 858 857
Orchids.		Roses.	
Krauss	...135 172 191	Goerlich	...173 145 147
Graft	...148 175 169	Koehler	...153 137 173
Brost'm	...154 160 150	Byers	...136 150 208
Econ'p'lus.	96 164 181	Price	...184 124 212
Foerster	...202	Fischer	...149 179 172
J. Zech	...179 241	Totals	...795 785 912
Totals	...735 850 932		

Second Series.

Carnations.		Violets.	
Lorman	...174 179 170	A. Hueb'r.	149 138 217
Lieber'n	...152 152 138	Jacobs	...124 144 187
Armstrong	107 129 163	Wolf	...167 183 159
Ayers	...127 153 157	Schultz	...194 153 169
A. Zech	...166 227 169	J. Hueb'r.	178 145 165
Totals	...726 840 797	Totals	...812 763 897
Orchids.		Roses.	
Krauss	...139 201 149	Koehler	...185 128 160
Graft	...160 156 165	Sweeny	...173 220 156
Brost'm	...211 135 150	Byers	...146 191 169
Econ'p'lus.	152 171 155	Price	...184 160 212
J. Zech	...172 182 170	Fischer	...191 179 155
Totals	...834 845 789	Totals	...899 878 852

"The Busiest House in Chicago."

CUT FLOWERS

We are now receiving a large quantity of exceptionally fine cut flowers and can make you some very reasonable offers on large lots. We have everything seasonable but are particularly strong on **ROSES, CARNATIONS, SWEET PEAS, DAISIES, JONQUILS, LILIES AND CALLAS.**

QUANTITY

QUALITY

ORDER TODAY.

J. B. DEAMUD CO.

Phones Central 3155. 160 N. Wabash Av., CHICAGO
Auto. 44-389.

San Francisco.

BEST EASTER TRADE YET.

The Easter trade of 1913 was the best ever experienced by the florists in this city. Friday preceding Easter Sunday the weather was threatening and during the evening and until a late hour the rain fell in torrents. The outlook appeared gloomy and the spirits of the shopkeepers fell with the rain. Saturday was bright, however, and the misgivings of the previous evening were dissipated as the customers flocked in. Orders came in so fast many were forced to make hurried calls on the growers for more stock. On Sunday rain fell at intervals all day and while it made little difference to the downtown stores, in the outer districts cut flower sales were lessened thereby; still the district stores did well, the sale of baskets and potted plants on the day previous being much heavier than on other Easters. The feature this season was the remarkable increase in the sales of rhododendrons, fully 75 per cent more of them being sold than last season; a number of calls for Pink Pearl were not filled. Azaleas moved freely, Mme. Van der Cruyssen ruling favorite, despite the high retail price; the growers charged the trade \$5 and \$7 apiece for average plants. The call for begonias has waned of late and but few of the Lorraine variety were offered. Neither were cyclamen, nor hydrangeas in evidence as formerly. Birch boxes and baskets of tulips, hyacinths and primulas moved well, and flats of lily of the valley nicely dressed with matting and ribbon sold readily at good prices. Rambler roses were in good demand, the best sellers being respectively Dorothy Perkins and Juanita, the latter a new one sent in by the MacRorie & McLaren Co. Ericas were excellent, but the call being light of late, the stores did not stock up on them. Higher prices prevailed for lilies than the scarcity warranted. Nine dollars a dozen for pot plants was the average market price for stock mostly in 5-inch pots on 30-inch stems. The majority of the American growers sold all week at \$5 a dozen for cut stems, but the Japanese growers held out their stock until Saturday and forced the price to \$7 and got it, thereby raising the retail price. Many would-be purchasers refused to pay the high price, and while some stores cleaned up on lilies the majority had some left. It

PULLMAN EQUIPMENT

Pullman Equipment is essentially similar on all main lines of travel, but one finds the newest little refinements of service upon those lines which match it with their up-to-date Chair Car and Coach Equipment. Pullman builds the best cars, and the Chicago Great Western runs the best cars Pullman builds.

THE GREAT WESTERN LIMITED

the spotless steel train of solid Pullman Equipment leaves Chicago Grand Central Depot at 6:30 p. m., arrives St. Paul 7:30 a. m., Minneapolis 8:05 a. m. After theatre train leaves Chicago 11:00 p. m., arrives St. Paul 1:35 p. m., Minneapolis 2:10 p. m.

Chicago Great Western

A. L. Craig, G. P. A.

**1139 People's Gas Building,
Chicago.**

is generally conceded by the more conservative growers and retailers that even if stock is scarce the advanced price is productive of harm to the trade as prohibiting the popular use of flowers. Taken as a whole, pot plants were excellent and sold remarkably well. Outside of lilies and other white flowers the sale of cut stock in the downtown shops was of secondary importance. In the Mission district and the suburbs cut flower sales always predominate and the wet Easter day lost them some trade, still they complain only of the high price of lilies. During the week, with the exception noted, the price of all stock was uniform. Roses were fairly good, American Beauties bringing \$5 a dozen for best, other kinds \$3 to \$4 a hundred. Carnations were plentiful and moved well at \$2 a hundred. Lily of the valley in great quantity cleaned up at \$3 a hundred. Cattleyas were scarce,

the demand light. Phalaenopsis in abundance and grand blooms sold finely. In general, cut stock was good, plentiful and moved very well.

NOTES.

F. Schlotzhauer, Francis Floral Depot, says: "We had one-third more plants and baskets novelties this year and disposed of them all. Potted lilies are about all we have left."

Chas. Shellgrain, J. B. Boland Co.: "Topnotch. Greatest day we have ever seen. Just got in this load of rhododendrons and azaleas and they won't last the evening."

Angelo J. Rossi, Pelicano & Rossi Co.: "Excellent. The greatest day's trade we've ever had. Does our advertising pay? Our sales seem to prove that it does."

Arthur F. Lunberg opened a new store Easter week at 1725 Polk street.

RED AND BROWN Magnolia Leaves

75c Per Hamper

Choice stock. Guaranteed satisfactory. Standard size Hampers.
This SPECIAL OFFER is GOOD for a SHORT TIME ONLY

Order Your Supply Now==TO-DAY

H. WITTBOLD

56 East Randolph Street, CHICAGO, ILL.

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street L. D. Phone, Randolph 6578 CHICAGO, ILL.

St. Louis.

STOCK VERY PLENTIFUL.

The weather all week was stormy and not very springlike. Stock in general has been very plentiful. Carnations specially have been long and they have sold very cheap. Roses also are plentiful. Many shipments have been discontinued on account of the floods. Violets are fast coming to an end, their keeping qualities now being very poor. Sweet peas are very abundant and special sales on these flowers have been held all week.

NOTES.

Ant. C. Zvolanek will visit W. C. Smith of the W. C. Smith Wholesale Floral Co., and W. J. Pilcher, the Kirkwood violet specialist, on Mr. Zvolanek's return trip from New York to Lompoc, Calif.

The W. C. Smith Wholesale Floral Co. had an immense display of sweet peas and carnations Saturday. The automobile delivery service was moving all day.

Adolph and Gus Grop are now bringing in sweet peas and carnations. Their violets are about done after finishing a very successful season in this line.

The Diemer Floral Co. has its buyer at the market daily. This firm does an immense trade in artificial and fresh cut flower designs.

The St. Louis Seed Co., with the advent of more seasonable weather, is starting a heavy spring business in bulbs, seeds and shrubs.

The Florists' Club meets next Thursday, April 10. Owing to the busy season at this time the meeting at Shaw's Garden was postponed.

H. Young & Son's displays at both stores are very fine. Their mail order business for Easter and early spring was very heavy.

The Mullanphy Flower Co. and the Bentzen Floral Co. have their show windows filled with fine displays of spring plants.

The Metropolitan Floral Co. has a very pretty show window. It is al-

ways artistically arranged by Alex Genereous.

Joe Hauser's violets are still coming in and are of very good quality considering the lateness of the season.

Ostertag Bros. received very large consignments of California privet, which they very readily disposed of.

F. C. Weber has always some very prettily arranged windows. His stock of flowers is always of the best.

The Riessen Floral Co.'s windows were crowded with fine flowers and a large trade was done Saturday.

George Windler, Fred Bruenig, Jules Boardet and other plantmen are very busy with advance orders.

C. A. Kuehn has had a splendid display all week of high-grade flowers at reasonable prices.

The Muehler Wholesale Floral Co. seems to have a system of cleaning out each week.

Alex Siegel had a special sale all week—carnations, 15 cents a dozen.

Otto G. Koenig was among the successful candidates on the republican city ticket.

A. M. Augspurger, Peoria, Ill., has been making his brother a visit.

Werner Bros. are now bringing in their flowers by automobile.

Grimm & Gorly were moving this week and last.

Mrs. Richter is cutting some fine sweet peas.

W. F.

Tacoma, Wash.

BIG EASTER TRADE.

The Easter business, according to all reports, has been better than ever before. If we may judge from the increase in the cut flower business, Tacoma is certainly advancing at a great rate. An abundance of all kinds of cut flowers found a ready sale at prices practically the same as in former years. Easter lilies were demanded in excess of supply and the supply could be classed good, bad and indifferent. The extreme earliness of the day found every one trying every

Magnolia Leaves

Cycas Leaves
AMERICAN OAK SPRAYS
Ruscus

Write for samples.

OSCAR LEISTNER, 17 North Franklin Street
CHICAGO

Selling Agents for OVE GNATT Hammond, Ind.

Mention the American Florist when writing

plan to get them in bloom. The flowerers told the story—yet they were Easter lilies and they sold. Roses and calla lilies were somewhat scarce. Practically all roses were from California and very good in quality after the long trip. This season found a greater call for pot plants and while every one had a few left, they sold out practically all of them at several places of business. Carnations were demanded above all other cut flowers. The supply was great but the splits were in the majority. The sale of made-up baskets was much better than ever before. Those priced \$2 and up to \$4 were most called for. All kinds of bulbous flowers were plentiful—some in oversupply because of so many coming in from out doors blooming. Violets from California are still plentiful and had a great call. The day was suitable for the coming out of Easter suits and hats—warm and pleasant, so all flowers could be worn and handled without injury from weather conditions.

NOTES.

Mrs. Watson states that a larger trade was handled at both stores than at Christmas and more and higher priced plants were demanded. The family has the sympathy of the trade in the sad accident that befell the daughter, Marie, who was very seriously burned in a gasoline explosion.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

68 E. Randolph Street,

Phone Central 7720.

CHICAGO

Everything in Cut Flowers and Supplies.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids, Violets and Other Seasonable Stock.

Long Distance Phone
Central 3598.

We have a big supply of
Mexican Ivy
and a surplus of choice
MAGNOLIA LEAVES.

H. WITTBOLD

56 Randolph St., CHICAGO
Phone Randolph 4708

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

ZECH & MANN

Wholesale Florists

Room 218, 162 N. Wabash Av., Chicago

Telephone, Central 3284.

Mention the American Florist when writing

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS

Our Specialties.

Mention the American Florist when writing

She was in charge of the store at the public market constantly up to the time of the accident.

At the Smith Floral Co., 1116 South C. street, every one was busy and emphasized the fact that Easter trade this year was much better than ever before. Practically all their stock was from their own growing and everything sold out with the exception of the smaller pot plants in bloom.

The California Florists had the largest Easter trade in their history. Many large funeral orders were supplied and some beautiful designs of large size were delivered.

S. L. H.

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers
at Lowest Market Prices.

30 E. Randolph St., CHICAGO

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

	CHICAGO, April 9.	Per doz.
Roses, Beauty, specials.....		\$4 00
" " 36-in.....		3 00
" " 30-in.....		2 50
" " 28-in.....		2 00
" " 15-20-in.....	1 25@	1 50
" " 12-in.....		75
" " Short.....		Per 100
" Killarney.....		4 00@10 00
" White Killarney.....		4 00@10 00
" Richmond.....		4 00@10 00
" Prince de Bulgarie.....		4 00@12 00
" Radiance.....		4 00@12 00
" My Maryland.....		4 00@10 00
" Melody.....		4 00@12 00
" Mrs. Jardine.....		4 00@10 00
" Lady Hillingdon.....		4 00@12 00
" Sunburst.....		4 00@12 00
Carnations.....		1 00@ 3 00
Daffodils.....		3 00
Cattleyas.....per doz., 6 00@		7 50
Gardenias.....		2 00@ 4 00
Lilium Harrisii.....		10 00@12 50
Violets.....		50@ 1 00
Valley.....		3 00@ 4 00
Sweet Peas.....		1 00@ 1 50
Adiantum Croweanum.....		1 00
Boxwood.....per lb.,		25
Ferns.....per 1000, 2 00@		2 50
Galax.....		1 25
Leucothoe.....		75
Mexican Ivy.....per 1000, 5 00@		6 00
Plumous Strings.....each, 50@		60
Smilax.....per doz., 2 00@		2 50
Sprengeri, Plumous Sprays.....		3 00@4 00

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond, Killarney and White Killarney roses. All orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing

Wietor Bros.

Wholesale **CUT FLOWERS**
Growers of

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

Chicago Carnation Co.

Wholesale Florists,

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

Mention the American Florist when writing

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing



C.C. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

Green Sheet Moss

For lining hanging baskets, for decorating
show windows, for covering soil on pot
plants, etc. 1 Bale (5 bundles).....\$1.25
5 bales (25 bundles)..... 6.00

GEO. H. ANGERMUELLER,

Wholesale Florist. ST. LOUIS, MO.

Mention the American Florist when writing

Philadelphia.

BUSINESS VERY QUIET.

Business the past week has been quiet and very "draggy" and prices have been low. The feature of the week was the American Beauty rose which has come on the market in such quantities that all efforts to get a uniform price have failed and sales are made at buyers' figures. Good long stemmed stock has sold as low as \$1.50 a dozen, which, when the price of three weeks ago is remembered, seems ridiculous. The quality of the stock offered is all that could be desired. Roses, carnations, snapdragon are exceptionally fine. Sweet peas are an exception in that for some reason the crops have been off, but they became more plentiful on Friday and Saturday. Easter lilies and Calla lilies have dropped away down, there being so little demand. The street men have been very active and handled quantities of stock. It seems that people will buy flowers if they happen to see them offered at what appears half price or less.

NOTES.

Quite a number of florists visited the show Sunday. Among the visitors were the following: George Craig, Wm. Klineheintz, Paul Heubner, John Kuhns, Alfred M. Campbell, Charles Grakelow, Jos. G. Neidinger, Robert Shock, Philip Freund, Otto Thilow, E. W. Gaehring, S. O. Skidelsky, A. B. Cartledge, Morris Hoffman, Wm. Prevail, Eugene Michell, A. Stroklein. All report it to be a grand exhibition.

The National Flower Show at New York has aroused considerable interest and many exhibits have been made from this city. Wm. Robertson, Wm. Batchelor and John Dodds have taken an immense lot of plants from their various collections, which have been entered in the competitive lists.

The Leo Niessen Co. is a busy place these days, as much stock is coming in. Mr. Niessen, however, appears to know just where a demand is likely to spring up. In fact, he knows the market and keeps the balance even by up-to-date methods.

Edw. Reid is handling American Beauty roses in large quantities. "They come in now in quantities and we move them. We make the price attractive and yet we don't give them away," Mr. Reid says.

The M. Rice Co. is busy with Memorial day business, which is coming to them from all directions.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, April 9.	Per 100
Roses, Beauty, extra.....	50 00@60 00
" " first.....	20 00@35 00
" " Brides and Maids.....	4 00@12 00
" " Killarney.....	4 00@15 00
" " White Killarney.....	4 00@15 00
" " Liberty.....	6 00@15 00
Carnations.....	3 00@5 00
Cattleyas.....	35 00@50 00
Daffodils.....	2 50@ 3 00
Freesias.....	3 00@ 600
Gardenias... per doz.....	1 00@ 2 00
Lilium Harrisii.....	8 00@12 00
Lily of the Valley.....	3 00@5 00
Calla Lilies.....	10 00@12 00
Marguerites.....	1 50@ 3 00
Snapdragons.....	10 00@20 00
Sweet Peas.....	75@ 1 50
Violets, single.....	75@ 1 00
" " double.....	75@ 1 00
Asparagus..... per bunch.....	50
Tulips.....	2 00@ 4 00

PITTSBURG, April 9.	Per 100
Roses, Beauty, special.....	50 00
" " extra.....	30 00
" " No. 1.....	15 00
" " Killarney.....	3 00@10 00
" " My Maryland.....	3 00@10 00
" " Richmond.....	3 00@10 00
Carnations.....	3 00
Calla Lilies.....	12 00
Freesias.....	3 00
Gardenias.....	3 00
Daisies.....	2 00
Cattleyas.....	50 00
Violets.....	50@ 75
Sweet Peas.....	75@ 1 00
Lilium Longiflorum.....	12 00
Lilium Rubrum.....	8 00
Lily of the Valley.....	4 00
Daffodils.....	3 00
Tulips.....	3 00
Paper White.....	3 00
Romans.....	2 00
Poeticus Narcissus.....	1 00
Oncidium.....	4 00
Lilac..... per bunch.....	\$1 00
Asparagus Sprengeri, per bunch.....	35@40
Sprays..... per bunch.....	35@40

MILWAUKEE, April 9.	Per 100
Roses, Beauty, per doz.....	2 00@5 00
" " White and Pink Killarney.....	3 00@ 8 00
" " Richmond.....	3 00@ 8 00
Carnations.....	1 50@ 3 00
Callas..... per doz.....	8 00@10 00
Easter Lilies.....	6 00@10 00
Lily of the Valley.....	3 00
Sweet Peas.....	50@ 1 00
Tulips.....	2 00@ 3 00
Trumpet.....	2 00@ 3 00
Violets, Wisconsin grown.....	50@ 75
Asparagus..... per string.....	50
" " Sprengeri, per bunch.....	35
Ferns, fancy..... per 1000.....	\$2 50

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

Easter Lilies, Tulips, Daffodils, Violets,
all the popular roses. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist.

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., Both L. D. Phones. ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Best Beauties--100, \$25.00.

¶The best in quality that you will find anywhere. We have the largest supply of Beauties in this market and can supply them in any quantity.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Berger Brothers, like all the rest, are moving stock in large quantities. Reasonable prices is the slogan. Sell them cheaper and sell them fast is their advice to their customers. K.

Boston.

CONDITIONS SLIGHTLY IMPROVED.

Trade conditions are somewhat improved from last reports, although the volume of business is not up to the standard. Still there is a slight gain. There is plenty of stock and prices are low enough to create a good volume of trade.

NOTES.

A new association has been formed in Boston to be known as the Boston Florists' Club. The purpose of the newly-formed club is to better the conditions of the retail florists in this city. Thirty-five of the leading florists assembled Wednesday night at the City Club and a permanent organization was formed. Officers elected were: Henry Penn, president; Henry R. Comley, vice-president; J. A. Zinn, treasurer; B. H. Green, secretary. A committee of five, consisting of N. Silverman, B. H. Green, Henry R. Comley, M. Wax and W. Penn, was appointed to draft by-laws for the new organization. Henry Penn acted as toastmaster at the banquet which followed. This makes three separate clubs we now have in this city—the Gardeners and Florists' Club, the Horticultural Club and the new Florists' Club. It seems to us that one live club is all that is needed, and such a club could handle things better than having things split into so many units. We welcome the club if it is going to help the flower business. The men appointed are good live wires, and know their business and just what is required to help the trade. They are expected to inject some ginger into the club and we hope it will prove a success.

The show of the Co-operative Flower Market on Park street promises to be a good one and there are some good prizes in cash, cups and other valuable things. MAC.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, April 9.		
Roses, Beauty, special.....	per doz.,	\$4 00
" " fancy.....	" "	3 00
" " extra.....	" "	2 00
" " No. 1.....	" "	1 00
" " No. 2.....	" "	50¢ 75
Per 100		
" Maid and Bride.....		3 00@ 6 00
" Pink Killarney.....		3 00@10 00
" White Killarney.....		3 00@10 00
" Richmond.....		5 00@10 00
" My Maryland.....		3 00@ 8 00
" Aaron Ward.....		4 00@ 6 00
" Kaiserin.....		4 00@ 8 00
" Carnot.....		4 00@ 3 00
Carnations.....		1 00@ 2 50
Lilium Longiflorum.....		10 00@12 00
Lily of the Valley.....		3 00@ 4 00
Pink Japan Lily.....		3 00@ 5 00
Narcissus.....		2 00@ 3 00
Jonquils.....		2 00@ 3 00
Violets.....		40¢ 60
Mignonette.....		2 00@ 4 00
Daisies.....		1 00@ 1 50
Sweet Peas.....		50¢ 1 00
Asparagus, per bunch.....	35¢	50
Asparagus, Sprengerii.....	35¢	50
Ferns.....	per 1000,	\$2 50
Galax.....	per 1000,	\$1 50
Smilax.....		15 00

BOSTON, April 9.		
Roses, Beauty, best.....	25 00@30 00	
" " medium.....	12 00@20 00	
" " culls.....		4 00
" White and Pink Killarney	2 00@ 6 00	
" " Extra.....	4 00@ 8 00	
" Taft.....	4 00@10 00	
" Cardinal.....	2 00@10 00	
" Ward and Hillingdon.....	2 00@ 8 00	
" Killarney and Richmond.....	2 00@ 8 00	
" My Maryland.....	2 00@ 8 00	
Carnations, select.....	2 00@ 3 00	
Callas.....	8 00@12 00	
Cattleyas.....	25 00@40 00	
Gardenias.....	12 00@25 00	
Lilium Longiflorum.....	8 00@10 00	
Lily of the Valley.....	2 00@ 4 00	
Sweet Peas.....	50¢ 75	
Smilax.....	12 00@16 00	
Violets, single.....	35¢ 75	
" double.....	25¢ 50	

CINCINNATI, April 9.		
Roses, Beauty.....	per doz.,	\$1 00@ \$4 00
Per 100		
" Bride, Bridesmaid.....		3 00@ 8 00
" Killarney.....		3 00@ 8 00
" My Maryland.....		3 00@ 8 00
" Perle.....		3 00@ 8 00
" Richmond.....		3 00@ 8 00
" Taft.....		3 00@ 8 00
Carnations.....		3 00@ 4 00
Callas.....		10 00@12 00
Lilium Giganteum.....		10 00@12 00
Lily of the Valley.....		3 00@ 4 00
Orchids.....	per doz.,	4 00@ 6 00
Tulips.....		2 00@ 4 00
Jonquils.....		2 00@ 3 00
Dutch Hyacinths.....		3 00@ 4 00
Spanish Iris.....		4 00
Violets.....		50¢ 1 00
" double.....		50¢ 75
Sweet Peas.....		35¢ 1 00
Asparagus Plumosus.....	per bunch,	25



Give Us a Trial
We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO., Wholesale Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.

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Special attention given to Shipping Orders

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Price List on Application.

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Phone Main 4598.

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34-36 Third Ave. East, CINCINNATI, OHIO
Wholesale Commission Florists
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

St. Louis, April 9.		
Roses, Beauty, long.....	per doz.,	4 00
Roses, Beauty, medium.....		8 00@15 00
Roses, Beauty, short stems.....		3 00@ 6 00
" Killarney.....		3 00@ 6 00
" My Maryland.....		3 00@ 6 00
" White Killarney.....		3 00@ 6 00
Carnations.....		1 00@ 2 00
Lilium Rubrum.....		8 00
Valley.....		4 00
Violets.....		40¢ 60
Sweet Peas.....		20¢ 60
Asparagus Sprengerii.....		2 00@ 3 00
Asparagus Plumosus, per bu.,	35¢@60	
Ferns, New, Fancy.....		1 75
Galax.....	per 1000,	1.25

New York.

FLOWER SHOW BIG ATTRACTION.

The Flower Show has for the present eclipsed the glories of the wholesale district. The fact that business in cut flowers was very dull during the past week, gave the wholesalers and their assistants more time for the show. The supply of cut flowers during the past week did not seem to be so heavy as on the previous week, but there was a surplus, and prices were very low.

Monday, April 7.—The least said about the condition of the market the better. The flower show overshadows everything else and both wholesalers and retailers are being cheered up by visits from numerous visiting florists. The show opened with very favorable conditions and with a large attendance. An immense number of people visited it Sunday, April 6. This, too, when the weather was very chilly and disagreeable, with occasional flurries of snow. Since Sunday the western people have been pouring in and all indications point to a great attendance. This is Rose Day and fine stock is being staged.

A. F. F.

Early New York Florists.

One of the older florists, recently recalling the flower trade of this city in the sixties said that business was better then than now. He cited the prices paid for large decorations in those days as being higher than now. From the difficulty experienced in securing flowers, it would naturally seem to be the case. Men would be started very early in the morning and cross the Hudson to New Jersey, and then in some instances take the stage, until they reached the greenhouses. They were not always fortunate in securing flowers but in any event it was near noon before they got back to New York. Nearly all the New York florists had at that time small greenhouses and gardens of their own. A florist who's advent into the business in this city seems to have been at a date beyond the memory of any one now in the trade, was Isaac Buchanan, who was located on Seventeenth street, west of Broadway. There are men now in the business who worked for him but nobody seems to remember just when he came here. Some think that it was he that erected the first greenhouse in this city. He seems to have been a prosperous florist, as it is said that he owned and lived in a four-story brownstone residence.

David Clarke, whose sons continue the business which he founded, came here in 1849 and immediately started in business for himself, eventually locating on what is now Broadway, but was then called the Bloomingdale road. J. N. Hauser located on what is now Fifth street. His sons are yet active in the business. Thomas Bridgeman was both a florist and seedsman on Eighteen street and the name "Bridgeman's Seed Warehouse" has existed for business purposes until a very recent date. John B. Nugent had greenhouses at Fourteenth street and Second avenue. He is the father of John B. Nugent, Jr., the senior member of the firm of Young & Nugent, and is now an aged man.

Others of the old florists were Hauff Bros. This firm still exists, formerly located at Broadway and Third street; D. Wilson, Fourteen street east of Sixth avenue; Klunder & Long, N. E. corner of Broadway and Second street; Wm. Brower, Broadway and Twenty-third street. Other florists of former days of whom little is now remembered were, Buist, Gablesen, "Scotchby" Reed and Riddit. It would indeed be a novelty to find a greenhouse and gar-

To All Nurserymen, Seedsmen, Etc.

In Case You Need Someone to
Dispose of Your Surplus Stock
Call or Communicate With

C. C. TREPEL,

Care of Bloomingdale Bros.,

59th Street and 3rd Avenue,
New York City.

'PHONE 5900 PLAZA.

den at the present time at the places they were found fifty years ago.

The "wholesale store" of those days was a basket or a box with a strap attached for convenience in carrying. We hear much complaint at present of low prices and poor business, but harking back to the old days we believe that many of our present day florists do not realize how well off they are. If there were no other considerations, the multiplication of facilities for doing business is a great compensation for an occasional surplus. We would say that the actual labor is but as child's play, compared to what it was in the earlier years of the flower industry.

A. F. F.

Cleveland.

DEMAND INCREASES.

An increased demand the past week was noticeable, but roses, carnations and lilies are piling up very rapidly despite this. Sweet peas are in good supply, but only about equal to the demand, which is very good. Lily of the valley has been scarce. String smilax arrives in only limited quantities. American Beauty roses with 36-inch and 42-inch stems are beginning to arrive and the outlook is very promising for a good supply all summer.

NOTES.

Never before in its history has the Wilson Floral Co. done the business here in Easter flowers it did this year. Since C. B. Knuth has moved to Euclid, Ohio, and Fred Aull of East 105th street is out of business, there is no store within several miles and the territory around the Wilson store is booming as no other section of the city. Most of Mr. Wilson's stock was handled by A. C. Fox of 672 East 105th street and a local pharmacy. The Wilson firm will no doubt open a retail store in connection with its greenhouses in the near future, as their retail business is growing to such an extent that they are unable to do justice to the work with their present facilities. The Cleveland Florists' Exchange is handling most of their stock, which is grown for the wholesale market.

Is the primrose, favorite flower of poets, to be legislated out of existence in this city because it causes a skin disease like that produced by poison ivy? Health Officer Friedrich was asked by a florist to take some action toward prohibiting the sale of this flower here. The florist exhibited his hand and showed the blotches produced by the handling of the plant. The health officer did not think the plant affected everyone that way, and said employees in greenhouses should protect themselves.

Wm. A. Smith, West Madison avenue, Lakewood, is again cutting Bride and Bridesmaid roses, also some fine forget-me-nots.

John Deveas, who has a flower stand in the Colonial Arcade, has bought part interest in a downtown restaurant. C. F. B.

Albany, N. Y.

Albany was represented this week at the National Flower Show in New York by a fair delegation. Among those who attended were: Harry G. Eyres, who was one of the judges; Fred A. Danker, Frederick Goldring, Fred Henkes, Edward F. Meany, Edward P. Tracey, Thomas F. Tracey, Samuel Hasson, Henry P. Schaefer, Edward Keefe, John J. Haggerty, and Frank R. Bilson.

At the April meeting of the Albany Florists' Club F. Goldring, chairman of the publicity committee, reported that the Easter business was the best the Albany florists had probably ever enjoyed. A part of the gratifying result, the committee believed, was due to the insertion of a joint advertisement early in Easter week in two of the local evening papers, calling attention to the value of flowers for Easter decorations. A committee made up of Edward F. Meany, Fred Goldring, Louis H. Schaefer, Thomas F. Tracey and R. Davidson was named to revise the constitution and by-laws. The same committee was instructed also to look over the list of delinquent members and recommend revision with a view to dropping those who are a year or more behind in their dues.

R. D.

MAX SCHLING extends his
cordial thanks to the numer-
ous business associates and
friends who visited at his store,
22 West 59th Street, during
exhibition Week. : : :

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FOR CUT FLOWERS: in two colors on gummed paper;
your card, etc., in black and leaf adopted by the S. A. F. in red
Price per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago

S. S. Pennock-Meehan Co.

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.



N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Geo. C. Siebrecht

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Wholesale Florists

Removed to 102 W. 28th St., New York

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18 Years Experience.

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

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119 West 28th Street NEW YORK

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Wholesale Flower Markets

	New York, April 9.	Per 100
Roses, Beauty, special.....	12	90@20 00
" " extra and fancy ..	5	60@10 00
" " No. 1 and No. 2...		50@ 2 00
" " Bride, Bridesmaid special. 1	00@	5 00
" " extra and fancy.....	2	00@ 3 00
" " No. 1 and No. 2.....		50@ 1 00
" " Killarney, My Maryland...		
" " special.....	5	00@ 6 00
" " extra	3	00@ 5 00
" " No. 1 and No. 2		50@ 2 00
" " Queen, special. 7	00@	9 00
" " Red, special... 7	00@	9 00
" " Hillingdon, Aaron Ward. 5	00@	8 00
" " Richmond.....	5	00@ 8 00
" " Sunburst, special.....	3	00@10 00
" " Taft, special.....	9	00@12 00
" " Mrs. Geo. Sawyer, special. 12	00@	15 00
Carnations.....		50@ 2 00
Jonquils.....		50@ 1 00
Cattleyas.....	25	00@30 00
Gardenias.....	10	00@20 00
Tulips.....		50@ 1 00
Lilies, Longiflorum and Harrisii ..	5	00@ 6 00
L. Rubrum.....		150@ 5 00
Lily of the Valley.....	1	00@ 3 00
Sweet Peas, per doz. bunches. 50	@	1 00
Violets.....		10@ 20
Adiantum Croweanum.....		150@ 50
Asparagus Plumosus... doz. bchs. 1	50@	3 00
Smilax..... per doz. strings. 1	00@	1 25



HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

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113 W. 28th St., NEW YORK.

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WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.

EVERYTHING FOR

Decoration Day, Commencements, Weddings

M. RICE CO, LEADING FLORISTS' SUPPLY HOUSE, : : 1220 Race Street PHILADELPHIA, PA.

Clean Sphagnum Moss

10 Burlap Bales . . . \$13.50
10 Wired Bales (large) . . . 11.00

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George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

We are now filling orders for

Southern Wild Smilax

Price, \$3.00 per case

E. A. BEAVEN, Evergreen, Ala.

Mention the American Florist when writing

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,

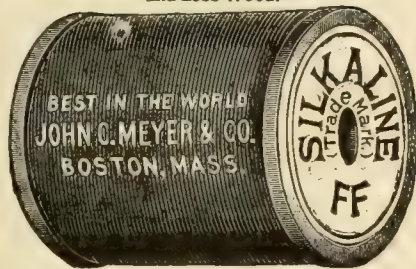
713-717 Milwaukee Ave., CHICAGO

PORTLAND, IND.—A joint meeting of the Indiana State Florists' Association and the Northern Indiana Florists' Association will be held at W. Frank & Sons, this city, April 16, 1913. Everyone connected with the trade is cordially invited to come and bring his wife or friend.

MINNEAPOLIS, MINN.—Because Nickolas Carajonis, a local florist, trusted a new employee, he is out \$1,100. The man took the money ostensibly to put it in a bank, but failed to do so and has not been seen since. He gave Mr. Carajonis the name of Gus. Koon-takes when he asked for work.

LOMPOC, CALIF.—Ant. C. Zvolanek, the sweet pea specialist who is attending the flower show in New York will return about May 1. Mrs. Zvolanek and their youngest son will return with him and they will make their home here. The eldest son will remain to care for the Boundbrook, N. J., business.

Do Not Take Any Fake Green Thread. Use the Genuine Silkline and Get More Thread and Less Wood.



JOHN C. MEYER THREAD CO.,

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes

The MEYER Green

SILKLINE

Used by Retail Florists for mossing funeral designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it will not fade or rot in the greenhouse. The Meyer Silkline was the first green thread to be introduced among Florists and Growers. It is handled by the best houses everywhere, but it should be ordered by name—Meyer's Silkline—to be sure of getting the genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the manufacturers. Price for any size or color, \$1.25 per lb. Sizes "F" fine, "FF" medium, and "FFF" coarse

Lowell Thread Mills, Lowell, Mass.
1495 Middlesex St., Lowell, Mass.



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze, Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

SPHAGNUM MOSS

"The Jersey" kind; Burlapped; selected stock. Ten Barrel Bales, 1 bale, \$3.80; 5 bales, \$3.60 ea.; 10 bales, \$3.40 ea.; 25 bales, \$3.20 each. 5% off cash with order.
LIVE SPHAGNUM, \$1.25 per bale.
ROTTED PEAT, 60c each.
E DEAL J. H. SPRAGUE Barnegat, N. J.

Nothing Can Improve on Nature

1886 1913
Southern Wild Smilax in limited quantities, in the standard sixteen cubic foot cases, \$3.00 per case.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN,

ALABAMA.

MOSS

We have a surplus of 12 barrel bale New Jersey Moss, clean, fresh and burlapped, and will deliver anywhere in Chicago, express prepaid, at \$5.00 per bale 2 or more bales at \$4.75. By freight collect at 25c per bale less. Satisfaction guaranteed or money refunded.

KLEHMS' NURSERIES,

Arlington Heights, Ill.

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST Co.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schnyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.
Published and For Sale by the

American Florist Co., 440 S. Dearborn St.
CHICAGO
PRICE, ONE DOLLAR, POSTPAID.

GOLDFISH

"Something Alive in the Window"

Catches the public eye.
Order your supply now.
\$3.00 per 100 and up.

Write for catalog

AUBURNDAL GOLDFISH CO.

920 W. Randolph Street, CHICAGO



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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

NEW YORK.

Established 1849

David Clarke's Sons,

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2139-2241 Broadway

Telephones:

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Choice Cut Flowers.

DULUTH, MINN. 2 STORES 2 SUPERIOR, WIS.

J. J. LEBORIUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

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Established in 1857.



739 Buckingham Place.

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Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY



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3 and 5 Greene Ave., Phone 6800-01-02 Prospect.
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Greenhouses: Short Hills, N. J.

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NEW YORK, LONG ISLAND and NEW JERSEY.

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John G. Heini & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail,
Telephone, Telegraph and Cable orders with
best quality stock in season

Mention the American Florist when writing

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.

Steamship Sailings.

April 15.

Ryndam, Holland-America, 10 a. m.
Grosser Kurfuerst, North Ger. Lloyd, 10 a. m.

April 16.

Campania, Cunard.

April 17.

FROM PORTLAND, Scandinavia, Allan.
FROM ST. JOHN, Sicilian, Allan.
Campanella, Uranium.
Baltic, White Star, 12 noon.
Pretoria, Ham-Am., 3 p. m.
FROM ST. JOHN, Cassandra, Donaldson.

April 18.

FROM ST. JOHN, Empress of Britain, Can.
Pacif., 12 noon.
St. Paul, American, 10 a. m., Pier 62, North
River.

Gaika, Barber.

April 19.

Caledonia, Anchor, S a. m., Pier 64, North
River.
Perugia, Anchor, Pier 64, North River.
Zeeland, Red Star, 10 a. m., Pier 61, North
River.

Majestic, White Star, 12 noon.
FROM PORTLAND, Canada, White Star-Dom.,
10 a. m.

America Navigazione, Pier 74, North River.
George Washington, North Ger. Lloyd, 10 a. m.
Czar, Russian-American, 2 p. m.
Vandyck, Lamport & Holt, 1:30 p. m.

April 22.

Cynric, White Star, 12 noon.
Rotterdam, Holland-America, 10 a. m.
Kaiser Wilhelm der Grosse, North Ger. Lloyd,
10 a. m.

April 23.

Mauretania, Cunard.
Oceanica, Austro-American, 1 p. m.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

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any part of the United States, Canada
and all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Reference or Cash must accompany all orders
from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

Memphis, Tenn.

HAISCH'S

87 Madison Avenue

L. D. Phone 726

All orders filled carefully and promptly deliver-
ed in Memphis and all the adjoining states,
Arkansas, Mississippi, Alabama and Tennessee.

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater
orders. Prompt delivery and best
stock in the market.

Dallas, Texas.

The Texas Seed and
Floral Company

Orders for cut flowers and designs solicited for
delivery in any part of Texas.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.
Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery
Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Boston, Mass.



"Penn, The Telegraph Florist"

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Roland, J. B., San Francisco.
Rowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
California Florists, Tacoma, Wash.
Carbone, Philip L., Boston.
Clark's Sons, New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, H. N., Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Haisch's, Memphis, Tenn.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthewson, J. E., Sheboygan, Wis.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McClunie, Geo. G., Hartford, Conn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Ostertag Bros., St. Louis.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pelicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Phillips Bros., Newark, N. J.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Portland Flower Store, Portland, Me.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Wills & Segar, London, England.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON
D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

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Denver, Colo.

The Park Floral Co.

J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

PELICANO, ROSSI & CO.,

123 KEARNY ST.

Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Mention the American Florist when writing

M. C. Rowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Portland, Maine.

**Floral Designs and
Choice Cut Flowers**

Portland Flower Store

631 Congress St.

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE

Montreal

McKenna

Cor. St. Catherine and Gay Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

FLOWER COLORS

Use our Color Chart in describing them.

PRICE, \$1.00, POSTPAID.

AMERICAN FLORIST CO.

440 South Dearborn Street, CHICAGO

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

**City Index to Retail Florists'
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Penn. the Florist, 43 Bromfield St.
Boston—Philip L. Carbone.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Hartford, Conn.—Geo. G. McClunie.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Memphis, Tenn.—Haisch's.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio.—Chas. A. Duerr.
Newark, N. J.—Phillips Bros.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Portland, Me.—Portland Flower Store.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
Sheboygan, Wis.—J. E. Matthewson.
St. Louis, Mo.—Ostertag Bros.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pelicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archibalds Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Heintz & Son.
Tacoma, Wash.—California Florists.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Blackstone.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in

NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.

Jefferson and Washington Ave.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on telegraphic order.

11 NORTH PEARL STREET

Toronto, Can.

Canada's best known and most reliable florist

Only the Best Dunlop's
98 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Michigan.

Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of **GRAND RAPIDS**

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Wire, Write or Phone West 822
Member Florists' Telegraph Delivery,
Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heisl)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

Boston, Mass.

Philip L. Carbone

IMPORTER

Florist and Decorator

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

PHILIPS BROS, 938 Broad St.

NEWARK N. J.

Artistic Floral Work and Long Stem
Beauties Our Specialty.

Hartford, Conn.

GEORGE G. McCLUNIE

187 Main Street

'FLOWERS' Your Orders Solicited

My Only Store. Phone Charter 6535-2

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone
orders.

Tacoma, Wash.

California Florists

will take care of all telegraphic orders.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

Louisville, Ky.

F. Walker & Co.,
FLORISTS

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

Mention the American Florist when writing

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838—CANAL ST.

Mention the American Florist when writing

Washington, D. C.

Blackstone

14th and H. Street.

Mention the American Florist when writing

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries
throughout the state and to all steamship docks
in Hoboken, N. J., and New York.

Mention the American Florist when writing

For Wisconsin Delivery

—OF—

"HOME GROWN FLOWERS"

Get in touch with

J. E. Matthewson

SHEBOYGAN, WISCONSIN

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Choice Plants

Large Supply of Fine Decorative Plants, Palms and Table Ferns.
Send all orders direct to plant department.



Ficus Pandurata, strong, 6-inch \$3.50 each
Ficus Elastica, strong, 6-inch 75c to \$1.00 each
Dracaena Massangeana, well colored, 6-inch, \$1.00 to \$1.75 each
Pandanus Veitchii, highly colored, 5-in., \$1.00 each;
 6-in., \$1.50 each; 7-in., \$2.50 each

Palms

Kentia Forsteriana and Belmoreana, all sizes from 4 to 12-inch
 tubs in fine condition. Fine decorative stock ranging in price from
 35c to \$15.00 per plant. Write for complete Price List.

Table Ferns--10 Varieties

2½-in. pots, \$3 50 per 100; \$30.00 per 1000.
 3-in., strong, \$6.00 per 100; \$55.00 per 1000

Pansies

Strong transplanted seedlings for early blooming,
 choice strain, \$5.00 per 1000

POEHLMANN BROTHERS CO.
MORTON GROVE Plant Department **ILLINOIS**

CARNATIONS

Rooted Cuttings, Season 1913.

Ready Now.

	Per 100	Per 1000
Rosette.....	\$6 00	\$50 00
St. Nicholas	6 00	50 00
Benora.....	6 00	50 00
Gloriosa.....	4 00	30 00
White Wonder.....	3 00	25 00
White Perfection.....	3 00	25 00
White Enchantress.....	3 00	25 00
Enchantress.....	3 00	25 00
Rose Pink Enchantress.....	3 00	25 00
Scarlet Glow.....	3 00	25 00
Mrs. C. W. Ward.....	3 00	25 00
Bonfire.....	3 00	25 00

Rooted Cuttings Our Specialty. Fine stock:
 even size; well rooted cuttings.

F. DORNER & SONS CO.
 LA FAYETTE, IND.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
 BROOKLYN N Y

MONTREAL, QUE.—James McKenna,
 his son and daughter, and Miss Sarah
 McKenna, his sister, have started for
 Europe, to be gone several months.
 Mr. McKenna's sons will have charge
 of the business in his absence.

VAUGHAN'S CANNAS

Strong 2-Eyed Bulbs.

	Per 100	Per 1000		Per 100	Per 1000
Beaute Poltevine....	\$ 4.00	\$ 30.00	Milwaukee	4.00	35.00
Chas. Henderson....	4.00	30.00	New Chicago.....	10.00	90.00
Comte de Sach.....	6.00	50.00	New York.....	5.00	40.00
David Harum.....	4.00	35.00	Prince Wied	10.00	90.00
Egandale.....	4.00	35.00	The Express	6.00	50.00
Mad. Crozy.....	4.00	35.00			

250 at the 1000 rate.

Chicago **Vaughan's Seed Store** New York

Greenhouses and Nurseries, Western Springs, Ill.

A. N. Pierson, Inc.

Wholesale Florists
 CROMWELL, - CONN.

John Bader Co.

B. L. ELLIOT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Mention the American Florist when writing

VERBENAS



Finest in the land, best
 mammoth varieties, true
 to name. Seedlings are
 disappointing. get the
 true stock, at 70c per 100,
 \$6.00 per 1000; Mrs. F. San-
 der, \$1.25 per 100, \$10.00
 per 1000. **Coleus**, finest
 named varieties, a grand
 collection, at 70c per 100,
 \$6.00 per 1000. **Pansies**,
 Roemer's Prize Winners
 (Germany), large, fine
 plants, 50c per 100, \$4.00
 per 1000. **Daisies**, Cali-
 fornia and Queen Alexan-
 dra, \$1.00 per 100, \$8.00
 per 1000. **Ageratums**, 60c
 per 100, \$5.00 per 1000. **Alternantheras**, three
 varieties, very strong, 60c per 100, \$5.00 per 1000.
Feverfew, "Little Gem" (True), \$1.25 per 100,
 \$10.00 per 1000. **Salvias**, Bonfire and St. Louis,
 \$1.00 per 100, \$8.00 per 1000. We prepay express.

C. HUMFELD,

The Rooted Cutting Specialist, Clay Center, Kan.

Mention the American Florist when writing

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

VISITED CHICAGO: A. J. Brown of the
A. J. Brown Seed Co., Grand Rapids,
Mich.

It is reported that hyacinths in Hol-
land were badly injured by frost in
early March.

J. E. NORTHRUP of Minneapolis,
Minn., is now in the Presbyterian hospi-
tal, Chicago, having arrived this week
from Daytona, Fla.

IN Japan heavy snowfalls the past
winter have in part compensated for
the dry March and the ground is in
fair condition to develop the bulb crop.

CHICAGO.—Prices on the Board of
Trade April 9 for grass seed were
noted as follows: Timothy, \$3 to \$4
per 100 pounds.

BOISE, IDAHO.—Governor Haines has
issued a proclamation of quarantine
against the alfalfa products of Utan
and Wyoming to prevent the intro-
duction of the alfalfa weevil into this
state.

ONION SETS at Chicago are easier but
the qualities are much mixed. Some
stocks held on South Water street by
commission men who are unable to
ship on account of floods are nearly
spoiled. Fancy Whites are worth \$1.75
and other colors may be bought at
from \$1.25 to \$1.45, according to
quality.

ANOTHER batch of notices of Insecti-
cide Act judgments has come in. Judg-
ment No. 10, \$10.00 and costs; No. 11,
\$25.00 and costs; No. 12, \$10.00 and
costs; No. 13, \$5.00; No. 14, the con-
demned goods to be sold or destroyed;
No. 15, Lee's Insect Destroyer found
on the premises of F. J. Trimmal, Roch-
ester, N. Y., goods to be destroyed with
costs against F. J. Trimmal, \$30.45.

COLUMBUS, O.—The Livingston Seed
Co., says: We have met with compar-
atively little flood damage. None of
the people connected with our busi-
ness lost their lives and but little
money loss was sustained. The flood-
ed district was confined entirely to
river and creek bottom lands. Our
greenhouses and farm lands are high
and dry with no loss. We are rejoic-
ing that it did not come the week be-
fore and ruin our Easter business.

French Bulbs.

In the southern France bulb growing
districts rains fell March 22-23, greatly
benefiting, practically saving, the nar-
cissus crop which was threatened with
failure because of drought. White Ro-
man hyacinths are mostly grown un-
der irrigation. All reports agree that
because of the small sizes of planting
stock used the crop will run more to
the smaller grades than usual. A sec-
ond report mentions the rainfall as a
moderate one only.

Beans of Arizona.

The experiment station of the Uni-
versity of Arizona has issued a valu-
able bulletin on "Southwestern Beans
and Teparies." The bulletin summar-
izes the bean culture of the state as
follows:

The peculiar climatic conditions of
the semi-arid, sub-tropical Southwest
are most favorable, usually, only to
the varieties of crop plants which
have been long grown in the region,
or in similar regions.

Among the Indians of the South-
west may be found varieties of corn,
beans, and squashes that have been
grown within the present confines of
Arizona for hundreds or perhaps
thousands of years. Centuries of
adaptation have therefore produced
types well suited to withstand the ex-
tremes of heat and drought to which
the climate often exposes them.

Native grown beans are among the
most successful of these acclimated
crops. Two different types of beans
have been collected from the Indians
of southern Arizona, recognized by
them as distinct and commonly known
by the Mexican names, "Frijoles" and
"Teparies."

Botanical study has established the
fact that these two types are different
species. Frijoles belong to the group
of common kidney beans (*Phaseolus*
vulgaris, Linn.); while teparies, heret-
ofore unrecognized in horticultural
literature and unknown to bontan-
ists except as a wild species, belong
to that large and variable group de-
scribed by Gray as *Phaseolus acuti-*
folius.

Frijoles, now grown in the South-
west, are probably descendants of va-
rieties introduced by the early Span-
ish missionaries. Twenty-three dis-
tinct varieties have been tested at this
station, among the most promising of
which may be mentioned the Pink
bean, the Hansen and the Red Indian.

Teparies, also grown by southwest-

ern Indians, were probably not do-
mesticated from the type form of
Phaseolus acutifolius A. Gray, but
from a larger, more robust, broad
leaved variety of the species such as
was collected by Wright in a valley
of Sonora as early as 1854, and de-
scribed by Gray as distinct, but left
unnamed by him probably on account
of lack of material, which is now
abundantly available.

The tepary (*Phaseolus acutifolius*
A. Gray) is therefore added to the
list of species of beans used as escu-
lents and it is suggested that this form
be called *Phaseolus acutifolius* var.
latifolius. The tepary was domesti-
cated from wild plants growing in
the canyons of the southwestern Unit-
ed States and northern Mexico by pre-
historic Indian races. Being variable
in the wild state it has responded dur-
ing domestication by the production
of many varieties. Forty-seven dis-
tinct types have been isolated and
grown at this station. Among the
most promising sorts may be men-
tioned the white tepary, the yellow
tepary and the brown speckled tepary.

In the Southwest, by both irriga-
tion and dry-farming methods of cul-
ture, these native grown beans yield
excellent crops,—from 450-700 pounds
per acre by dry-farming to 800-1,500
pounds under irrigation. Under all
conditions, however, teparies have
outyielded frijoles, and in nine experi-
ments herein reported, where these
two crops have been compared, have
averaged four times the productiveness
of frijole beans.

The tepary is therefore recommend-
ed to the attention of southwestern
farmers, (1) as the variety of bean
best adapted to an exacting climate,
and (2) as a probable money crop
available both to irrigators and to
dry-farmers.

PEAS, BEANS, CUCUMBER

Growers for the Trade.

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Peas, Beans and Cucumber Seed.

Also for prices for immediate shipment.

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SEED**
Palo Alto,
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Onion,
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Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

ASPARAGUS LUTZI

The most striking novelty of Asparagus in Europe. Import orders booked
now for pot-grown seedlings, \$3.00 per 100; \$27.50 per 1000,
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Are suitable for all general requirements. Special mixture can be furnished when desired.

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Growing Crops Given Personal Attention.

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180 First Prizes, the highest
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1000 seeds, finest mixed...25c
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Price list on application.

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NICE YOUNG ROSE STOCK

2¼-inch pots.

American Beauties,
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Summer prices for Geraniums May 5th and after,
\$10.00 per 1000 for Nut & Poitevine; \$12.50 per 1000
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Giant flowering separate colors, \$2.50 per 100.

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	Per 1000
Alaska.....	\$50.00 per 100
Aline.....	20.00 per 100
Augusta.....	\$15.00
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Canary Bird.....	50.00
Blanche.....	100.00
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Gov. McCormack.....	60 00
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	Per 1000
Mrs. Beecher.....	\$50.00
Mrs. S. Durand.....	50 00
Mme. Moneret.....	20 00
Nezinscott.....	50.00
Negerfuerst.....	125 00
Niagara.....	200.00
Pachole.....	40.00
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	Per 1000
Austria.....	\$12.50
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CACTUS—Berlichingen, Gold Fassin, Country Girl, Countess of Lonsdale,
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POMPON—Fairy Queen, Little Bessie, Marguerite, Purity, Vivid, Sunshine.

\$6.00 per 100; \$45.00 per 1000.

Cinnamon Vines

\$7.50, \$15.00, \$25.00 per 1000.

Madeira Vines

\$1.00, \$8.00, \$12.00 per 1000.

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Surplus Stock--Cheap.

Owing to lack of room we offer the following well
grown plants at a sacrifice. Write for prices.

250 Begonias, 4-in., asstd. varieties
250 Begonias, 2½-in., " "

200 Boston Ferns, 5-in. to 8-in.
750 Dracaena Indivisa, 4 and 5 in.

Meredith Flower and Vegetable Co.
LIBERTYVILLE, ILLINOIS.

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Gloxinia Erecta Grandiflora

This popular flowering plant is coming into greater vogue than ever, not only as a pot plant for house decoration, but also for cut flower purposes. Our strains of Gloxinias are the true erect-flowering type, grown by a specialist in Europe.

	Doz.	100	1,000
Blanche de Vera. White, rose-bordered	\$0.60	\$4.25	\$40.00
Defiance. Glittering crimson	.60	4.25	40.00
Emperor William. Blue, white border	.60	4.25	40.00
Etoile de Feu. Carmine-red	.60	4.25	40.00
Kaiser Frederick. Scarlet, white margin	.60	4.25	40.00
King of the Reds. Dark scarlet	.60	4.25	40.00
Madame Helene. White, with violet crown	.60	4.25	40.00
Marquis de Peralto. White, red-bordered	.60	4.25	40.00

	Doz.	100	1,000
Mont Blanc. Snow-white	\$0.60	\$4.25	\$40.00
Prince Albert. Deep purple	.60	4.25	40.00
Princess Elizabeth. White, bordered blue	.60	4.25	40.00
Princess Mathilde. White, with rose crown	.60	4.25	40.00
Queen Wilhelmina. Dark rose	.60	4.25	40.00
Boddington's Spotted Varieties. These contain the most distinct and remarkable colors	.60	4.25	40.00
All Colors Mixed	.50	3.75	35.00

Gloxinia Erecta Superbissima

Having during the past season been requested to secure some specially fine Gloxinias for exhibition purposes, we have made arrangements with a noted Gloxinia specialist in England to reserve for us some of the most distinct types. The bulbs are not so large as the Named Varieties, but this is a characteristic of most Erecta superbissima varieties.

BODDINGTON'S IDEAL PRIZE GIANT MIXED. Great variety of superb colors.

CYCLOPS. Velvety carmine, shading to a broad white border, throat dotted with dark red.

DUCHESS OF YORK. Flowers of a rich dark blue, each petal being edged with a broad band of white. A most striking and lovely variety.

SPOTTED HYBRIDS. Whenever exhibited, they create intense interest. The delicate markings, in an infinite variety of forms, add a special charm to the flowers.

SUTTON'S WHITE. A giant white flowered variety. **DUKE OF YORK.** Large scarlet Gloxinia with deep white edge to each petal. A magnificent flower.

HER MAJESTY. This exquisite Gloxinia is still unsurpassed by any other white variety. The flowers are as pure as newly fallen snow, and are borne on short stems, just clear of the elegantly recurved foliage.

READING SCARLET. In color this is the most brilliant Gloxinia in existence, being an intense glowing scarlet variety of the true Crassifolia habit. An admirable companion to Her Majesty.

GOLIATH. Violet and white, fine variety. Per doz. \$1.50; per 100, \$10.00.

Boddington's Quality Tuberous-Rooted BEGONIAS

Single-Flowering Tuberous Rooted

For planting in beds and where color effect is desired. Our stock of these bulbs will be found true to color and free from mixture.

Crimson	Rose White, Pure	Salmon	Scarlet	Yellow	Pink, Light	Copper	Orange
Large bulbs measuring 1 1/4 inches and upward, separate colors or all colors mixed, 35 cts. per doz., \$2.25 per 100, \$20.00 per 1,000; extra large bulbs, 1 1/2 inches and up, same colors as above, 40 cts. per doz., \$2.75 per 100, \$25.00 per 1,000.							

Double-Flowering Tuberous - Rooted.

These can be depended upon producing 100 per cent double flowers and contain very large and choice varieties.

Crimson	White, Pure	Yellow
Scarlet	Copper Bronze	Orange
Rose	Salmon	Light Pink
Large bulbs measuring 1 1/4 inches and upward, separate colors or all colors mixed, 50 cts. per doz., \$3.50 per 100, \$30.00 per 1,000; extra large bulbs, 1 1/2 inches and up, same colors as above, 65 cts. per doz., \$4.00 per 100, \$35.00 per 1,000.		

Single Crested Begonias

This strain of Begonias ranges in all colors—salmon, pink, white, yellow, copper and scarlet; petals carry on the upper side a crested-formed cockscomb. Separate colors, 80 cts. per doz., \$6.00 per 100; mixed, 75 cts. per doz., \$5.50 per 100.

Single Frilled Begonias

These are of the finest types of the single Begonia, the petals being heavily frilled on the edges. To color, 10 cts. each, 65 cts. per doz., \$5.00 per 100; all colors mixed, 60 cts. per doz., \$4.50 per 100, \$42.50 per 1,000.

Single Begonia Bertini

A beautiful bedding Begonia, brilliant vermilion flowers of rare beauty. As a bedder it stands unrivaled. 80 cts. per doz., \$6.00 per 100.

Double Begonias

	Doz.	100
Duke Zeppelin. Intense pure vermilion-scarlet	\$1.00	\$ 7.50
Lafayette. Rich, brilliant crimson scarlet	1.25	10.00

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Question.

Where in all the world can you find a good commercial White Gladiolus, from which you can cut a spike of flowers and buds, measuring from three to four feet in length, without appreciable damage to the bulb?

Answer.

The variety "**PEACE**." Besides possessing all of the other attributes which combined make it the most valuable white variety yet introduced, it also grows such a tall, stately and strong plant, that no other white variety and few varieties of other colors will permit the cutting of such long, perfect spikes without injury to the plant and bulb. This feature alone more than doubles the value of this variety, as will be appreciated by every Grower of Gladioli for the market.

If you are interested in such varieties and wish to know more about them, write me, or better still, try a few bulbs of Peace and see for yourself. Better also try a few bulbs of "**WAR**," companion of "**PEACE**." A deeper red, more brilliant or a larger flower you have never seen. I will make no exception to any variety either of Domestic or Foreign origin.

PEACE, large blooming bulbs, \$2.00 per dozen; \$100.00 per thousand
WAR, large blooming bulbs, - \$1.50 each; \$15.00 per dozen

You should have my illustrated catalog; write for it.

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Meadowvale Farms, Cable Address, "COWEEVALE," **BERLIN, N. Y.**

I shall be glad to see you at my Exhibit at the International Flower Show.

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LIGHT PINK ENCHANTRESS

\$12.50 per 1000

White Enchantress

\$17.50 per 1000

While They Last

Order Now

These cuttings are taken from stock grown by the best grower of the Enchantress variety of carnations in this vicinity and are big value at the price quoted. Send in your order now.

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Chrysanthemum Novelties my Specialty
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Our New Crimson Carnation

PRINCESS DAGMAR

will be disseminated next season, 1913-1914.

We are booking orders now at \$12.00 per 100; \$100.00 per 1000.

Princess Dagmar was exhibited at the National Show in New York.

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Geraniums, Nutt, Buchner, Ricard, Perkins Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
Boston and Whitmani Ferns, 3-in., 10c; 4-in., 15c; 5 in., 25c.
Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
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Boston Ferns, 2½ in., \$3.00 per 100; \$30.00 per 1000.

Roosevelt Ferns, 2½ in., \$5.00 per 100; \$10.00 per 1000.

Whitmani Compacta, 2½ in., \$5.00 per 100; \$40.00 per 1000.

250 at 1000 rates.

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Geraniums and other Bedding plants in quantities and now have a large stock ready in splendid shape, for immediate shipment. Special price for large lots.

	2-in.	3-in.
Geraniums , Standard and Ivy Leaved	100	100
Varieties.....	\$2.00	\$3.00
Mt. of Snow and Mrs. Pollock	3.00	
Scented, Nutmeg, Lemon, etc.....	2.00	3.00
Pansy Geraniums , Mary Washington, Mrs. Loyal.....	2.00	3.00
Lantanas , 10 Varieties.....	2.00	3.00
Lemon Verbena , Aloysia Citroedora.....	2.00	3.00
Lobelia , Kathleen Mallard and Crystal Palace Gem.....	2.00	
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Salvia , Bonfire and Zurich.....	2.00	3.00
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Fuchsias, Rozain Bouchardat collection, one plant each, one hundred varieties, \$10.00; 2 collection, \$15.00.

Smilax Seedlings, 75c. per 100, \$6.00 per 1000.

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2,000 Geraniums

In 4-inch, for quick sale, for one week only. Satisfaction guaranteed or money back.

10,000 **S. A. Nutt**, at \$6.00 per 100; 5,000 **Pink**, at \$7.50 per 100; 3,000 **White**, at \$7.50 per 100; 3,000 **Salmon**, \$8.00 per 100; 5,000 **Assorted Varieties** at \$6.00 per 100; 5,000 3-inch Geraniums, at \$4.50 per 100; 5,000 2½-inch Geraniums, at \$3.00 per 100; 15,000 Geranium Cuttings ready April 15th, at \$1.50 per 100.

7,000 2½-inch **Whitmani Ferns**, ready for a shift at \$4.50 per 100, or \$40.00 per 1000.

Ask for our complete list of Ferns, also our Soft Wooded Mum and other lists.

	Per 100	Per 1000
Aster Seedlings	\$0.60	\$5.00
Asters , once transplanted.....	1.00	7.50
Asters , 2x2½-inch, fine.....	2.00	17.50

Blooming Plants

Hydrangeas, 50, 75 cents and \$1.00 each.

Baby Ramblers, Souper, Hermosa, and **White Rambler** roses in 5 inch, at 50 cents each.

Obconica, in 3-inch, to close out at \$3.00 per 100.

Hardy Hydrangeas, four year old plants, at 50c each, or \$5.00 per dozen.

Clematis, Blue and White, two year old plants, 40 cents each or \$3.50 per dozen. Two year **Clematis Paniculata**, 35 cents each or \$3.00 per dozen.

Two year old **Holland** or **Boston Ivy**, at 35 cents each, \$3.50 per dozen.

Caladiums, Cannas, Tuberoses, etc.

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Large 2 and 3-year old bench plants in dormant condition. Ready to start up.

\$10.00 per 100.

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GERANIUM SALE

I have 1000 of the finest 4 in. pot grown plants in bud and bloom consisting of

Nutt Mme. Landry Ricard Viaud

The majority being **S. A. Nutt**.

This exceptionally fine and healthy stock of 1000 plants, \$65.00, or in lots of 100, \$8.00. This is an extreme bargain and **NEVER AGAIN** will be offered, as the adv. will appear but once, so order quick.

CASH PLEASE.

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Mile High Pansy Seedlings

Our Own Selected Strain

\$5.00 per 1000, by Parcel Post, prepaid.

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The Park Floral Company,
Box 700, **Denver, Colorado.**

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SPRING BULBS

GLADIOLUS

Of several leading kinds we can supply planting stock, white bulbs under one inch and small black bulblets by the bushel.

Per 1000

MRS FRANCIS KING,

Medium size..... \$15.00

AUGUSTA, First Size..... 16.00

AUGUSTA, Medium..... 13.00

AMERICA, First Size (3000 for \$66.00)..... 25.00

AMERICA, Medium Size..... 20.00

KUNDERDI GLORY, Firsts..... 40.00

CHICAGO WHITE..... 50.00

PRINCEPS..... 90.00

SHAKESPEARE..... 38.00

FLORISTS' MIXTURE,

(Light Colors)..... 15.00

BEGONIAS

(Tuberous Rooted Giant Flowering Varieties)

Singles, in Colors, white, scarlet, yellow, pink, Doz. 40c.; 100, \$2.50; 1000, \$22.00.

Singles, Mixed Colors, Doz. 35c; 100, \$2.25; 1000, \$21.00.

Doubles, white, scarlet, yellow, pink, Doz. 65c; 100, \$4.50; 1000, \$40.00.

Doubles, Mixed Colors, Doz. 60c; 100, \$4.00; 1000, \$37.00.

LILY BULBS

Per 1000

Album, 9-11 inch..... \$12.50

Auratum, 9-11 inch..... 10.00

Rubrum, 8-9 inch..... 6.00

Rubrum, 9 11 inch..... 9.00



True Dwarf Pearl Tuberose.

TUBEROSES

TRUE DWARF PEARL.

Per 1000

Mammoth, 6-8 inch... \$15.00

First Size, 4-6 inch.... 10.00

Medium Size, 3-4 inch 4.50

CALADIUM

ESCULENTUM.

Per 100 Per 1000

5 to 7 inch.... \$1.80 \$14.00

7 to 9 inch.... 3.50 28.00

9 to 11 inch... 5.50 52.00

LILIES

COLD STORAGE

Lil. Giganteum Per Case

7-9 inch (300 bulbs to case)..... \$18.00

8-10 inch (225 bulbs to case)..... 15.75

9-10 inch (200 bulbs to case)..... 17.00

Lil. Rubrum

Per Case

8-9 inch (170 bulbs to case)..... \$10.00

9-11 inch (100 bulbs to case)..... 8.00

Write for Our Spring
"Book for Florists"



Caladium Esculentum.

Vaughan's Seed Store
CHICAGO **NEW YORK**

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Prices of Indoor Fruits and and Vegetables

Chicago, April 7.—Mushrooms, 15 cents to 50 cents per pound; lettuce 22½ cents to 25 cents, small cases; radishes, 20 cents to 50 cents per dozen bunches; pieplant, 40 cents to 50 cents per bunch; cucumbers, 25 cents to \$3.00 per box of two dozen; asparagus, \$1.50 to \$2.75 for 24 bunches.

New York, April 5.—Cucumbers, 50 cents to \$1.12 per dozen, and \$4 to \$5 per box; mushrooms, \$1.25 to \$3.00 per 4-pound basket; tomatoes, 10 cents to 20 cents per pound; radishes, \$2.00 to \$2.50 per 100 bunches; mint, 25 to 65 cents per dozen bunches; rhubarb, 30 cents to 60 cents per dozen bunches; lettuce, 25 cents to 50 cents per dozen; beet tops, 25 cents to 75 cents per box.

Cornell Market Gardeners' Train.

A vegetable gardening train was run over the New York Central lines last week. Although farm trains have been run by various railroads in different states, this is the first train ever sent out for the vegetable gardening interests alone. It consisted of two cars, one containing an exhibit of vegetables, greenhouse material and models, seeds, model hotbed, potted plants, implements—cultivators, seed drills—charts, photographs, publications, etc. The train was in charge of F. S. Welch, agricultural representative of the railroad, and Professor A. C. Beal of the Department of Horticulture, Cornell University. Stops were made at Newburg, Kingston, Catskill, Coxsackie, Albany, Schenectady and Troy. The stops were usually for one day, but Catskill and Coxsackie were included. Lectures were given on greenhouse construction, planting home grounds and school gardens, by Professor Beal; on growing early plants, planting and transplanting vegetables, planning gardens, and home gardens, by A. E. Wilkinson; on intensive vegetable growing irrigation, harvesting, packing and marketing, market gardening, and growers' organizations, by Paul Work. There was a large attendance, and great interest was manifested in the exhibits and the discussions.

Greenhouse Cucumbers.

ED. AMERICAN FLORIST:

What is the best manner of forcing cucumbers under glass? Is it proper to syringe the foliage?

P. M. K.

Wisconsin.

The spring crop of cucumbers under glass is comparatively easily grown, provided one has good head room. At this time of the year solid beds are best as it is easier to supply the great amounts of water needed during hot weather. It is best to entirely remove all cool crops, such as lettuce or radishes, and transplant the cucumbers, which may be in 4-in. pots up to this time. The temperature should be increased to a minimum of 60° and 65° to 68° is better.

There are two distinct methods of training which must be considered in planting. One is the trellis or A-shaped culture, permitting natural growth. The other is the upright or single-stem culture, which demands close pruning. Which is best depends upon circumstances. If for a long-continued season the trellis is best; if for a short period the upright is to be preferred. The trellis method requires fewer plants, as the rows may be six or eight feet apart, while for the single stem culture, 2½ or 3x4 feet makes a good spacing. In either case the supports must be well strengthened and anchored as there will be an enormous load when in full growth.

For the upright method a binder twine is generally used fastened to overhead wire. As regards moisture syringing is in order, as cucumbers are very subject to red spider. A good rose grower would be a good cucumber man by following much the same course, only carrying temperatures higher. It is important to supply moisture by dampening walks if necessary. When in bloom mulching is need-

ed to feed and hold moisture. Bees must be provided for pollination. Generally they come themselves, through open ventilators; they can be attracted by scattering comb honey about outside in the gutters, and if necessary, hives can be bought and either placed inside or outside near to the houses.

MARKETMAN.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spaw

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

Lady Hillingdon Roses

Fine 2¼-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

Enchantress Supreme

THE Best Sport from Enchantress up-to-date, possessing all the vigor and freedom that distinguishes its parent.

Color a light salmon pink—a color that is not only very attractive, but also one that endures full exposure to the sun without bleaching.

A good all around Carnation that retains its color at all seasons.

Calyx is longer and narrower than that of the parent variety, and distinct from the latter. Has shown no inclination to be a burster.

The weak points of Enchantress seem to have been lost in this Sport, and a trial of four years duration convinces us of its great value.

PRICES: Twelve Rooted Cuttings.... \$3.00 One Hundred rooted cuttings... \$ 12.00
Twenty-five rooted cuttings, 5.00 One Thousand rooted cuttings... 100.00
Fifty rooted cuttings..... 7.00 Order quick for immediate deliveries.

DAILLEDOUZE BROS.,

Lenox Road and Troy Ave.,
BROOKLYN, N. Y.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

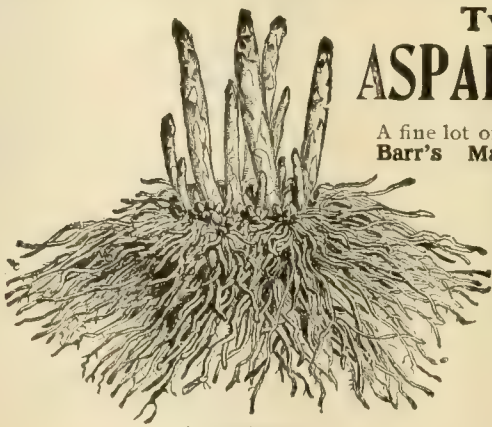
SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Two-Year-Old ASPARAGUS ROOTS



Asparagus Root.

A fine lot of strong, two-year-old roots, of Barr's Mammoth, Columbian Mammoth White, Conover's Colossal, Giant Argenteuil and Dreer's Eclipse, neatly put up in bundles of 25, 50c per 100; \$4 per 1000.

Special prices for lots of 5000 or more.

Henry A. Dreer, Inc.
714 Chestnut Street
PHILADELPHIA, PA.

The above prices are intended for the Trade only.

Get them at Dreer's
**ALL SEASONABLE
 PLANTS, SEEDS, BULBS
 AND SUNDRIES.**

HARDY PERENNIALS. The most complete collection of varieties and the largest stock in the country. Our Perennial plants have a National reputation. We spare no expense to have them in the best possible shape for the planter. Such varieties that move better when pot grown are prepared in this shape. This does not mean little seedlings, but in the majority of cases the plants were field grown, were dug and potted during the fall and winter months and are of just the right size to give immediate results. They are not to be compared with so-called field clumps. Try them and be convinced.

**See Our Current Wholesale List
 for Varieties and Prices.**



New Giant Flowering Marshmallow.

AQUATIC PLANTS, WATER LILIES, NELUMBIUMS, VICTORIAS. Tender and Hardy Aquatics have been a special feature with us for nearly a quarter of a century. Over eight acres of artificial ponds are devoted to their culture, if we can assist you in making plans or selecting varieties. The services of our expert are at your disposal for the asking.



Nymphaea.

ROSES FOR OUTDOOR PLANTING TO GIVE IMMEDIATE RESULTS. We have three hundred thousand 5 and 6-inch pots, the usual Dreer stock and the style of plants your retail customers are looking for. These are all two-year field grown plants which have been potted during the winter months and which were stored in cold houses and frames and which are now in prime condition for out-door planting. The collection is the most up-to-date, including many new varieties not offered by anyone in the trade.

Hybrid Teas, Hybrid Perpetuals, Tea and Everblooming, Ramblers, Baby Ramblers, Moss Roses, Hybrid Sweet Briars, Austrian Briars, Wichuriana, etc., etc.

See Our Current Wholesale List for Varieties and Prices.

OUR CURRENT WHOLESALE LIST also describes the following, all of which are handled as specialties:

Decorative Palms, Palms, Ferns, Pandanus, Bay Trees, Boxwoods, Dracaenas, etc., etc.

Hardy Shrubs, Hardy Vines, Hardy Climbers, Rhododendrons, Azaleas, etc.

Bulbs: Dahlias, Tuberous Rooted Begonias, Gladiolus, Gloxinias, Fancy Leaved Caladiums, Cannas, etc., etc.



New Hybrid Perpetual Rose, George Arends.

**Henry A. Dreer, Inc., 714 Chestnut Street,
 PHILADELPHIA, PA.**

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

A SHORT season again for the nursery trade is certain in the West. This is the third successive year in which this trade has been so seriously handicapped.

Some Late Flowering Shrubs.

We have so few shrubs that flower in the late summer and early autumn, that no apology is necessary for calling attention to them. For a number of years we have had in cultivation three species of the genus *Buddleia*, and valued them highly because of their habit of blossoming in late summer. Of the three referred to, viz.: *B. Japonica*, *B. intermedia* and *B. variabilis*, the latter is the most showy and has proved as hardy as the other two. Quite recently two new varieties of *variabilis* have been sent out and have proved very satisfactory. *B. variabilis Veitchiana* has long cylindrical racemes, sometimes two feet in length, of a pleasing rosy lilac color. *B. variabilis magnifica* has slightly larger flowers than the preceding and of more intense coloring. Both have endured the last three winters in the Buffalo Botanic Garden, with no special protection, and have attracted great attention. With slight protection all of the five varieties named above should stand anywhere in the same latitude. If the ends of the branches get killed back, no particular harm will result, as the flowers appear on the ends of the growth of the current season, and a severe pruning is always in order. The genus is a large one, extending over three continents. Those mentioned above, however, are all from eastern Asia. The Asiatic species, so far as I am informed, are either white or of varying shades of lilac or purple, with a more or less pronounced yellow eye. The South American species, some of which are grown as greenhouse subjects, develop some brilliant yellows. *B. globosa*, from Chile, with orange yellow flowers, is often cultivated and is said to be hardy in the south of England. *B. Asiatica* and *B. officinalis*, are being offered this year as desirable forcing plants, their season of bloom being mid-winter. *B. Asiatica* bears long, dense, narrow racemes of deliciously scented white flowers. *B. officinalis*, flowering at the same time, is said to have rose-pink flowers in branching racemes. *B. Asiaticus* has long been in cultivation, but *B. officinalis*, I have never seen.

All the hardier species are easily propagated, either by green or ripe wood cuttings. Our own practice is to take cuttings, at the time the flow-

ers begin to fade and insert them in sand on an ordinary bench where they root in two or three weeks. They are then potted and placed in a cool house until planting out time. Treated in this way, they will be nice strong plants by August and will bloom the first year. While the usual place for these *Buddleias* is in the shrub borders, they are very acceptable when planted among herbaceous collections, if cut back severely every spring.

C.

High Class New England Quality

Herbaceous Perennials, Evergreens and Deciduous Trees, Shrubs, Roses and Vines at Wholesale and Retail. Catalogues upon request.

The New England Nurseries Co.
Dept. "T" BEDFORD, MASS.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,
P. O. Berlin N. J. Williamstown Junc., N. J.

Flower Colors

Use our Color Chart in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn Street

CHICAGO

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Mention the American Florist when writing

EVERGREENS, HEDGES AND HARDY PHLOX

Are my specialties.

I grow these by the acre. Please get my prices and try some of my stock.

ADOLF MULLER
DeKalb Nurseries NORRISTOWN, PA.

Mention the American Florist when writing

Ipomea Noctiflorum

Our so well-known pure white, waxy

MOONVINE

Bearing flowers very fragrant and as big as a saucer, 2½-in. pots; will make good stock for you to propagate from. \$5.00 per 100.

Godfrey Aschmann

1012 W. Ontario St., Philadelphia, Pa.

Mention the American Florist when writing

ENGLISH MANETTI STOCKS.

A bargain, to close out surplus quick. Well rooted carefully regraded and everything under-sized or not up to strictly first quality discarded. It pays to buy regraded repacked stocks. We offer ½ m-m grade at \$12.00 per single thousand; five thousand or more at \$10.00 per thousand. 3-5 m-m grade \$8.00 per thousand; \$65.00 per ten thousand, to clean them up quick. Orders can be filled the same day we get them. Wire and say whether to ship by freight or express.

JACKSON & PERKINS CO., Newark, New York

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Spring Bulbs and Roots, Conifers, Pines.

English Ivy

4 ft. bushy, 4 inch pots.....\$15.00 per 100
4 and 5 ft. bushy, 4½ inch pots 20.00 per 100

Good value for window effect.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad. :: ::

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

W. Van Kleef & Sons

Wholesale Growers of Nursery Stock

BOSKOOP, :: HOLLAND

BEG to announce that their Mr. K. Van Kleef is again in America calling on the trade. Please ask our prices before placing your esteemed Import Orders elsewhere; they will certainly interest you.

Address all Correspondence Until June 1st

MALTUS & WARE, 14 Stone Street, NEW YORK
CATALOGUES FREE FOR THE ASKING.

DECORATIVE STOCK

Special on Made-up Kentias

WE have an exceptionally large stock of 6 and 7 inch **Kentia Forsteriana**, 3 plants in a pot. The 6-inch are 18 to 22 inches above pot, on which we make a special price, of \$1.00 each or \$12.00 per doz. The 7-inch are 28 to 32 inches; also 3 in a pot, special \$1.50 each, \$18.00 per dozen. Remember these are nice bushy plants and just what you need for decorating.



Araucaria Excelsa — Each	Doz.	Per 100
6-in. 4-5 tiers.....	1.00	12.00
7-in. 4-5 tiers.....	1.50	18.00
Areca Lutescens —		
3-in. 3 plts in a pot..	2.00	\$15.00
4-in. 3 plts in a pot..	3.00	25.00
6-in.	1.50	
Asparagus Plumosus —		
2-in.		3.00
3-in.		6.00
4-in.	1.50	
Asparagus Sprengeri —		
3 in.	.75	5.00

KENTIA FORSTERIANA.

Size	Leaves	Ht.	Each	Doz.	Per 100
2-in.	4	8-10-in.	\$1.50	\$12.00	
3-in.	4-5	12-14-in.	2.00	15.00	
4-in.	4-5	14-16-in.	4.50	35.00	
5-in.	5-6	16-18-in.	6.00	50.00	
5-in. strong.	5-6	20-24-in.	\$.75	9.00	
7-in.	5-6	36-38-in.	2.50		
7-in. strong.	5-6	36-40 in.	3.00		
8-in.	5-6	40-44 in.	5.00		
8-in. strong.	5-6	46-50-in.	7.00		
9-in.	6-7	60-in.	8.00		
Specimens. 6-ft. high.....			9.00		
Specimens, 7 ft. 6-in. high			15.00		

Made Up, Each

6-in., 3 in a pot. 18-22 in. high	\$ 1.00 and \$1.50
7-in., 3-4 in a pot. 24-30 in. high	2.50
8-in., 3-4 in a pot. 40-45 in. high	6.00
9-in., 3-5 in a pot. 50-54 in. high	8.00
10-in., 4-5 in a pot. 58-60 in. high	10.00
12-in., 4-5 in a pot. 62-70 in. high	15.00
Specimens, 6½ ft. high. 4 in a tub. Each	\$18.00
Specimens, 7½ ft. high. 4 in a tub. Each	25.00

KENTIA BELMOREANA

Size	Leaves	Ht.	Each	Doz.	Per 100
2-in.	4	8-in.	\$1.50	\$12.00	
3-in.	4-5	8-10-in.	2.00	15.00	
4-in.	4-5	12-in.	3.60	30.00	
4-in. strong.	4-5	12-15-in.	4.50	35.00	
5-in.	5-6	15-18-in.	6.00	50.00	
5-in. strong.	5-6	18-20-in.	\$.75	9.00	
6-in.	6-7	20-22-in.	1.00	12.00	
6-in. strong.	6-7	22-24-in.	1.50	18.00	
7-in.	6-7	26-28-in.	2.00	24.00	
7-in. strong.	6-7	28-30-in.	2.50	30.00	
8-in.	7-8	40-45-in.	5.50		
9-in.	7-8	48-50-in.	8.00		
9-in. strong.	7-8	50-54-in.	10.00		
Made up 7 leaves, 3 in a pot. 28-30 in. high.....			2.50		

BOSTON FERNS.

	Each	Doz.	Per 100
2 in.....		\$1.50	\$3.00
4 in.....		3.00	
5-in.....	.25	3.00	
6-in.....	.50	6.00	
7-in.....	.75	9.00	
8-in.....	1.00	12.00	
9-in.....	1.50	18.00	
Larger ones at \$2.00, \$2.50 and up each.			
Dracaena Indivisa —	Doz.	Per 100	
2-in.....	.50	\$ 3.00	
3-in.....	.75	5.00	
4-in.....	1.50	10.00	
5-in.....	3.00	20.00	

Ferns, asstd. vars. for dishes in 2-in. pots \$3.00

Ficus Elastica , 5-in. Each.....	.35
6-in.....	.50
7 in.....	.75
Ficus Pandurata , 6-in., 7-in. and 8-in. at \$1.50, \$2.50 and \$3.50 each.	

PANDANUS VEITCHII.

	Each	Doz.
3-in.....	\$.35	\$ 4.20
Extra strong plants. \$1.50, \$2.00 and \$3.00 each.		

PHOENIX RECLINATA

	Each	Doz.	Per 100
5-in.....		\$5.00	\$40.00
6-in.....	\$0.75	9.00	
7-in., 24 in. high.....		12.00	

PHOENIX ROEBELENI

	Each	Doz.	Per 100
2½-in.		\$2.00	\$15.00
3-in.....		3.00	
4-in.....	.50	6.00	
6-in.....		12.00	
6-in. strong.....		18.00	
7-in.....	\$2.50 & \$3.00		
Specimens, 7 in. extra strong		4.00 each.	
8 in. extra strong		5.00 each.	

You Should Stock up NOW for Spring Sales.

The Geo. Wittbold Co. —L. D. PHONE, GRACELAND 1112—
737-39 Buckingham Pl. **Chicago**

GERANIUMS

S. A. Nutt , and four other varieties, 3-in. pot. \$4.00	Per 100
2½ in.....	3.00
Coleus , 10 varieties 2½-in. pots.....	2.00
Asparagus Plumosus and Sprengeri	2.00
Alternanthera red and yellow, 2½-pots.....	2.00
Pansy Plants , April 1st in bud.....	1.50

CASH

JOSEPH H. CUNNINGHAM, Delaware, Ohio

J.D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

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Ferns for Dishes

Best assorted varieties from 2¼ in. pots, 100, \$3.50; 1000, \$30.00. 500 at 1000 rate. Cash with order.

FRANK OECHSLIN,

4911 West Quincy St. CHICAGO.

ROSE PLANTS, 2½-in. pots

	Per 100	Per 1000
American Beauties	\$5.00	\$45.00
White Killarneys	4.00	35.00
Pink Killarneys	4.00	35.00

TWO YEAR OLD BENCH PLANTS—GOOD STOCK

American Beauties, \$6.00 per 100; \$55.00 per 1000. **White Killarney**, **Pink Killarney**, **Richmond Sunrise**, \$4.00 per 100; \$35.00 per 1000.

PETER REINBERG,

30 E. Randolph St.,

CHICAGO.

Primula Obconica, strong plants, in bud and bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.
Malacoides, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, 300 for \$5.00.
Asparagus Plumosus and **Sprengeri**, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the American Florist when writing

Robert Craig Co...

High Class **PALMS**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Mention the American Florist when writing

NO DAMAGE BY HIGH FLOOD.

¶This is to notify the Trade that all Springfield came through the flood without any damage whatever. Our greenhouses are full of plants and we are ready and anxious for business and will ask our patrons to continue their liberal trade as in the past, for which we will be duly thankful.

THE GOOD & REESE COMPANY,
The Largest Rose Growers in the World
SPRINGFIELD, : : : OHIO.

ROSES	Wintered cool; x-strong roots; prime condition. Best sorts, old and new, including:—			
	2½-inch.	4-in.		
	Doz.	100	1000	100
Duchesse de Brabant.....	\$0.50	\$3.00	\$25.00	\$10.00
Etoile de Lyon.....	0.50	3.00	27.50	10.00
Maman Cochet, Pink.....	0.50	3.00	27.50	10.00
White Maman Cochet.....	0.50	3.00	27.50	10.00
Mlle. Franzisca Kruger.....	0.50	3.00	25.00	10.00
Safrano.....	0.50	3.00	25.00	10.00
William R. Smith.....	0.50	3.50	30.00	10.00
Kaiserin Aug. Vic.....	0.50	3.50	30.00	10.00
Mme. Jenny Guillemot.....	0.50	3.50	30.00	12.00
Meteor.....	0.50	3.00	27.50	12.00
Rhea Reid.....	0.60	4.00	35.00	12.00
Jeanne d'Arc.....	0.50	3.50	30.00	12.00
Mrs. Taft.....	0.60	4.00	35.00	12.00
Dorothy Perkins.....	0.50	3.00	25.00	10.00
Phil'a Crimson Rambler.....	0.50	3.00	25.00	10.00
Tausendschon.....	0.50	3.00	25.00	10.00
Mary Washington.....	0.50	3.00	25.00	10.00
Marechal Niel.....	0.60	3.50	30.00	15.00



Missoula, Mont.

An increase of more than 100 per cent over Easter sales of a year ago is noted by the R. & S. Flower Store. Prices were better, especially for potted stock. Lily plants sold out and hyacinths and spires also sold well. The supply of cut flowers was just sufficient to meet the demand. Tulips and jonquills were the poorest sellers. Lily of the valley and American Beauty roses went begging, an unusual occurrence. Richmond and Killarney roses, violets, sweet peas and carnations were the best selling cut flowers. The stock was all cleaned up in fine shape and everybody reports a better trade than in 1912.

NOTES.

The R. & S. Flower Store reports that its Deer Lodge store cleaned up completely and by 9 p. m. Saturday didn't have anything left. The number of lilies moved by this firm proves the wisdom of buying the best of bulbs. A large number of orders for Montana delivery was received from the East. F. X. Scully spent the week at the Deer Lodge store. Frank Cooney contemplates the building of a house 20x100 feet for the

Select Stock for Spring

The best lot of stock in this line we have ever seen. Every live florist and landscape man can make good use of the following subjects, and we are sure there is no better quality in the country:

Azalea Mollis, 15 to 18-in., bushy and full of buds.....	\$ 3.50 per 10, \$ 30.00 per 100
Ghent (Pontical). Named sorts, full of buds, 18 to 24-in.....	4.50 per 10, 40.00 per 100
Rhododendrons, 18 to 24-in., 8 to 12 buds, very fine.....	7.50 per 10, 70.00 per 100
24 to 30-in., 12 to 14 buds, very fine.....	10.00 per 10, 90.00 per 100
30 to 36-in., 14 to 16 buds, very fine.....	15.00 per 10, 125.00 per 100
24-in., seedlings, bushy, well budded plants.....	6.50 per 10, 60.00 per 100
Tree Roses, all hardy varieties, budded on straight stout stems.....	3.50 per 10, 30.00 per 100
Boxwood, a magnificent spring importation on hand, clean bright stock and grand values for the money.	
Pyramidal, 36-in. high, at \$1.75 each; 42-in. high, at \$2.25 each; 48-in. high, at \$3.00 each; 54-in. high, at \$4.00 each.	
Globe Form, perfect globes, 18 by 18 inches. \$3.00 each.	
Bush Form, very broad, heavy plants. 12-in. high, \$3.00 per 10, \$25.00 per 100; 18-in. high, 50c each, \$4.50 per 10; 24-in. high, \$1.25 each, \$10.00 per 10; 30 in. high, \$1.50 each, very broad. 36-in. high, \$2.00 each, very broad.	
Aristolochia Siphon, Dutchman's Pipe, heavy vines, 4-ft. top, \$25.00 per 100.	
Hybrid Tea Roses, strong 2-yr., field grown dormant plants—Betty, fine pink, \$17.50 per 100; Len. McArthur, Grus An. Toplitz, Hermosa, Kaiserin Augusta, Victoria, La France, Mad. Jules Grolez (deep pink) Maman Cochet, Mad. Caroline Testout, White Maman Cochet, at \$15.00 per 100; Prince de Bulgarie, \$17.50 per 100.	
NEW BABY RAMBLER ROSES, 2-yr., field grown—	
Erna Teschendorff, the best red yet introduced, more petals than the original Baby Rambler, a deeper, brighter red and does not fade. \$4.00 per dozen, \$30.00 per 100.	
Orleans, light Geranium red, opening to a bright rose color. Very free bloomer and compact shapely plant for pots, \$2.50 per dozen, \$18.00 per 100.	
CLIMBING ROSES, 2-yr., field grown—	
Dorothy Perkins.....	\$12.00 per 100
Farquhar.....	25.00 per 100
Tausendschon.....	15.00 per 100
Violet Blue.....	10.00 per 100
Yellow Rambler.....	10.00 per 100
Flower of Fairfield.....	\$20.00 per 100
Hiawatha.....	12.00 per 100
Trier.....	12.00 per 100
White Dorothy.....	12.00 per 100

The Storrs & Harrison Co., Painesville, Ohio

growing of roses. Although Mr. Cooney is an amateur he feels very enthusiastic over the prospects as there are no rose growers in this city. Chas. Dallman, proprietor of the Missoula Nursery Co., is putting in a strenuous time at his nursery, where he is swamped with spring orders. F. S. BIRMINGHAM, ALA.—The Elmwood greenhouses were badly damaged in a recent storm.

KENTIAS.
Joseph Heacock Co.,
Wyncote, Pa.
See Price List of Last Week
Mention the American Florist when writing

Best Grafted Rose Stock

Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000; \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill. Killarney Queen, \$15.00 per 100; \$120.00 per 1000.

BEST OWN ROOT STOCK

White Killarney, Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6.00 per 100, \$55.00 per 1,000. Richmond, 2½-in., \$5.00 per 100; \$45.00 per 1,000. The above is All select stock and a big bargain at prices quoted

Best Chrysanthemum Cuttings

Finest Two Yellow and Pink Commercial Varieties Now Grown.

YELLOW				PINK			
	R. C. per 100	per 1000	2½-in. per 100		R. C. per 100	per 1000	2½-in. per 100
Comoleta,	\$3.00	\$25.00	\$4.00	Patty,	\$3.00	\$25.00	\$4.00
Best Early Yellow, Blooms September 27.				Beautiful Enchantress Pink, fine strong grower, (3½-in., per 100, \$5.00).			
Chrysolora,	\$5.00	\$40.00	\$6.50	Unaka,	\$4.00	\$35.00	\$5.00
Best Yellow Money Maker, blooms October 5 to 10.				Earliest Pink, first week of October.			

WHITE				YELLOW				PINK			
	R. C. per 100	per 1000	2½-in. per 100		R. C. per 100	per 1000	2½-in. per 100		R. C. per 100	per 1000	2½-in. per 100
Smith's Advance,	\$2 50	\$20 00	\$3 00	Golden Glow.....	3 00	25 00	4 00	McNiece.....	2 50	20 00	3 50
Best Early White				Halliday.....	2 50	20 00	3 00	Maud Dean.....	2 50	20 00	3 50
October Frost....	2 50	20 00	3 00	Col. Appleton.....	2 50	20 00	3 00	Dr. Enguehard....	2 50	20 00	3 50
Vir. Poehlmann....	3 00	25 00	4 00	Major Bonaffon.....	2 50	20 00	3 00	RED			
Alice Byron.....	2 50	20 00	3 00	Immense stock, still one of the best.				Schrimpton.....	2 50	20 00	3 00
Timothy Eaton....	2 50	20 00	3 00	Yellow Eaton.....	2 50	20 00	3 00	BRONZE			
W. H. Chadwick....	3 00	25 00	4 00	Golden Chadwick....	3 00	27 50	4 00	O. H. Kahn.....	4 00	.....	5 00
				Best late yellow.				We can supply large quantities of the above			

POMPONS—Large stock of the leading commercial varieties. 2½-in., per 100, \$4.00
List of Varieties Upon Application.

Poehlmann Bros. Co.

Morton Grove, Illinois.

ASPARAGUS PLUMOSUS

3-in. pots, strong, \$4.00 per 100; 2½-in. pots, \$3.00 per 100; 2-in. pots, \$2.00 per 100.
Asparagus Sprengeri, 3-in. pots, \$3.00 per 100; 2½-in. pots, \$2.00 per 100.
Daisies, yellow, 3-in. pots, \$4.00 per 100.
Anthericum Variegatum, 4-in. pots, \$1.00 per doz, 3-in. pots, 75c per doz.
Smilax, 4-in. pots, \$1.00 per doz.
Ivy, hardy English, 3-in. pots, \$4.00 per 100; 4 in. pots, \$1.00 per doz.
Kentia Belmoreana, 3 leaves, \$1.00 per doz.
Swainsona Alba, 2½-in. pots, \$3.00 per 100.
Rooted Cuttings of Fuchsias, 4 varieties: Feverfew, Little Gem; Ageratum, Artillery Plants, Parlor Ivy, \$1.00 per 100.
Myrtle, the real bridal Myrtle, 3-in. pots, \$1.00 per doz; 4-in. pots, \$1.50 per doz.
Moonvines, large flowering, white, 2½-in. pots, \$3.00 per 100.
Salvia, Bonfire, 2½-in. pots, \$3.00 per 100.
Snapdragon, white and pink, 2½-in. pots, \$3.00 per 100.

C. EISELE,

11th and Westmoreland Streets
PHILADELPHIA, PA.

DAHLIAS

Standard and New Cut Flower Varieties

Lindhurst Farm

Hammonton, N. J.

SPRING-FLOWERING BULBS

CALADIUMS

With live center shoot

	Doz.	100
5-7 inch	\$0.30	\$1.80
7-9 inch	50	3.50
9-11 inch	.85	6.00

GLADIOLI

First size bulbs

	100	1000
America, pink	\$3.00	\$25.00
Francis King, scarlet	2.00	18.00
Light and White florists' mixture	1.75	15.00

CANNAS

Two to three-eye roots

	100	1000
Chas. Henderson	2.00	18.00
Florence Vaughan.....	2.00	18.00
King Humbertin.....	6.00	.....

TUBEROSES

Dwarf Pearl

	100	1000
First Size	\$1.00	\$9.00
Second size	.60	5.00

A. HENDERSON & CO., 352 N. Michigan Avenue, CHICAGO

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL New York

Mention the American Florist when writing

The New Double Marguerite MRS. F. SANDER

It's a good spring and summer proposition and will keep you supplied with plenty of cut flowers at a time when all other flowers are scarce.

2-in. pots \$2.00 per 100, \$15.00 per 1000.

ELMER RAWLINGS,

Wholesale Florist, OLEAN, N. Y.

Mention the American Florist when writing



Most Beautiful Stock of Pyramid Boxwood

2 ft.....	\$1.00 each
2½ to 3 ft.....	1.75 each
3 to 3½ ft.....	2.50 each
3½ to 4 ft.....	3.50 each
4 to 4½ ft.....	4.50 each
Globe Shape, 24-inch head.....	4.00 each
Standard Stem, 24-inch head.....	4.00 each
Bush Shape, 2 ft.....	4.50 each

Gladiolus Augusta

\$2.00 per 100, 1st size; \$17.50 per 1000

F. O. Franzen, 1476 Summerdale Ave.,
CHICAGO, ILL.

CHRYSANTHEMUMS

ROOTED CUTTINGS

Chrysalera, \$3.00 per 100; \$25.00 per 1000. 500 at 1000 rate. Also the following at \$2.00 per 100; \$15.00 per 1000, cash: Yellow, Donatello, Appleton, Golden Wedding, Golden Glow, Yellow Bonnafon, White Oct. Frost, Tousey, White Eaton, Robinson, Roseire, Polly Rose, Buckbee, White Bonnafon, Pink Enguehard. All above Rooted Cuttings. Fine Healthy Stock.

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NASHVILLE, TENN.

ROOTED CUTTINGS.

	Per 100.	Per 1000
Verbenas.....	\$0.70	\$ 6.00
Ageratums.....	.60	5.00
Heliotrope, Daisies, Salvias..	1.00	8.00
Feverfew, Petunias.....	1.25	10.00
Coleus.....	.70	6.00
Alyssum, Double.....	1.00	8.00

Cash with orders. Express Paid. Write

S. D. Brant, Clay Center, Kans.

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Best Field Grown Plants.

IN BUD AND BLOOM.

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\$10.00 per 1000.

J. L. MORGAN PANSY GARDENS,
Unionville, Lake Co., Ohio.

Flower Colors

Use our **COLOR CHART** in describing them

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St.,

CHICAGO

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40,000 Grafted and Own Root Rose Plants

Grafted Stock: Richmond, White Killarney, Pink Killarney, Kaiserin, 2¼-in pots. Price, \$10.00 per 100; \$100 per 1000. **Ready NOW.**
3½-inch pots, \$15.00 per 100; \$145.00 per 1000. Ready last of April.

Own-Root Stock: My Maryland, Pink Killarney, White Killarney, Richmond, Kaiserin, Perles. 2¼-in. pots. Price \$5.00 per 100; \$45.50 per 1000. Ready in April. 3 in. pots. Price \$7.00 per 100; \$60.00 per 1000. Ready in May.

CARNATION CUTTINGS: Price, \$3.00 per 100. 2¼-in. pots, \$6.00 per 1000.

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BLOOMSBURG, PA.

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THE BOSTON CO-OPERATIVE FLOWER MARKET

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Flowers, Plants and Floral Designs.

We expect this exhibition to excell all previous shows which we have held, and the premiums amounting to over eight hundred dollars, should induce strong competition. All flowers, plants and designs should be staged and ready for the Judges to pass on not later than 11 a. m., positively. The exhibition will close at 8 p. m.

W. W. TAILBY, Secretary.

NOW is the time to make up your planting list of

Chrysanthemums

It is as easily done now as a few months later and you are more likely to secure the desired kinds than by delaying till planting time. Let us quote you on your requirements now, delivery to suit you. All the best commercial kinds.

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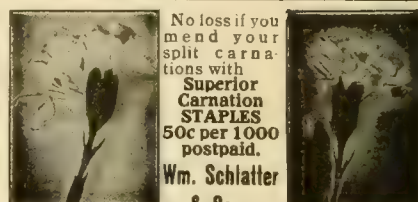
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Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market

Pat. July 27, '97. May 17, '98

GALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere.

Prompt shipment guaranteed

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Big jobs a specialty

Prices on application

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which I use exclusively in the erection of the large ranges of glass that I erect on private estates and public parks. I have increased my plant to take care of the demands made upon me for this paint by florists in all parts of the country. The Lutton reputation for high class material is back of this product. Send for a sample free of cost and then you will send your order. We also furnish materials for the complete erection of modern **Iron Frame Greenhouses**. Some of the largest growers in the country will testify to this fact.

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Write for particulars.

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Telephone Ravenswood 607.

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10 CENTS PER LINE, NET.



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Alternantheras, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

AMPELOPSIS.

Ampelopsis Veitchii, heavy, 1-year, 2 to 3 ft., strong, 50 for \$3; 100, \$3.25; Parcel Post, \$20 per 1,000; 18 to 24 inches, 50 for \$1.50; 100 for \$2; Parcel Post, \$15 per 1,000. Well rooted plants, tops cut to 6 inches for transplanting, \$12 per 1,000. Samples, 25c allowed on purchase. Chas. Black, Hightstown, N. J.

ARAUCARIAS.

Araucaria excelsa, 6-in., 4-5 tiers, \$1 each; \$12 per doz.; 7-in., 4-5 tiers, \$1.50 each; \$18 per doz. Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emman, Newton, N. J.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6 per 100; 4-in., \$1.50 per doz. Sprengeri, 3-in., 75c per doz.; \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

To make room in our houses we offer Plumosus Asparagus, extra fine, heavy plants, 3-in., \$4 per 100. Sprengeri, 3-in., \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Asparagus plumosus, 3-in., \$4 per 100; 2½-in., \$3; 2-in., \$2 per 100. Sprengeri, 3-in., \$3 per 100; 2½-in., \$2. C. Elsie, 11th and Westmoreland Sts., Philadelphia, Pa.

Asparagus plumosus and Sprengeri, 2½-in., \$2 per 100; 300 for \$5.00. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprengeri, 2½-in., \$2.50 per 100; \$25 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus and Sprengeri, 2½-in., \$3 per 100; \$25 per 1,000. James Vick's Sons, Rochester, N. Y.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

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THE SAWYER ASTERUM—Eight years of strict selection places it on the mountain top of perfection, in color, size and profit. Price (cash with order), \$8 oz.; \$4.50. ½ oz.; trade pkg., 1,000 seeds (not mixed) \$1. Colors: White, pink and lavender. Send for cuts and description. ALBERT A. SAWYER, Forest Park, Ill.

Asters, seedlings, 60c per 100; \$5 per 1,000; transp., \$1 per 100; \$7.50 per 1,000; 2 and 2½-in., \$2 per 100; \$17.50 per 1,000. Geo. A. Kuhl, Pekin, Ill.

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Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees, McHutchison & Co., 17 Murray St., New York.

Bay trees, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

BOXWOOD.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. The Storrs & Harrison Co., Palmsville, O.

Boxwoods, pyramidal, 2 ft., \$1 each; 2½ to 3 ft., \$1.75; 3 to 3½ ft., \$2.50; 3½ to 4 ft., \$3.50; 4 to 4½ ft., \$4.50. Globe shaped, 24-inch head, \$4 each; Standard, 24-inch head, \$4 each; bush shape, 2 ft., \$4.50 each. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Boxwoods, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Boxwoods, McHutchison & Co., 17 Murray St., New York.

BULBS.

Gladioli. A good mixture, \$1 per 100; \$9 per 1,000. Choice Florists' mixture, white, light and pink, \$1.75 per 100; \$16 per 1,000. Pink Augusta, best forcing pink, \$2.25 per 100; \$20 per 1,000. Cash, 250 at 1,000 rates. Also America, Augusta, Francis King, Mme. Monerret, Klondyke, George Paul, etc. Send for price list. STEVEN'S GLADIOLI CO., Saginaw, W. S., Mich.

AMERICA GLADIOLI PLANTING STOCK: Parcel Post, America, No. 3, 1 to 1¼ inch, \$10 per 1,000; No. 4, ¾ to 1 inch, \$8 per 1,000; No. 5, ½ to ¾ inch, \$5 per 1,000; No. 6, ¼ to ½ inch, \$3 per 1,000. Other sizes if wanted. CURRIER BULB CO., Seabright, Calif.

Bulleets, America, 75c per qt. Independence, 30c qt.; \$2 peck. Meadowvale, 60c qt. Blue Mixture, 60c qt. Mme. Monerret, 25c qt. Kunderd Glory, 1st size bulbs, \$4 per 100. Chamberlin & Gage, So. Natick, Mass.

Bulbs, Lilium multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, tuberous begonias, gladioli, gloxinias, fancy leaved Caladiums, cannas, dahlias, etc. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Bulbs, bedding hyacinths, white, red and blue, \$1.00 per 100; \$15 per 1,000. James Vick's Sons, Rochester, N. Y.

Gladioli "Peace," large blooming bulbs, \$2 per doz.; \$100 per 1,000. "War," large blooming bulbs, \$1.50 each; \$15 per doz. Arthur Cowee, Meadowvale Farms, Berlin, N. Y.

Bulbs, caladiums, gladioli, cannas, tuberose. For prices see advertisement elsewhere in this issue. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, begonias, hyacinths, tulips, Narcissus, etc. M. J. Guldemond, Lisse, Holland.

Fisher's Purity Freesia bulbs, if in the market for summer delivery get our prices before buying. Currie Bulb Co., Seabright, Calif.

Bulbs, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Bulbs, McHutchison & Co., 17 Murray St., New York.

Bulbs of all kinds, J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds James Vick's Sons, Rochester, N. Y.

CALLAS.

GODFREY CALLAS. 2½-in., \$4.00 per 100. CONARD & JONES CO., WEST GROVE, PENNSYLVANIA.

CANNAS.

Cannas. Fine dormant 2 to 3 eye bulbs. Cinabar and mixed, 75c per 100. Sec. Chabanne, \$1 per 100. Pres. Cleveland, Paul Marquant, \$1.50 per 100. Pennsylvania, C. F. Read, \$2.50 per 100. Papa Nardy \$4 per 100. WAGNER PARK CONSERVATORIES, Sidney, Ohio.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

IMPROVED CANNAS.

"There can be no question that could the florists see these cannas, they would be in every collection in the country."—John Welsh Young, referring to CONARD & JONES' CANNAS.

Mrs. Alfred F. Conard, pink, \$35.00 per 100
Beacon, red, 20.00 per 100
Gladiolora, variegated, 15.00 per 100
Meteor, red, 25.00 per 100
Rosa gigantea, pink, 25.00 per 100
Wm. Saunders, red, bronze leaf, 10.00 per 100
Mt. Blanc, near white, 10.00 per 100
Kate F. Doerner, yellow, 35.00 per 100
F. o. b. at headquarters for improved cannas.
Write for complete list to

THE CONARD & JONES CO., WEST GROVE, PENNSYLVANIA.

Cannas, best named varieties. F. F. Scheel, Shermerville, Ill.

Cannas, ready to pot, delivery now or later. Florence Vaughan, Chas. Henderson, Egandale, \$2.50 per 100. Pennsylvania, Louisiana, large flowered, \$3 per 100. P. Pearson, 5732 Gunnison St., Chicago.

Cannas, mixed, \$9 per 1,000; named vars., \$15 per 1,000. V. L. Crawford, Meridian, Miss.

CAPE JASMINES.

Cape Jasmine. Remember you will get your orders filled if you order buds from The Texas Coast Jasmine Farms. Watch for our large ad. later. R. W. Woodward, Mgr., Alvin, Texas.

CARNATIONS.

ROOTED CARNATION CUTTINGS. 150,000 in the following varieties ready for immediate deliveries:

	Per 100	Per 1,000
The Herald, scarlet	\$12.00	\$100.00
Gloriosa, medium pink	4.00	35.00
White Wonder, pure white	3.00	25.00
White Enchantress	2.00	20.00
White Perfection	3.00	25.00
Enchantress, flesh pink	3.00	25.00
Princess Charming, flesh pink	3.00	25.00
May day, deep flesh	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Washington, dark pink	3.00	25.00
(Sport of Enchantress)		
Victory, scarlet	3.00	25.00
Scarlet Glow, scarlet	3.00	25.00
Bonfire, scarlet	3.00	25.00
Beacon, scarlet	3.00	25.00

CHICAGO CARNATION CO., 30 E. Randolph Street, Chicago, Ill.

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1,000
Enchantress	2.00	18.00
White Enchantress	2.00	20.00
Princess Charming	2.00	20.00
White Lawson	1.50	12.50
White Perfection	2.00	18.00
Victory	1.50	12.50
Bonfire (finest red)	3.00	25.00

WIETOR BROS., 162 N. Wabash Ave., Chicago, Ill.

Carnation cuttings for immediate delivery. Extra strong plants from soil. Enchantress and White Enchantress, \$3 per 100; \$25 per 1,000. Write for prices on the following varieties from sand: Wodenethe, White Wonder, White Enchantress, Enchantress, Beacon, and Rose Pink Enchantress. J. D. Thompson Carnation Co., Joliet, Ill.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Dailledouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

For immediate shipment, strong guaranteed cuttings that will produce fancy stock. Beacon, White Perfection, Enchantress, \$20 per 1,000. White Enchantress, \$25 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Carnation cuttings, \$3 per 100; 2½-in., 6 per 100. J. L. Dillon, Bloomsburg, Pa.

Carnations, chrysanthemums. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Carnations, Champion, \$12 per 100; \$100 per 1,000; 2,500 for \$237.50; 5,000 for \$450. Yellowstone and Yellow Prince, \$6 per 50; \$10 per 100; \$80 per 1,000; \$178.50 per 2,500; \$350 per 5,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Light Pink Enchantress, \$12.50 per 1,000. White Enchantress, \$17.50 per 1,000. Percy Jones, 56 E. Randolph St., Chicago.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

ROOTED CUTTINGS—READY NOW.

\$1.50 per 100; \$12.50 per 1,000.
Oct. Frost, Monrovia,
Early Snow, Halliday,
Geo. S. Kolb, Appleton,
C. Touset, Major Bonnaillon,
F. Pullman, Golden Wedding,
White Cloud, J. K. Shaw,
Mrs. Buckbee, Maud Dean,
Des Jonis, Jeanne Rosette,
Queen, Silver Wedding,
Clay Frick, Admiral Schley,
Nellie Pocket, Cullingsfordii,
Lynwood Hall, Champaign,
White Bonnaillon, W. R. Church,
Yanoma, L'Africaine,
Early Yellow,
Director Gerard,

MEMPHIS. TENN.
FOR SALE—Chrysanthemums, Smith's Advance, Pacific Supreme, \$1.50 per 100; \$12 per 1,000. Rooted cuttings: Vinca variegata, 500, 2-in., \$8. Mme. Sallerol geraniums, \$500, 2-in., \$8. D. W. Leatherman, Anderson, Ind.

Chrysanthemums, Alice Byron, Enguehard, Golden Glow, Nonin, Major Bonnaillon, Maud Dean, V. Pullman, \$15 per 1,000. Shepard's Garden Carnation Co., 292 Fairmount St., Lowell, Mass.

Chrysanthemums, rooted cuttings and 2½-inch. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, rooted cuttings, Jeanne Nonin, Nagoya, Pacific Supreme, Major Bonnaillon, \$1 per 100. Chas. Razer, best white, \$1.50 per 100. Edward Wallis, Berlin, N. J.

Chrysanthemums, all the money making varieties. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, rooted cuttings. Erie Floral Co., Erie, Pa.

CLEMATIS.

Clematis, blue and white, 2-year, 40c each; \$3.50 per doz.; 2-year paniculata, 35c each; \$3 per doz. Geo. A. Kuhl, Pekin, Ill.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, 2½-in., Verschaffeltii and Golden Bedder, 50c per doz.; \$3 per 100. Anna Pfitzer and John Pfitzer, 50c doz.; \$3 per 100; Black Prince, 75c per doz.; \$5 per 100. Vaughan's Seed Store, Chicago and New York.

Coleus, April 28, red, yellow and assorted, \$6 per 1,000; 2½-in. pots, \$2 per 100. A. M. Herr, Lancaster, Pa.

Coleus, 10 vars., 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, Verschaffeltii and G. Bedder, 60c per 100. The Erie Floral Co., Erie, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEUM, finest strain in existence, including GLORY OF WANDSBEK, finest salmon, orchid flowering, Rococo; strong transplanted seedlings, \$3.00 100; \$25.00 1,000. Cash, please.

Rober & Radke, Maywood, Ill.

Cyclamen giganteum, choicest mixture, 3-in., \$5 per 100. Cash. John Bauscher, Freeport, Ill.

DAHLIAS.

Dahlias, 100,000 field-clumps; 100 varieties of cream. Get list. Benj. Connell, Florist, Merchantville, N. J.

Dahlias, standard and new cut flower varieties. Lindhurst Farm, Hammononton, N. J.

DAISIES.

Daisies, yellow, 3-in., \$4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

DRACAENAS.

Dracena, Lindeni and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz. Vaughan's Seed Store, Chicago and New York.

Dracena indivisa, 2-in., 50c per doz.; \$3 per 100; 3-in., 75c per doz.; \$1 per 100; 4-in., \$1.50 per doz.; \$10 per 100; 5-in., \$3 per doz.; \$20 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Dracena Ind., fine stock, big plants, 3-in., \$5; 4-in., \$8; 5-in., \$15 per 100; 6-in., 25c each. Cash. J. W. Miller, Shiremanstown, Pa.

Dracenas. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dracena indivisa, fine large 3-in., \$5 per 100; 4-in., \$8 per 100. Cash. John Bauscher, Freeport, Ill.

Dracena Massangeana, 6-in., \$1 to \$1.75 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmaus, Newton, N. J.

FERNS.

FERNS.

Scotti, 2½-in., \$4 per 100; Scholzelii, \$4 per 100; \$35 per 1,000. Boston, \$4 per 100; \$35 per 1,000.

DWARF FERNS FOR FERN DISHES. These dwarf ferns are used by the hundreds of thousands to fill dishes for table decorations. Our sales each year exceed fifty thousand plants. Our stock is in prime condition, ready to use at once. We offer 9 choice varieties, Pteris Cretica, Aboloneata, Vitoria, Wilsoni, Mayii, Pteris Multiceps, Aspidium Tussimense, Sieboldii, Wimssetti, Cyrtomium Falcatum or Holly Fern. Price 50c per doz.; \$3.50 per 100; \$30 per 1,000. Our new catalog giving prices on ferns, roses and all other plants ready now. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World.
Box 18. Springfield, Ohio.

Ferns, Boston, 2-in., \$3 per 100; 4-in., \$1.50 per doz.; 5-in., 25c each; \$3 per doz.; 6-in., 50c each; \$6 per doz.; 7-in., 75c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz.; 9-in., \$1.50 each; \$18 per doz. Larger ones \$2 to \$2.50 each and up. Ferns assorted, for dishes, 2-in., \$3 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, Boston, 2½-in., \$3 per 100; \$30 per 1,000. Roosevelt, 2½-in., \$5 per 100; \$40 per 1,000. Whitman Compacta, 2½-in., \$5 per 100; \$40 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns for dishes, 2-in. assorted, to clean out. \$2.50 per 100; \$20 per 1,000. Transplanted seedlings, \$1 per 100; \$9 per 1,000. Rober & Radke, Maywood, Ill.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

BOSTON FERNS, 2½-in., bushy plants, ready to shift, \$3.50 per 100. Cash. JOHN BAUSCHER, JR., Freeport, Ill.

Ferns for dishes, assorted, 2½-in., \$3.50 per 100. \$30 per 1,000; 500 at 1,000 rates. Frank Oechslein, 4911 W. Quincy St., Chicago.

Extra strong Boston Springfield runners, \$1 per 100; \$9 per 1,000. Cash. Satisfaction guaranteed. Newell & Ustler, Apopka, Florida.

Table ferns, 10 varieties, 2½-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100; \$55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmaus, Newton, N. J.

Ferns. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica 5-in., 35c each; 6-in., 50c each; 7-in., 75c. Ficus Pandurata, 6-in., 7-in. and 8-in., \$1.50, \$2.50 and \$3.50 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus pandurata, 6-in., \$3.50 each. Elastica, 6-in., 75c to \$1 each. Poehlmann Bros. Co., Morton Grove, Ill.

GERANIUMS.

GERANIUMS.

Good, healthy, fall-rooted plants from 2½-in. pots at \$3 per 100; \$27.50 per 1,000, except where noted; Beaute Poitevine, Marquis de Castellane, S. A. Nutt, Jean Vaud, La Favorite, A. Ricard, Mme. Landry, Mrs. E. G. Hill, Heteranthus, M. Jaulin, Red Wing (6c each). Our new catalog of everything you need mailed upon application. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World.
Box 18. Springfield, Ohio.

Geraniums, strong, stocky plants in bud and bloom, S. A. Nutt, Ricard, Beaute Poitevine, White Buchner, 4-in., 7c; 3½-in., 6c; 2½-in., 2½c; good stock, guaranteed. Cash with order. Gus. Schlegel, Olney, Ill.

5,000 Nutt, 2,000 La Favorite, 2½-in., extra strong cool grown stock, ready for 3½-in. or 4-in. pots, would make fine stock for Memorial Day. Sample on request, \$2 per 100; \$18 per 1,000, properly packed. Cash please. D. E. Adst. Jamestown, Ohio.

Geraniums, Mme. Sallerol, 2-in., \$2 per 100; \$18 per 1,000. Other varieties all sold till end of April. Rober & Radke, Maywood, Ill.

GERANIUMS.

Rooted Cuttings Ready Apr. 15 to 20.

Per 100 Per 1,000
10,000 Nutt and other reds.....\$1.50 \$14.00
2,500 Salmon and pink 1.75 16.00
All pot stock ready.

2½-inch—Reds 3.00 25.00
Pink, Salmon and White 3.50 30.00
3-inch—Reds 4.50 40.00
Pink, Salmon and White 5.00 45.00
4-inch—Reds 7.00 65.00
Pink, Salmon and White 8.00 75.00
These are special prices for cash. Satisfaction guaranteed and good only for orders received by April 10. GEO. A. KUHLE, PEKIN, ILL.

NEW AMERICAN BEAUTY.

FOR THE FIRST TIME WE ARE OFFERING THIS WONDERFUL NEW GERANIUM TO OUR MANY CUSTOMERS. WRITE FOR COLORED CUT AND PRICES ON LARGE LOTS. 2½-IN. POTS, 50c EACH; \$5 PER DOZ. CASH.

JOHN BAUSCHER,

104 CHICAGO ST. FREEPORT, ILL.

50,000 S. A. NUTT.

FOR IMMEDIATE DELIVERY. Extra strong top cuttings, well rooted, \$10 per 1,000. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, 1,000 4-in. pot grown plants, Nutt, Landry, Ricard, Vaud, \$65 for 1,000; or in lots of 100, \$8. P. Pearson, 3732 Gunnerson St., Chicago.

Geraniums, 2-in., strong, sturdy plants, \$20 per 1,000. Cash with order. M. C. Gunterberg, 82 East Randolph St., Chicago.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmaus, Newton, N. J.

Geranium Scarlet Bedder, \$1.50 per ten; \$12.50 per 100; \$100 per 1,000. Elmer D. Smith & Co., Adrian, Mich.

Mrs. Layal (pansy geranium) 2½-in., 85c per doz.; \$6 per 100. Vaughan's Seed Store, Chicago and New York.

Geraniums, S. A. Nutt, and 4 others, 3-in., \$4 per 100; 2½-in., \$3. Jos. H. Cunningham, Delaware, O.

Geraniums, May 5 and after, \$10 per 1,000 for Nutt and Poitevine; \$12.50 for Ricard. A. M. Herr, Lancaster, Pa.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Fainesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut-Flower Exchange, 38-40 Broadway, Detroit, Mich.

Bronze galax, \$5 per case; 5 or more cases. \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Magnolia leaves, cypress leaves, American oak sprays, ruscus. Oscar Leistner, 17 N. Franklin St., Chicago.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Wild smilax, 16 cubic feet cases, \$3 per case. Caldwell The Woodsman Co., Evergreen, Ala.

Fancy ferns, \$1.50 per 1,000. Robert Groves, Adams, Mass.

Wild Smilax. Jas. E. Pinkston, Louisville, Ala.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

HYDRANGEAS.

Hydrangeas, 50c, 75c and \$1. Hardy hydrangeas, four year plants, 50c each; \$5 per doz. Geo. A. Kuhl, Pekin, Ill.

Hydrangea Otaksa, field-grown, 3 to 10 shoots, 10c to 35c. The Erie Floral Co., Erie, Pa.

Hydrangeas Otaksa, 2½-in., 3c. Rober & Radke, Maywood, Ill.

IVIES.

English ivy, 4 ft., 4-in. pots, \$15 per 100; 4½-in., \$20. Bobbink & Atkins, Rutherford, N. J.

Ivy, English, 3-in., \$4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

English ivy, R. C., 75c per 100; prepaid. Chas. Frost, Kenilworth, N. J.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the valley. Grow Bruns' celebrated Chicago Market, the finest forcing valley in America, \$18 per 1,000; \$9.50 per 500; \$5 per 250; Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MANETTI.

ENGLISH MANETTI STOCKS. A bargain, to close out surplus quick. Well rooted, carefully regraded and everything undersized or not up to strictly first quality discarded. It pays to buy regraded, repacked stocks. We offer 5-8 mm grade at \$12 per single thousand; 5-8 mm grade, \$8 per thousand; \$65 per ten thousand, to close them up quickly. Orders can be filled the same day we get them. Wire and say whether to ship by freight or express. Jackson & Perkins Co., Newark, New York.

MARGUERITES.

Marguerites, Sanders, 3-in., 5c; 4½-in., 10c. Large flowering and California, single, 2-in., 2c; 3-in., 4c; 4½-in., 8c. Mostly budded. Rober & Radke, Maywood, Ill.

New double marguerite Mrs. F. Sander, large yellow winter-flowering, and Queen Alexandra, 2½-in., \$2 per 100. Cash. John Bauscher, Freeport, Ill.

Marguerites, Mrs. F. Sander, 60c per doz.; \$4.50 per 100. Queen Alexandra, 60c per doz.; \$3.50 per 100. Vaughan's Seed Store, Chicago and New York.

MOSS.

Sphagnum moss, 1 bale, \$1.80; 5 bales, \$3.60 each; 10 bales, \$3.40 each; 25 bales, \$3.20 each. Live moss, \$1.25 per bbl. Rotted peat, 60c per sack. J. H. Sprague, Barnegat, N. J.

Green sheet moss, 1 bale (5 bundles) \$1.25; 5 bales (25 bundles), \$6. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

Sphagnum Moss, 10 burlap bales, \$13.50; 10 wired bales (large), \$11. Vaughan's Seed Store, Chicago.

Moss, surplus of 12 barrel bale New Jersey moss, delivered anywhere in Chicago, \$5 per bale, 2 or more bales, \$4.75 per bale. Klehm's Nurseries, Arlington Heights, Ill.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, evergreens, herbaceous perennials and deciduous trees, shrubs, roses and vines. The New England Nurseries Co., Bedford, Mass.

Evergreen hedges and hardy phlox. Adolf Mullett, Norristown, Pa.

Nursery stock. W. Van Kleef & Sons, Boskoop, Holland.

ORANGES.**ORANGE OTAHEITE.**

From 2½-in. pots, \$3 per 100; \$27.50 per 1,000. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Osmundine (Osmunda fibre or orchid peat.) The C. W. Brownell Co., Walden, N. Y.

PALMS.

Palms. Kentia Forsteriana and Belmoreana, all sizes from 4-in. to 12-in. tubs, 35c to \$15 per plant. Poehlmann Bros. Co., Morton Grove, Ill.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Palms. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Kentia Belmoreana, 3 leaves, \$1 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Palms. McHutchison & Co., 17 Murray St., New York.

PANDANUS.

Pandanus Veitchii, 3-in., 35c each; \$4.20 per doz.; extra strong plants, \$1.50, \$2 and \$3 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Pandanus. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

PANSIES.

Pansies, 60,000 large stocky (Sept. transplanted), field-grown, blooming pansy plants. Henry Mett's strain, \$1 per 100; \$10 per 1,000. Cash. The Brill Celery Gardens, Kalamazoo, Mich.

PANSIES, finest French mixtures. Strong seedlings, 35c per 100; \$2.50 per 1,000. Transplanted seedlings, 60c per 100; \$8 per 1,000. RORFR & RADKE, Maywood, Ill.

Pansy seedlings, our own strain, \$5 per 1,000 by parcel post, prepaid. The Park Floral Co., Box 700, Denver, Colo.

Pansy plants, fall transplanted, Danish seed, in bud and bloom, \$1 per 100; \$10 per 1,000. Cash, please. Edgar Easterday, Nokomis, Ill.

Strong, stocky, fall Pansy Plants; large flowering, 50c per 100; \$4 per 1,000. Cash with order. Gus. Schlegel, Olney, Ill.

Strong, stocky, fall pansy plants, large flowering, \$4 per 100; \$2.25 per 500. P. Pearson, 3722 Gunnison St., Chicago.

Pansy plants, \$1.50 per 100. Jos. H. Cunningham, Delaware, O.

PEONIES.**PEONIES.**

"Peonies for Pleasure." This book of "Peonies for Pleasure" gives information on peony history, soil and plants to use; how and when to plant, fertilizers and how to apply, and describes the most extensive planting of really valuable Peonies ever gathered together under the sun; describes the old and the new as well as the plebeian and aristocrat of the Peony family. If you want information on the plant that stands next to the Rose in beauty, that is practically known to the amateur as simply a red, white and pink Peony, then send for "Peonies for Pleasure." We also issue a special wholesale price list of Peonies for Fall Sales, 1913. Send for both of these booklets. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

PETUNIAS.

Double petunias, white and lavender, \$4 per 100; 2½-inch stock. Kebeley & Shelnutt, Columbus, Ga.

RHODODENDRONS.

Rhododendrons. The Storrs & Harrison Co., Painesville, O.

Rhododendrons. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Rhododendrons. L. R. Stricker & Co., Asheville, N. C.

PRIMULAS.

Primula obconica, in bud and bloom, 6ne 3-in., ready for 4-in., \$3.50 per 100. Cash. John Bauscher, Freeport, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Primula obconica, 3-in., \$3.50 per 100. Geo. A. Kuhl, Pekin, Ill.

ROSES.**STOCK FOR SALE.**

ROSES—For Summer Bedding—Bessie Brown, Pink Maman Cochet, White Maman Cochet, Gruss an Teplitz, Helen Good, Hermosa, Helen Gould, Lady Hillingdon, Miss Alice de Rothschild, Mrs. Taft, (Antoine Rivoire), President Taft, Rhea Reid, Sunburst, Tausendschon, (Exselsa) Red Dorothy Perkins, Dorothy Perkins, Lady Gay, Crimson Rambler, Wm. R. Smith and all other bedding Roses from 2½ and 4-in. pots. Our new catalog giving prices on all roses and other plants ready now. Write for it today.

THE GOOD & REESE CO.

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

Roses, 5 and 6-in. pots, hybrid teas, hybrid perennials, teas and everblooming. Rambler, Baby Ramblers, moss roses, hybrid sweet briars, Austrian briars, Wichuriana, etc. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Roses, grafted, Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$10 per 1,000; \$100 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95 per 1,000 in 100,000 lots. Killarney Queen, \$15 per 100; \$120 per 1,000. Own root: White Killarney, Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6 per 100; \$55 per 1,000. Richmond, 2½-in., \$5 per 100; \$45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

ROSE PLANTS.

My Maryland, 2½-inch. Strong plants, \$3.50 per 100; \$30 per 1,000.

One Year Old Bench Plants.

Pink and White Killarney, \$3.50 per 100; \$30 per 1,000.

American Beauties, \$6.00 per 100; \$50 per 1,000.

GEORGE REINBERG.

162 North Wabash Ave., Chicago.

Roses, 2½-inch plants. Am. Beauties, \$5 per 100; \$45 per 1,000. White Killarney, Pink Killarney, Melody, Sunrise, \$4 per 100; \$35 per 1,000. Richmond, \$3 per 100; \$25 per 1,000. 2-year Bench plants: Am. Beauties, \$6 per 100; \$55 per 1,000. White Killarney, Pink Killarney, Richmond and Sunrise, \$4 per 100; \$35 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

ROSE PLANTS.**2½-in. fine young stock**

	Per 100	Per 1,000
Richmond	\$3.50	\$30.00
My Maryland	4.00	35.00

WIETOR BROS.

162 N. Wabash Ave., Chicago.

Roses, grafted, Richmond, White Killarney, Pink Killarney, Kaiserin, 2½-in. pots, \$10 per 100; \$100 per 1,000; 3½-in., \$15 per 100; \$145 per 1,000. Own root: My Maryland, Pink and White Killarney, Richmond, Kaiserin, Perles, 2½-in., \$5 per 100; \$45 per 1,000; 3-in., \$7 per 100; \$60 per 1,000. J. L. Dillon, Bloomsburg, Pa.

ROSE CUTTINGS, Lady Hillingdon, \$25 per 1,000. White Killarney, \$18 per 1,000. Seedling Smilax, \$4 per 1,000. Cash with order. L. B. Coddington, Murray Hill, N. J.

Nice young ROSE STOCK from 2½-in. pots: American Beauties, \$6 per 100; \$50 per 1,000. Kaiserin Aug. Victoria, \$4 per 100; \$25 per 1,000. J. A. Budlong, 82 East Randolph St., Chicago.

5,000 American Beauty Bench Plants, \$6.50 per 100; \$60 per 1,000. WIETOR BROS., 162 North Wabash Ave., Chicago.

Roses, Baby Rambler, Souper, Hermosa and White Rambler, 5-in., 50c each. Geo. A. Kuhl, Pekin, Ill.

Roses, Kaiserin, 2 and 3-year, bench plants, dormant condition, \$10 per 100. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Leedle Floral Co., Springfield, O.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Roses, 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses, Bobbink & Atkins, Rutherford, N. J.

Roses, W. & T. Smith Co., Geneva, N. Y.

ROOTED CUTTINGS.

Rooted Cuttings: Abutilon Savitzi, Acalypha Macafeana, Schryanthus Emersoni, ageratum, 6 vars.; alternantheras, 8 vars.; alyssum, 6bl. giant and dwf.; Begonia Vernon, Gracilis luminosa, Cuphea, Coleus, 10 vars.; Coleus Brilliant, Chrysanthemums, 75 pompon vars.; heliotrope, hardy English, 15 vars.; laurata, 15 vars.; lemon verbenas, moonvines, petunias, Salvia Bonfire and Zurich; parlor ivy, Swainsona alba and roses: R. Vincent, Jr., & Sons Co., White Marsh, Md.

Rooted Cuttings—Ageratum Gurney and Dwarf White. Coleus, 20 varieties, including New Yining. Tradescantia, 3 varieties, 60c per 100; \$5 per 1,000. Double fringed petunias, variegated and pink. Salvia, Zurich and Splendens, Dusty Miller, the narrow leaved variety, from soil, \$1 per 100. Cash. All the above strong, 2-in., 2c; 2½-in., 2½c. Moon Vines, grandiflora, 2½-in. strong, 5,000 ready, \$30 per 1,000; \$3.50 per 100. Cash. Wonsetler Greenhouses, Bryan, Ohio.

Rooted cuttings: Verbenas, 70c per 100; \$6 per 1,000. Ageratum, 60c per 100; \$5 per 1,000. Heliotrope, daisies, salvias, \$1 per 100; \$8 per 1,000. Feverfew, petunias, \$1.25 per 100; \$10 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Alyssum, double, \$1 per 100; \$8 per 1,000. S. D. Brant, Clay Center, Kans.

SEEDS.

Seeds, cauliflower, white Tripoli onion, (crystal wax) and all other vegetable and flower seeds. Dammann & Co., San Giovanni a Teduccio near Naples, Italy.

If You Do Not Find What You Need In Our Ready Reference Department, Write Us About It.

THE POINT OF COST.

¶When you can build a greenhouse just as strong, light and durable as your neighbors—but **at about one half it's cost**—by eliminating some expensive features which have failed to be an "improvement" over our time-tested construction—**why not investigate.**

¶Greenhouse material and hotbed sash of Louisiana Cypress and Washington Red Cedar.

A. DIETSCH CO., 2642 Sheffield Ave., Chicago

Seeds, beans, beets, cabbage, carrots, Kohlrabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

THE SAWYER ASTERMUM—Eight years of strict selection places it on the mountain top of perfection, in color, size and profit. Price (cash with order), \$8 oz.; \$4.50 ½ oz.; trade pkg., 1,000 seeds (not mixed), \$1. Colors: White, pink and lavender. Send for cuts and description. **ALBERT A. SAWYER**, Forest Park, Ill.

Flower seeds. For varieties and prices see advertisement elsewhere in this issue. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Seeds, lawn grass, "Dickinson's"—Green-sward Evergreen—Pine Tree. The Albert Dickinson Company, Minneapolis and Chicago.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, specialties: Beets, mangoes, carrots, cabbage, celeries, parsleys, parsnips, turnips, R. & M. Godineau, Angers, France.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Robnett, Gilroy, Calif.

Seeds, pepper, asparagus, tomato, musk and watermelon. J. E. Hoopes & Co., Box 38, Muscatine, Iowa.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onions, lettuce, carrot, radish. Bral-lan Seed Growers Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds, lawn grass. J. Oliver Johnson, 1874-76 Milwaukee Ave., Chicago.

SMILAX.

Smilax, 4-in., \$1 per doz. C. Elsele, 11th and Westmoreland Sts., Philadelphia.

Smilax, 3 times cut back, 2½-in., \$1.50 per 100. Cash. John Bauscher, Freeport, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons. Ramburg's famous silver pink, rooted cuttings, \$2 per 100; extra strong 2½-in., \$3.50 per 100. Addams, Morgan & Co., Paxton, Ill.

STEVIA.

Stevia, rooted cuttings, \$1 per 100. Cash. John Bauscher, Freeport, Ill.

STRAWBERRIES.

Full bearing strawberry plants; best varieties; catalogue free. Basil A. Perry, Cool Spring, Del.

VEGETABLE PLANTS.

800,000 vegetable plants, cabbage, cauliflower, tomato (100 postpaid 60c), 1,000, \$4. Beets, lettuce, asters (100 postpaid 35c), 1,000, \$2. Glick's Plant Farms, Lancaster, Pa.

Asparagus roots, 2-year-old, Barr's Mammoth, Columbian Mammoth White, Conover's Colossal and Dreer's Eclipse, 50c per 100; \$4 per 1,000. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Tomato plants, Sutton's Best of All and Bonny Best, the latter from greenhouse grown seed; extra strong 2½-in., \$2 per 100. Addams, Morgan & Co., Paxton, Ill.

For Sale.—Strong pieplant divisions, Linnaeus and Victoria, \$4 per 100; \$25 per 1,000. Mos-bach Greenhouse Co., Onarga, Ill.

VERBENAS.

Verbenas, Defiance, red; Mayflower, pink; Mammoth, purple; Italian, striped; all strong seedlings, ready for 2-in. pots, prepaid, \$6 per 1,000; \$1.75 for 250. P. Pearson, 5732 Gunnison St., Chicago.

Verbenas, transplanted seedlings, the finest mammoth and named varieties, in separate colors, 75c, 100; \$6.00, 1,000. Cash. ROBER & RADKE, Maywood, Ill.

VINCAS.

For Sale—10,000 Vincas in thumbs, \$15 per 1,000; also 10,000 rooted cuttings, \$9 per 1,000. Cash please. Carrie M. Howell, 1025 Pine St., Springfield, Ohio.

Vinca variegata, rooted cuttings, 60c per 100; \$5 per 1,000; strong 2½-in., pot plants, \$2 per 100; \$18.50 per 1,000. Cash with order. MEM-PHIS FLORAL CO., Memphis, Tenn.

VIOLETS.

Violets, Princess of Wales, California and Luxonne, rooted cuttings, clean and strong, \$1 per 100; \$9 per 1,000. Cash with order. J. Gilmet, Moylan, Del. Co., Pa.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintendent erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material of all kinds. Hotbed sash. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Building material, Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, New York.

CARNATION STAPLES.

SUPERIOR CARNATION STAPLES.
Mend your split carnations. Finest article for carnation growers introduced so far, 50c for 1,000, postage paid.

MICHIGAN CUT FLOWER EXCHANGE.
38-40 Broadway. Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse constructions, semi-iron green houses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing avenue, Brooklyn, N. Y.

MISCELLANEOUS.

Moisture proof flower boxes. For sizes and prices see advertisement elsewhere in this issue. A. A. Arnold, Dept. F, 16-22 S. Peoria St., Chicago.

Revere garden hose; made in 500 ft. lengths. Revere Rubber Co., Boston, Mass., New York, Philadelphia, Chicago, Pittsburg, New Orleans, Minneapolis, San Francisco.

Coal, Oak Ridge and Possum Ridge our two specialties. Southern Illinois Coal and Coke Co., main office, People's Gas Bldg., Chicago.

The Hontsch boiler. J. P. Dalborn, general agt. U. S. A., Grand Central Palace, New York City.

Threads, all kinds (Green Silakline). John C. Meyer Thread Co., Lowell, Mass.

Paasche "3-in-1" Air Brush, Paasche Air Brush Co., 3A, 9 So. Clinton St., Chicago.

PRINTING.

Special Florists' Printing. Sample free. Oscar Fink, Pottstown, Pa.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS.
Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS AND FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

STAKES.

Cane Stakes, Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

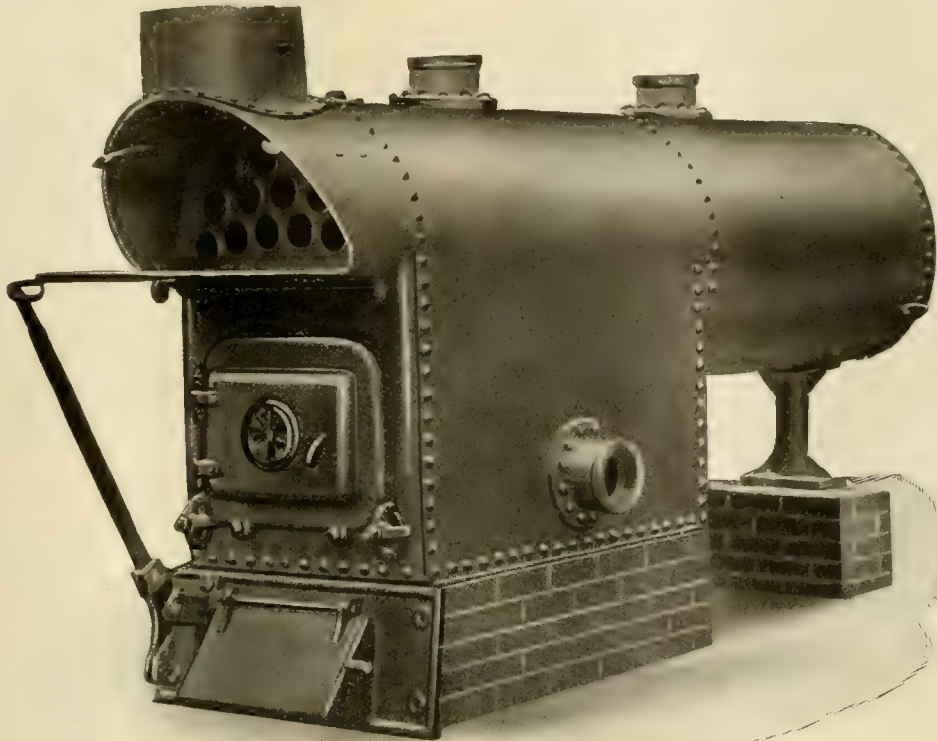
THE "SUPERIOR STANDARD" BOILER

MOST DURABLE, RAPID AND ECONOMICAL
GREENHOUSE HEATING BOILER ON THE MARKET.

Made for Packed Hub Joints or Screwed Fittings.

GREENHOUSE HEATING

IS UNEQUALLED FOR



Made in 9 Sizes.

SUPERIOR MACHINE AND BOILER WORKS

846-848 West Superior Street, CHICAGO, ILL.

King Construction Co.'s New Work.

The King Construction Co., North Tonawanda, N. Y., announces that through its Philadelphia, Pa., representative, C. H. Twinn, orders for the following greenhouse construction have been recently entered:

Morton, Pa.—Frame greenhouse, 20x60 feet, will be erected complete with heating for John W. White, whose original establishment built two years ago was also furnished by this company.

Moorestown, N. J.—Semi-iron or pipe frame greenhouse, 32x100 feet, will be erected for Louis Feun, who has recently been with Walter P. Stokes, seedsman, who has a large range of King houses.

Colgate, Md.—J. S. Merritt will build a King iron frame greenhouse 32x150 feet.

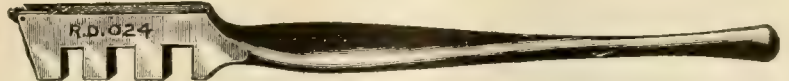
Baltimore, Md.—Lehr Brothers will build a King flat rafter iron frame greenhouse, 60x225 feet.

Fullerton, Md.—Schroeder Brothers will build a King iron frame greenhouse, 42x200 feet.

Doylestown, Pa.—John Andre will build a King semi-iron or pipe frame house, 35x175 feet. This is to be attached to a King house built by Mr. Andre two years ago.

IT MAKES NO DIFFERENCE TO A "RED DEVIL"

What grade of glass is to be cut. This "RED DEVIL" will cut it.



No. 024 *"It's all in the wheel"* Glass Cutter

The original "RED DEVIL," the one tool the glaziers know and use. It never had an equal and we doubt if it ever will. Millions have been sold. It is known throughout the world as the cutter supreme. It is sold everywhere and used everywhere. You use it for your greenhouse glass? No. Well, send us three 2c stamps and we shall send you ONE free sample. All we ask is that you try it.

SMITH & HEMENWAY CO., 150 Chambers St., N. Y.

STOCKTON, CALIF.—The San Joaquin Floral Co.'s store has been closed as a result of attachment proceedings by creditors. Members of the firm say the embarrassment is temporary and that they will resume business.

BOSTON, MASS.—The Boston Florists' Club has been formed and the following officers elected: Henry Penn, president; Henry Comley, vice-president; B. H. Green, secretary; Julius Zinn, treasurer.

W. M. WOOD, President.

W. A. JEPSON, Vice-Pres. and Gen'l Mgr.

H. J. POTTER, Treasurer.

Southern Illinois Coal & Coke Company



Oak Ridge Possum Ridge OUR TWIN SPECIALTIES.

From the Heart of the Famous Carterville
and Franklin County Field.

AN IDEAL FUEL FOR FLORISTS.

Write us or Phone us for Prices.
Capacity One Million Tons Annually.

MAIN OFFICE:

People's Gas Building, Chicago.

W. J. SMITH,
Assistant Sales Manager,
Chicago, Ill.

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S. W. Sales Agent, Central
National Bank Building,
St. Louis, Mo.

W. G. WEIGLE, Chicago Representative.

Phone, Randolph 3916-3917.

Greenhouse Glass

Superior Quality
and Right Prices

Let Us Quote You. We Can Save You Money.

Baur Window Glass Co.,
EATON, IND.

Canton, O.

TOWN ESCAPES FLOOD.

Ideal weather up to noon Easter Sunday served to increase the volume of business far ahead of last year. However the rain began at noon and kept it up for three days. Fortunately Canton escaped damage by the flood. Massillon, eight miles distant, suffered a big loss.

As an appreciation of the good work done by the young ladies who sold flowers for the flood victims, they were banqueted April 3 at the Courtland hotel by Mrs. Charles Brown, assisted by Mrs. M. C. Barber, a sister of the late Mrs. Wm. McKinley.

The Brown Floral Co., for the relief of the flood sufferers, on Saturday, March 29, donated its entire two days' cut of carnations to the flower mission. Three hundred dollars was realized from this sale.

DIXON, ILL.—C. H. Fallstrom, proprietor of the Dixon Flower Shop, and Louis Knick, superintendent of C. L. Baird's greenhouses, have bought the Long Flower business. The two establishments will be consolidated under the name of the Dixon Flower Shop. Mr. Fallstrom will have charge of the store and Mr. Knick of the greenhouses.

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

KEYSTONA FLAT WHITE PAINT---The Paint That Stays White

H. M. HOOKER COMPANY,

WHOLESALE GLASS, PAINTS AND PUTTY

Long Distance Phone 651-659 West Washington Boulevard, Chicago
Monroe 4994. Near Des Plaines St.

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GLASS

We are leaders. Large stock, good prices.

SHARP, PARTRIDGE & CO.
CHICAGO, ILLINOIS.

The Regan Printing House

LARGE RUNS OF
CATALOGUES

OUR SPECIALTY
WRITE FOR PRICES.

527 Plymouth Place, CHICAGO

WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste)
Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.
338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:
80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
20 State Street, Erie, Pa.

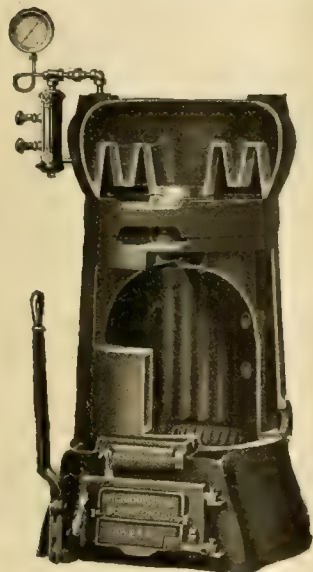
Richardson Greenhouse Boilers

HOT WATER AND STEAM

Round -- Side Feed -- End Feed

Sixty Sizes. All Capacities

THE MOST SATISFACTORY BOILERS EVER PRODUCED



Guaranteed Ratings
Economy
Ease of Management

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Established 1837.

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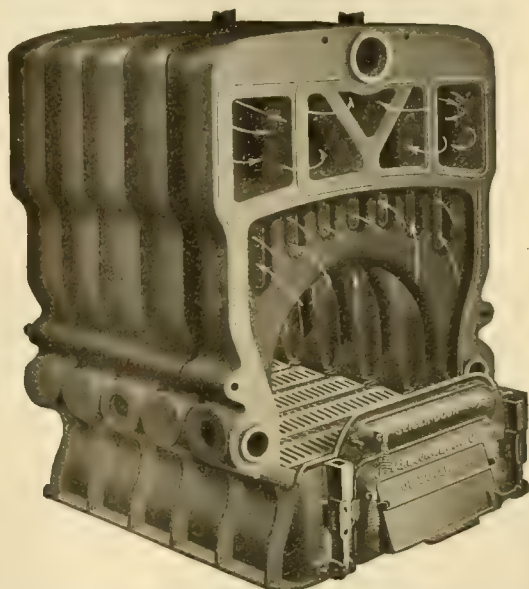
171-173 West Lake St.

CHICAGO

51 Portland St.

BOSTON

1342 Arch St., PHILADELPHIA



You Can Use The Anti-Klog

"The Sprayer of Many Uses"

in the Greenhouse for shading the glass—for killing
 plant pests—and for whitewashing.

It's the one sure way of getting Greenhouse
 profits.

Sold by dealers and seed stores everywhere.

Send for FREE Book.



Illinois Metals Company,

2440 West 22nd Street,
 CHICAGO, ILL.

Western Representatives: McDONALD SALES CO., San Francisco, Calif.



The Florists' Savings Bank

You Can Save 50 per
cent of Your Coal Bill

The Hontsch Boiler

at the International Flower
Show will show you how

J. P. DAHLBORN

GENERAL AGENT FOR U. S. A.

Grand Central Palace : NEW YORK CITY

Wichita, Kans.

WEATHER A DRAWBACK.

Earliness of date was not the only unique point concerning Easter, 1913. The early date had its advantage in that there was a plentiful supply of good flowers, bulb stock especially, and a decided drawback in the absence of favorable and inspiring spring weather which has so much to do with the buying mood of the public. Weather conditions all week were none too good, with a change for the worse Thursday. Friday was raw and altogether bad. The temperature Saturday was such special wrapping was not necessary, but it lacked much of being a genial spring day. Sunday morning threatened rain and the wind increased in velocity until by mid-afternoon it blew 60 miles an hour for a short time. Under such conditions the fact that the total business for four days was almost as large as that of last year, when weather conditions were much more favorable, is an agreeable surprise to the florists. In cut flowers there was the usual call for roses, carnations, lilies and violets. Bulbous stock sold well, especially single and double daffodils and Murillo tulips. Prices on all lines were about as heretofore. The plant trade was good, lilies leading, of course, and pans of hyacinths, daffodils and tulips moving well. Moderately low-priced made-up baskets of plants sold well. Larger ones were slower. There were some fine azaleas and spireas on the market, but they found a much poorer sale than heretofore. Hydrangeas and rambler roses shared the same fate. Taken altogether it was a strenuous proposition and everybody is glad it is over. There promises to be more spring stock than ever this season.

W. H. C.

WILLIAMSPORT, PA.—Local florists report a record breaking Easter in the sale of plants and cut flowers.

WALTHAM, MASS.—Gov. Eugene N. Foss and Herbert W. Rawson are parties to two suits brought in Suffolk superior court. In one Mr. Rawson, as administrator of the estate of Warren W. Rawson, deceased, is suing Gov. Foss to recover \$627.30 for lily bulbs furnished in 1907 and 1908. In the other the governor asks \$1,000 damages, alleging the bulbs were of poor quality. Mr. Foss lost the case once by default but appealed. He purchased the estate of Chas. V. Whitten after Mr. Whitten's death and entered the commercial lily field.

You get **Up to-date** piping systems and **High Grade** boilers when you deal with Kroeschell.

We pay no commissions to agents or dealers—our boiler is sold direct from factory to user, which **eliminates** an unnecessary **middleman's profit**.



Has the Highest Standard of Heating Values

Immense Self-Cleaning Heating Surface—
Longest Fire Travel—Perfect Combustion—
Free Circulation—Thin Waterways—Guaranteed Working Capacities—Safety—Durability—Efficiency and Economy.

Read What the Users Say

Kroeschell Heats Large Office Building.

Enclosed please find another order for No. 9 Kroeschell Boiler. This boiler is for a new office building. In reference to the two No. 3 boilers which you furnished for three buildings last year, will say that we are getting excellent results. The No. 13 is doing duty in a six-story building with 208 radiators and the owner is so well pleased with it that he has ordered a No. 10 Kroeschell for another building which he is erecting, also ordered another No. 11 Kroeschell.

LEEK & Co., Vancouver, B. C.

SEND FOR OUR CATALOGUE—DO IT TODAY.

KROESCHELL BROS. CO., 452 West Erie Street
CHICAGO, ILL.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Dreer's Peerless Glazing Points For Greenhouses

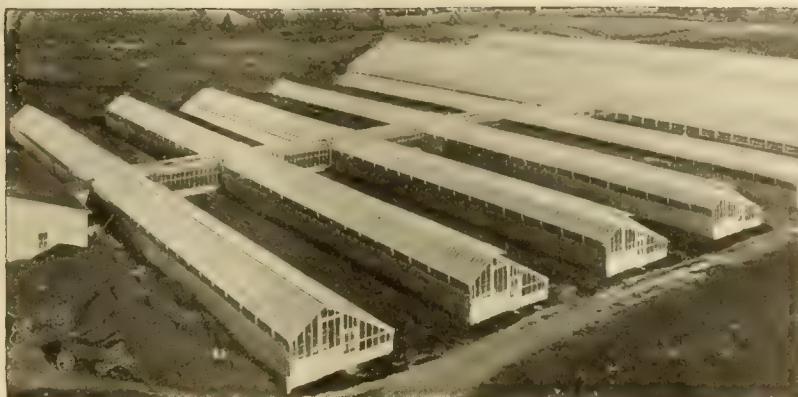
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FULL
SIZE
No. 2

The Early Advertisement Gets There.



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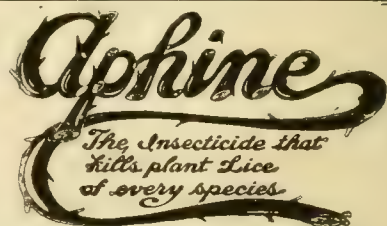
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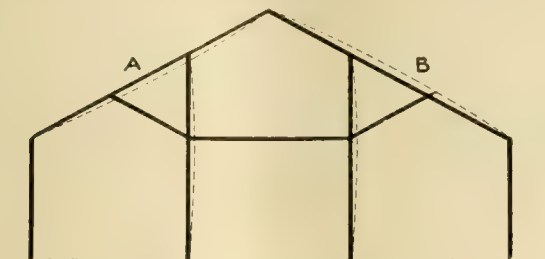
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Semi-Iron or Pipe Frame Greenhouses

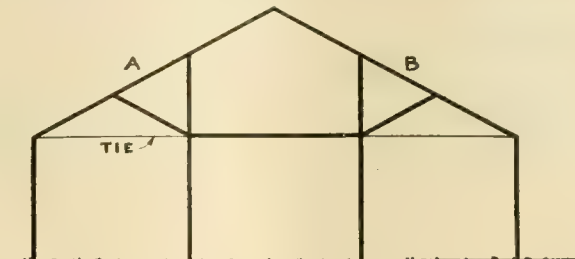
Q A Greenhouse having its framework made up partly of iron is called a Semi-Iron Greenhouse or a pipe Frame Greenhouse or a half iron greenhouse or a pipe post and purlin greenhouse, etc., according to the fancy of the builder. It all means the same thing, and that is just plain Greenhouse, and any kind of a greenhouse that has not a complete iron frame.

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Q A Semi-Iron Greenhouse can be designed to have all the stiffness and strength that can possibly be required or it may be very much lacking in these qualities. To make a good Semi-Iron House there must first be provided a sufficient number of purlins to prevent sagging of the sash bars, and these purlins must be supported by an adequate system of posts and braces. In addition the posts and braces must be tied so that the roof will hold its shape when the load is all put on one side, as is the case with wind pressure or sometimes with snow.



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CORRECT CONSTRUCTION

The illustrations show plainly a common fault in Semi-Iron Greenhouse construction. A load in the form of wind pressure or snow applied on the A-side of the roof can push this side in and the opposite side out. King Semi-Iron Greenhouses are provided with tie rods and braces which prevent the roof being put out of shape no matter how it is loaded.

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Q In no other class of greenhouse construction can the same price cover such a wide variation in quality, and unless great care be used you may, in taking the lowest priced house, get the least for your dollar. In buying a King Semi-Iron Greenhouse you get a construction in which every detail is worked out carefully and correctly, and you get material that for quality cannot be surpassed, and in some respects equalled. Our new manufacturing plant is the best arranged in the business, is the best located for assembling material at the lowest price, and is equipped with greater labor-saving machinery than any other. All of this means that you get from us the most for your dollar, even should our price not be the lowest.

King Construction Co.,

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GREENHOUSE
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SIZE 2½ POINT
No. 2. Large single thick glass.
No. 2½. Double thick.
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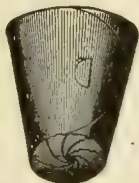
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Unsurpassed.

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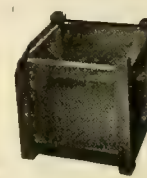
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Wagner Plant Boxes

are the best and cheapest in the
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design, strong and durable suit-
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We manufacture various styles
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Vol. XL

CHICAGO AND NEW YORK, APRIL 19, 1913.

No. 1298

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address; Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a year; Canada, \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from the trade. Volumes half yearly from August 3, 1901.

Address all correspondence subscriptions, etc.,
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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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The Old-Fashioned Garden.

I want the old-time garden,
The dear sweet-scented flowers,
With yellow bees a-buzzin'
Through all the peaceful hours.

The gate that hung a bit awry
For little feet a-swingin',
The sod beneath the lilac bush
With early violets springin'.

Low pinks and bounding-betties,
An' marigolds in rows,
Wee snowy, sweet alyssum,
An' dainty button rose.

White phlox like girls in weddin' clothes,
Red poppies swayin' light,
And perky, gay snapdragons
In velvet coats bedight.

The very names are music,
Like elf horns blown in dreams,
They're swayin' now before my eyes
Till each a presence seems.

If God gives me no garden
In answer to my prayer,
But just keeps me a-waitin'
Till I get over there.

The first thing I will ask for—
An' keep on askin', too—
Will be an old-time garden
All shinin' with the dew.

An' hummin' birds and butterflies,
An' I among 'em kneelin';
'Twould even give to heaven, I think,
A kind o' homey feelin'.

—Harper's Weekly.

THIRD NATIONAL FLOWER SHOW.

New York, April 5-13.

The Closing Days.

The roses arranged for effect on Wednesday added much to the beauty of the show. Probably nothing attracted so much attention throughout the week as the vase of Killarney Queen entered by A. N. Pierson, Inc., and arranged by David S. Geddes of St. Louis. For such a huge affair it was artistic to a degree. They were placed on a large wicker stand or vase with a zinc lining. There were 200 flowers with stems six to seven feet long. When finished the flowers extended to a circle ten feet in diameter and at least eight feet in height. The effect the next day as the flowers opened out was truly gorgeous and was one of the sensations of the show. The display of assorted varieties of roses arranged for effect was another beautiful entry by the same firm. It covered a space of about 400 square feet and contained vases of about fifty blooms each of all the standard varieties. These were placed on a step platform which rose about ten feet above the floor, with a vase of Killarney Brilliant as a center. The pyramid with the flowers arranged must have stood about fifteen feet in height, being placed in the center of the hall between two aisles. It presented the finest collection of roses ever put together. The Pierson firm was a great factor in the success of the exhibition. Their trade exhibit, showing their specialties, together with their long list of entries in the various competitive cut flower lists, particularly the roses, gave the standard of the commercial rose a distinct move upward.

Thursday was sweet pea day and there was a fine display of these dainty and beautiful blossoms that are so justly popular with the public as last year. Wm. Sim of Boston was the chief exhibitor. His display contained thousands of sprays of the most popular varieties, but which are soon to give way to the newer Spencer type, which Mr. Sim says are much better in every way and will be universally grown as soon as the seed is obtainable in sufficient quantities to go around. The principal varieties in his collection were Christmas pink; Mrs. Smalley, cerise pink; Wallacea, lavender; Orange Bird, orange; Blue Jay, blue; Countess, light pink; Pink Beauty, ce-

rise pink; Sunbeam, yellow; and White Florence Denzer, a fine white. Mr. Sim won all the first prizes in the class in which he competed.

Great credit is due to two indefatigable workers, William Duckham, manager of the show, and Charles H. Totty, chairman of the National Flower Show Committee. They labored hard, yet could always be approached and were never too busy to answer questions or straighten out matters of detail that are always coming up at an affair of this kind.

The Max Schling exhibit was at all times an object of interest to the retailers. Examples were seen of made-up baskets both of cut flowers and plants that were up to date in every respect. Bouquets of cut flowers were also a feature.

The question is often heard: "Why do not the retailers enter more into the competitions at the various flower shows?" There are many reasons. The expense, the want of time, etc., and greatest of all, the lottery of it. The best does not always win out. Floral arrangements should be judged by men whose business it is to create and pass judgment on them every day. A man who devotes his time to the production of cut flowers is not schooled to be an expert in their arrangement, and will likely be influenced by the quality of the flowers rather than the beauty of their arrangement. Rules governing competition should be very explicit. In the matter of table decorations it is difficult to judge between a high and low arrangement. An elevated space above gives more room for elaborate display and there is no fair comparison with the lower decoration, which may be quite effective, but not being on so large a scale, loses by comparison. Art in arrangement and color effect should win out rather than the display made by the larger quantity of flowers used.

While the trade exhibition was very creditable to the various firms occupying space, it was said there was not the business transacted that is usually done at the August meetings of the Society of American Florists. Men are more in the buying humor at the beginning than at the closing of their business year.

In the collection of acacias displayed by Thomas Roland there were several

plants each of the following varieties: spiralis, paradoxa, pendula, heterophylla, pubescens, longifolia, longifolia magnifica and verticillata. Some were magnificent specimens and all were full of bloom, having been timed to be at their best at this time. In the Louis Dupuy collection of roses were several very promising novelties for Easter forcing. They were of the Polyanthe type. There were Baby Ramblers in six-inch pots and a variety called Bordurewad, only twelve inches above the pot, but so covered with blossoms of a bright pink as almost entirely to conceal the foliage. Triumph de Orleans was a beautiful deep pink, almost red, a very promising sort. Yvonne Rabier is a splendid white of the same class, the flowers are of the purest white, of good size and very profusely borne. It should make an ideal Easter plant.

The French hydrangeas exhibited in the mezzanine gallery grown by A. Bieschke, gardener to Wm. Zeigler, Jr., Noroton, Conn., attracted much attention. The varieties were Mde. Emil Mouillier, best white; Radiant, pink; Mde. Gaillard, ivory white; Bouquet Rose, a deep pink, easily made blue; La Lorraine, a bluish Enchantress color; Avalanche, a fine white; Mont Rose, a light shade of pink. These plants had been given a month's rest and dried off, but not so much that they shriveled. They were started in January at a temperature of 50°, and required but little forcing to get them ready at this time.

A. Zvolanek staged some thirty vases of his new seedling Spencers. They are grand flowers and mark a distinct epoch in the advance of this garden favorite. For this collection he was awarded a gold medal. The table decorations and bridal bouquets of sweet peas were for the most part very nicely arranged. In judging the bouquets Chas. Henry Fox, who was one of the jurors, conceived the idea of having young ladies hold the bunches. He soon had five of them in line each with a bouquet. In this position their utility and beauty were shown and the choice was soon made.

Friday was Floral Art day. Bridal bouquets, growing baskets of foliage and flowering plants, decorated mantels and table decorations for others than professionals were the features. The bridal bouquets attracted the most attention. There were seven entries, nearly all of which were overdone. The stock used was for the most part lily of the valley and orchids. All had shower effects which were also much too heavy. It would have been impossible for a bride to carry them without stepping on the hanging ribbons. Most of the retail men who looked them over selected the A. T. Bunyard entry. It was of medium size, of lilac sprays, white orchids and small white Polyanthe roses. It had a pretty shower with dainty bows attaching small flowers as used in the body of the bouquet. It was complete in every respect and a very artistic piece of work. The winning bunch was of lily of the valley and white orchids, a loosely arranged shower effect very nicely put together but withal so large that only a bride of great stature could have carried it. This was made by A. Kottmiller. The second prize went to Max Schling for a well arranged bouquet of lily of the valley and white orchids. There were also a few sprays of orange blossoms and quite a heavy shower of lily of the valley trimmed with ribbon was a feature. A round bunch was well liked. It was of lily sprays without foliage, rather closely arranged and finished with a heavy border of Farleyense fern. The shower

effect was given with several long narrow strands of satin ribbon with large knots and a broad sash of figured gauze. A spray of white orchids just off the center of the bunch was a feature. All of the entries in this class showed careful preparation, nothing being left undone and no expense spared to make them as near perfect as possible.

A. T. Bunyard won again in the mantel decorations. The feature this time was a tall slender iron rod extending from the floor up one side and curving partially over the mirror. This supported several long-handled gypsy baskets trimmed with bows of light blue ribbon and handles wrapped with the same. These were filled with Gloriosa carnations. Another similar basket was placed below the shelf to one side. Quite a number of large fronds of the Polypodium Mandaianum were placed as if growing from the iron rod and were a conspicuous feature of the decoration. The second prize was handsomely arranged with Gloriosa carnations. A tall vase of these flowers was placed on the left hand side. The shelf, which was concealed with strings of Asparagus plumosus, was also decorated with carnations which drooped in a graceful spray from the end almost to the floor. Extending across the top from the vase was a fine spray of asparagus, giving a very artistic finish.

The table decorations by amateurs were simple and pretty. The first had a Begonia Lorraine in the center and smaller vases around, all silver. The second was arranged in much the same way with cut sprays of the rose Newport Fairy. Wm. Sim's table, which received third, was entirely of pansies and was much admired. It is seldom one sees such flowers.

This was truly a progressive exhibition, gaining in value every day. The roses the second day were placed on pedestals along the aisles. This was to make room for the carnations. These in turn were removed and placed at vantage points about the hall. The additional rose display and sweet peas now became the center of attraction. With these in place, together with the previous exhibits which had kept remarkably well, there was a wealth of floral display the like of which has never been seen before in this country.

K.

Faulkner's Comments.

In reviewing this great show we can say that each day brought additional attractions. The exhibit of cut roses, staged April 9 by A. N. Pierson, Inc., Cromwell, Conn., which covered 200 square feet, and contained most of the commercial forcing roses, was a notable feature. The exhibit was arranged in pyramidal form, a vase of Killarney Queen capping the climax. Grouped around and rising, tier above tier, were other Killarney roses, with Milady, Richmond, Taft and other varieties. It was a fine exhibit and worthy of the first prize awarded. Another feature of the Pierson display was a vase of 200 Killarney Queen arranged by D. Scott Gaddis of St. Louis, Mo. The flowers were fine and the arrangement was a masterpiece. We think this was the finest single exhibit of cut flowers in the entire show.

Sweet Pea day, April 10, brought its pleasures and surprises, though it was not surprising to those who know William Sim that he made a pretty general clean-up of prizes in sweet peas. The table decorations of sweet peas on that day were very interesting. We heard a lively discussion over the judging of the table decorations, but fortunately the judge criticized was good natured and did not commit anybody for contempt. While we call them judges, we note that the term generally used at this show is jurors.

Floral Art day, April 11, brought very clever work in bridal and corsage bouquets and in baskets of flowering and foliage plants. All the exhibits were very creditable. The award of first prize for a bridal bouquet to Alfred Kottmiller of New York was one with which even the most critical could not find fault or charge favoritism, for he is a young man who but recently went into business for himself and consequently is not as well known in the trade as many other retailers. The work of our genial friend, Max Schling, also of New York, loomed large on this day in plant arrangement and bouquets. He is one retailer who has shown a commendable interest in the show and everything seen in his exhibit was excellent and creditable. Other noteworthy exhibitors on this day were John B. Nugent, Jr., New York, Albert Laretz, Brooklyn, N. Y., and the Boston Cut Flower Co., of Boston, Mass.



NEW ROSE MRS. CHARLES RUSSELL EXHIBITED BY THE WABAN ROSE CONSERVATORIES AT THE NATIONAL FLOWER SHOW.



EXHIBIT OF A. N. PIERSON, INC., AT THE NATIONAL FLOWER SHOW, PARTIAL VIEW.

Chas. H. Totty has had so much Flower Show on his mind that he has had little time to think about himself, but he had a breathing spell in the closing days and arranged an exhibit of roses and carnations, which was appropriately awarded a gold medal. None deserve more credit for the success of the show than Mr. Totty.

The weather was generally favorable. April 12 was rainy and disagreeable but the attendance was well sustained, in fact we believe that the attendance on each day exceeded the most sanguine expectations of the managers and promoters.

A number of labor organizations asked the International Exposition Company to keep the International Flower Show open on Sunday, April 13, that their members might attend. In accordance with these requests the committee decided to keep open Sunday, from 10 in the morning until 11 at night. To display at a glance the scope of the week's competitions all the high priced orchids, flowers, foliage plants, decorated banquet tables, mantels and baskets, bouquets and vases of cut blooms that had won first prizes were arranged in a grand floral court of honor. This hall of fame was assembled in the most prominent part of the main floor, and formed the grandest spectacle of rare and valuable floricultural and horticultural exhibits ever seen in this country. The special lecturer of that day was Harry A. Bunyard, who took as his theme "Great Flower Shows of the World."

There was no first award in the competition for carnation blooms to cover 100 square feet of floor space, and for which Thomas W. Lawson had offered a silver cup and a cash premium of \$100, as the conditions called for a perfect score of 100 points. The second prize of \$75 was awarded to A. A. Pembroke, of Beverly, Mass.,

whose exhibit scored 95 points. The highest award for vases of carnations not to exceed 200 blooms went to the specimens of the Gorgeous carnation exhibited by the Boston Cut Flower Co. Prizes for the best basket of carnations and for the best mantel decoration of the same flower, the latter after a close competition, were both won by A. T. Bunyard of New York.

The prize winning mantel was a superb and artistic combination of the Gloriosa carnation and mimosa, the background being of the new fern Polypodium Mandalaenum, the color effects being pink and yellow with the addition of pale blue ribbon.

The special competitions were for members of the American Sweet Pea Society and thousands of the delicately tinted blooms were brought in especially for these events. In the classes for 50 sprays, John M. Barker of Morristown, N. J., won in the pink and white variety; Winkler Bros., Hackensack, N. J., in the white and solid pink varieties; and in eight other colors William Sim, of Cliftondale, Mass., swept the board. The class for the best six vases of sweet peas, open to private gardeners only, was won by Thomas Ryan, gardener for John I. Downey of Port Chester, N. Y.

Adolph Lewisohn of Ardsley, N. Y., won the blue for the best decorated banquet table in which sweet peas were the principal flower used; first prizes for the best basket and best bride's bouquet were won by Max Schling of New York. S. A. Anderson of Buffalo, took first honors for the best corsage bouquet of the same flowers. Six special competitions for cut roses had each a large entry. The \$200 silver cup was won by A. N. Pierson, Inc. The small grower's prize, a \$50 silver cup, was won by Robert Simpson, Clifton, N. J. The Philadelphia Rose Growers' first prize

of \$75 was another of A. N. Pierson's successes, and first prizes of \$25 cash for Richmond, Killarney and yellow roses were won respectively by A. Farenwald, Roslyn, Pa., the United States Cut Flower Company, Elmira, N. Y., and L. B. Coddington, Murray Hill, N. J. Theodore Outerbridge placed on view at the Thorburn stand two rare specimens from Bermuda, a giant white lily of which the bulb weighed over 30 pounds and a remarkable cactus known as the Triangularia Enforbia, the first time ever exhibited in this city.

Among the visitors April 10 were Mrs. W. Emlen Roosevelt, Mrs. R. E. McCurdy, Mrs. N. R. Stewart of St. Louis, Mo., Miss J. H. Sands of Ardsley, N. Y., Mrs. H. P. McVicker, W. H. Sands, J. Oppenheimer and wife, Mrs. Behrens and Miss Edith Behrens, Chas. L. Toppin, of Babylon, John I. Downey and wife, Mrs. George Westinghouse, Mrs. John I. Raynor, Mrs. Hugo Reisinger, A. Cortlandt Nicolls, S. Hirsch and wife, and Miss Hirsch, who motored in from Montclair; Miss R. Iesen, Miss Alma Anderson, Miss S. G. Morris, Mrs. N. Clark, Miss Clark, Mrs. C. M. Waigreen, Mrs. A. Dodge, Mrs. Ida Small, Mrs. Arthur S. Merrian, Willis Rudd and wife, W. W. Edgar and wife, Philip Breitmeyer, ex-mayor of Detroit, Mrs. C. W. Scott, Archibald Henshaw and wife, C. N. Wethered and wife, Magistrate McCadoo and wife, Mrs. M. J. Corbett, Mrs. Elizabeth Bolton, Mrs. R. S. Butler, Mrs. M. Place, Miss Place, Mrs. L. Schroeder, Mrs. Charles P. Stout, Miss Ambrose, Mrs. W. V. R. Whitall, Mrs. S. H. Jones, Mrs. W. W. Johnson, Miss Nellie Euk, Mrs. Carl Tucker, W. R. Bacon, Mrs. E. R. Holden.

The Banquet.

The banquet at the Hotel Astor on the night of April 10 was a most enjoyable affair. Seated at President

Siebrecht's table were the following men prominent in horticulture; President Farquhar of the S. A. F., President Breitmeyer of the Carnation Society, Robert Craig, W. N. Rudd, Wm. Duckham, E. G. Hill, Chas. H. Totty, Patrick O'Mara, Theodore Wirth, W. Wells, of England, Wm. F. Kasting and August Poehlmann. Each in turn was called on by President Siebrecht and each spoke to the point. Dancing followed.

Additional Awards.

SECTION M.

For Artistic Arrangement.

Exhibit of carnation blooms, covering 80 to 100 square feet of space. No restrictions on arrangement.—A. A. Pembroke, Beverly, Mass., second; Boston Cut Flower Co., Boston, Mass., fourth.

Best mantel decoration in which carnations are the principal flower used.—A. T. Bunyard, New York, first; S. A. Anderson, Buffalo, second; Boston Cut Flower Co., third.

Best basket of carnations. Other foliage, cut or in pots, may be used.—A. T. Bunyard, first.

Best vase of carnations, not to exceed 200 blooms. Form of arrangement and setting to be chosen by exhibitor. Other foliage, cut or in pots may be used.—Boston Cut Flower Co., second; A. A. Pembroke, third.

SECTION N.

Sweet Peas.

Best 50 sprays, pink and white—John M. Barker, Morristown, N. J., first; Fred. Mamitsch, Paterson, N. J., second; Winkler Bros., Hackensack, N. J., third.

Best 50 sprays white—Wm. Sim, first; Fredk. Mamitsch, second; Winkler Bros., third.

Best 50 sprays, pink—Wm. Sim, first; Winkler Bros., second.

Best 50 sprays, light pink or salmon—Wm. Sim, first.

Best 50 sprays, blue or purple—Wm. Sim, first.

Best 50 sprays, red or crimson—Wm. Sim, first; Winkler Bros., second.

Best 50 sprays, cream pink—Wm. Sim, first.

Best 50 sprays, light lavender—Wm. Sim, first; John M. Barker, second.

Best 50 sprays, dark lavender—Wm. Sim, first; Fredk. Mamitsch, second.

Best 50 sprays, orange—Wm. Sim, first.

Best 50 sprays, any other color—Wm. Sim, first; John M. Barker, second.

Standard Varieties.

Best 25 sprays, earliest of all. Xmas pink, Pink Watchung—John M. Barker, first; Fred. Mamitsch, second; Wm. Sim, third.

Best 25 sprays, earliest white Watchung or Snow Bird—Wm. Sim, first; Winkler Bros., second.

Best 25 sprays, Mont Blanc or Florence Denzer—Wm. Sim, first; John M. Barker, second; Winkler Bros., third.

Best 25 sprays, Mrs. C. H. Totty—Wm. Sim, first.

Best 25 sprays, Wallacea—Wm. Sim, first; John M. Barker, second.

Best 25 sprays, Pink Beauty—Wm. Sim, first; Winkler Bros., second.

Best 25 sprays, Mrs. William Sim—Wm. Sim, first; Winkler Bros., second.

Best 25 sprays, Mrs. Dolansky or Angelina—Wm. Sim, first; Winkler Bros., second.

Best 25 sprays, Le Marquis, Wm. J. Stewart or Xmas Capt.—Wm. Sim, first.

Best 25 sprays, Canary, Jack Hunter or Sunbeams—Wm. Sim, first.

Best 25 sprays, Greenbrook—Wm. Sim, first.

Best 25 sprays, Stella Morse—Wm. Sim, first.

Best 25 sprays, Meteor or Mrs. E. Wild—Wm. Sim, first.

Best 25 sprays, Mrs. W. W. Smalley—Wm. Sim, first.

Standard Varieties.

Best 100 sprays, bi-color—Fred. Mamitsch, first; Winkler Bros., second; Wm. Sim, third.

Best 100 sprays, white—Wm. Sim, first; John M. Barker, second; Winkler Bros., third.

Best 100 sprays, pink—Wm. Sim, first; Winkler Bros., second.

Best 100 sprays, light pink or salmon—Winkler Bros., first; Wm. Sim, second.

Best 100 sprays, lavender—Wm. Sim, first; Fred. Mamitsch, second; John M. Barker, third.

Best 100 sprays, orange—Wm. Sim, first.

Best 100 sprays, any other color—Wm. Sim, first.

Novelties of 1912.

Best 25 sprays, Mrs. James Wheeler—Wm. Sim, first.

Best 25 sprays, Winter Cheer—Wm. Sim, first.

Best 25 sprays, Orange Bird—Wm. Sim, first.

Best 25 sprays, Improved Enchantress—Wm. Sim, first.

Best 25 sprays, Zvolanek's Pink—Wm. Sim, first.

Best 25 sprays, Blue Jay; the society's gold medal for an unusual exhibit of sweet peas of exceptional merit—Wm. Sim, first.

For the largest display of sweet peas, winter or summer flowering varieties, or both—Wm. Sim, first.

Display of not less than ten varieties, 50 in each vase—Wm. Sim, first.

Collection of 12 varieties, 25 sprays to a vase—Wm. Sim, first.

(Open to private gardeners only). Best six vases sweet peas, 12 sprays to a vase, six varieties—John I. Downey (Thos. Ryan, gr.), Port Chester, N. Y., first.

Retailers' Section.

Table decoration—Adolph Lewisoohn, Ardsley, N. Y., first; Max Schling, New York, second.

Basket—Max Schling, first; Boston Cut Flower Co., second.

Bride's bouquet—Max Schling, first; Henry R. Comley, Boston, Mass., second.

Corsage bouquet—S. A. Anderson, Buffalo, N. Y., first; Henry Comley, second.

Roses—Miscellaneous.

Philadelphia Rose Growers' prizes—A. N. Pierson, Inc., first; Edward Towill, second; John Stevenson & Sons, third.

New York Cut Flower Co. prize—A. N. Pierson, Inc., first.

Small Growers' Prize—Robert Simpson, first.

Henshaw & Fenrich's prize for 25 Richmond—A. Farenwald, first.

Henshaw & Fenrich's prize for 25 Killarney—United States Cut Flower Co., first.

Henshaw & Fenrich's prize for 25 yellow roses—D. B. Coddington, first.

SECTION P.

Floral or Plant Arrangement.

Table decoration, accessories not to count in making award, open to members of National Association of Gardeners only—Henry Siegel (Thos. Atchinson, gr.), Mamaroneck, N. Y., first; Samuel Untermyer, Yonkers, N. Y. (W. H. Wait, gr.), second; Wm. Sim, third.

Table decoration, accessories not to count in making award, open to members of National Association of Gardeners only—Henry Siegel (Thos. Atchinson, gr.), Mamaroneck, N. Y., first; Samuel Untermyer (W. H. Wait, gr.), Yonkers, N. Y., second; Wm. Sim, Cliftondale, Mass., third.

Cut-flower novelty, Leo Niessen Co. silver cup—F. W. Fletcher & Co., Auburndale, Mass., first.

Most effective basket of foliage plants—Max Schling, New York, first.

Most effective basket of flowering plants—Max Schling, first.

Most effective combination of flower and foliage plants—Max Schling, first.

Corsage bouquet of orchids—Max Schling, first; Boston Cut Flower Co., Boston, Mass., second.

Bridal bouquet—Alfred Kottmiller, New York, first; Max Schling, second.

Final Awards, Adjustments, Corrections.

Twelve Genistas, standards—W. W. Edgar Co., Waverly, Mass., gratuity prize.

Marguerites, cut, white—Madsen & Christiansen, Wood Ridge, N. J., gratuity prize.

Marguerites, cut, yellow—Madsen & Christiansen, gratuity prize.

Pelargonium plants—Mrs. F. A. Constable (J. Stuart, gr.), Mamaroneck, N. Y.

Vase new carnations, California Giant—H. Darlington (P. W. Popp, gr.), Mamaroneck, N. Y.

Specimen plant honeysuckle—H. Darlington.

Group of Maherniaodorata Streptosolen Jame sonii—H. Darlington. Vase of barely chrysanthemums, Glory of Seven Oaks—H. Darlington.

For the whole group, gratuity prize.

Group of Ponta Rosa lemons with fruit, 8 plants; group of marguerites in pans; green holly and variegated holly; eight stubs of specimen forsythia plants in bloom—A. L. Miller, Jamaica Ave., Brooklyn, N. Y., silver medal.

Display of pansies—William Sim, Cliftondale, Mass., gold medal.

Twelve Gardenias in pots—J. T. Pratt (J. W. Everett, gr.), silver medal.

Specimen Imantophyllum—Mrs. H. McK. Twombly (R. Tyson, gr.), silver medal.

Collection of Schizanthus Boddingtonii—Chester K. Billings (Jas. Bell, gr.), silver medal.

Collection of named crotons, 73 varieties, including many novelties—Robt. Craig & Co., Philadelphia, Pa., gold medal.

Collection of bulbous plants—Peter Henderson & Co., New York, gold medal.

Acacia, Rolandii and wonderful display of acacias bougainvillea, etc.—Thos. Roland, Nahant, Mass., S. A. F. gold medal.

Collection of hyacinths—Mrs. D. Willis James (Wm. H. Duckham, supt.), Madison, N. J., silver medal.

Hybrid Astilbe arcuata varieties—Mount Desert Nurseries, Bar Harbor, Me., silver medal.

Pictures in oil and pastel of famous English Gardens—Miss Mary Helen Carlisle, London, England, gold medal.

Group of lilies, from American grown bulbs, hybrids of Liliun Harrisii and multiflorum—Metairie Ridge Nursery Co., New Orleans, La., gold medal.

New pandanus—John Wanamaker (John H. Dadds, supt.), silver medal.

Cut Callas—S. M. Goldsmith (W. B. Seymour, gr.), West End, N. Y., bronze medal.

Collection of orchids, including hybrid Odontoglossums, etc., shipped from England to the International Flower Show—W. A. Manda, Inc., South Orange, N. J., gold medal.

Cut liliuns, hybrids of Liliun Harrisii and multiflorum—Metairie Ridge Nurseries, New Orleans, La., silver medal.

Roses and carnations, and general display of cut flowers, etc.—Charles H. Totty, Madison, N. J., gold medal.

Sweepstake prize for the best new plant on exhibition, Liliun Myrophylum—R. & J. Farquhar, Boston, Mass., gold medal.

Display of ferns showing graduation of growth from spores to the full grown plant—J. J. Goodwin (J. F. Huss, gr.), Hartford, Conn., silver medal.

Group of orchid hybrids—Clement Moore, Hackensack, N. J., gold medal.

New antirrhinums—Mrs. W. G. S. Griswold (A. J. Loveless, supt.), Lenox, Mass., silver medal.

Model estate—David S. Miller, Tuxedo Park, N. Y., silver medal.

The Henry F. Michell Co. gold medal for the most artistically arranged exhibit—Thos. Roland, Nahant, Mass.

Class 120 (laelia)—W. A. Manda, South Orange, N. J., first.

Class 77 (tulips)—Mrs. A. M. Booth (E. Farde, gr.), Great Neck, L. I., first.

Class 153 (kentangia foresteriana)—Mrs. H. McK. Twombly (R. Tyson, gr.), Convent, N. J., first.

Class 153 (kentangia foresteriana)—W. A. Manda, South Orange, N. J., second.

Class 154 (maranta)—W. A. Manda, first.

Class 168 (conifers)—F. R. Pierson Co., Tarrytown, N. Y., first.



CARNATION PRINCESS DAGMAR EXHIBITED BY PATTEN & CO., AT THE NATIONAL FLOWER SHOW.



NEW YORK FLORISTS' CLUB ANNUAL DINNER AT THE HOTEL ASTOR APRIL 10.

Class 168 (conifers)—Julius Roebers Co., Ruth-
erford, N. J., second.
Class 169 (conifers)—Bobbink & Atkins, Ruth-
erford, N. J., first.
Class 169 (conifers)—W. A. Manda, South
Orange, N. J., second.
Class 173 (holly)—Bobbink & Atkins, first.
Class 176 (landscape gardens)—Frank Josefko,
Glen Cove, L. I., first.
Class 176 (landscape gardens)—Julius Roebers
Co., second.
Class 176A—Frank Josefko, first.
Class 180 (cypripedium hybrid)—W. A. Man-
da, first.
Class 180B (cypripedium hybrid)—W. A.
Manda, second.
Class 185 (flowering plant species)—R. & J.
Farquhar, Boston, Mass., first.
Class 188 (nephrolepis)—Robert Craig & Co.,
first.
Class 188 (nephrolepis)—F. R. Pierson Co.,
second.
Class 189 (orchid hybrid)—Clement Moore (J.
Mossmann, gr.), Hackensack, N. J., first.
Class 189 (orchid hybrid)—W. A. Manda,
second.
Class 189B (orchid)—Clement Moore, first.
Class 189B (orchid)—W. A. Manda, second.
Class 194B (collection of plants or flowers)—
W. A. Manda, first.
Class 194B (collection of plants or flowers)—
A. C. Zvolanek, Bound Brook, N. J., second.
Class 52 (marguerites)—Madsen & Christen-
sen, Wood Ridge, N. J., first.
Class 52 (marguerites)—Mrs. F. A. Constable,
second.
Class 64 (rhynchospermum)—H. Darlington,
second.
Class 65 (spirea or astible)—Mount Desert
Nurseries, first.
Class 117 (lillio-cattleya)—Judgement re-
versed, Lager & Hurrell, Summit, N. J., first.
Class 177 (Luchio-cattleya)—W. A. Manda,
second.
Class 153 (kentia forestieriana)—Mrs. H. McK.
Twombly, first.
Class 153 (kentia forestieriana)—W. A. Man-
da, second.
Class 34A—Thomas Roland, Nahant, Mass.,
first.
Class 34A—Louis Dupuy, Whitestone, L. L.
N. Y., second.
Class 36A—Thomas Roland, first.

Miscellaneous Exhibits.

M. Adler, New York, flower pins.
American Auxiliary Heating Co., Boston, cir-
culator.
Aphine Mfg. Co., Madison, N. J., insecticides.
H. Bayersdorfer & Co., Philadelphia, florists'
supplies.
Bobbink & Atkins, Rutherford, N. J., plant
tubs.
Bon Arbor Chemical Co., Paterson, N. J., fer-
tilizers.
Burnett Bros., New York, seeds, bulbs and
supplies.
John Lewis Childs, Flowerfield, N. Y., gladioli.
Coldwell Lawn Mower Co., Newburgh, N. Y.,
lawn mowers.

Consumers' Fertilizer Co., New York, fer-
tilizers.
A. Cowee, Berlin, N. Y., gladioli.
Robert Craig Co., Philadelphia, Pa., crotons.
J. P. Dahlborn, Weehawken Heights, N. J.,
boilers.
A. T. De La Mare Ptg. & Pub. Co., New
York, catalogs.
J. L. Dillon, Bloomsburg, Pa., roses.
H. G. Dreyer & Son, New York, plant stands,
etc.
Dunham Co., Berea, O., lawn mower.
R. & J. Farquhar & Co., Boston, Mass., plants.
Fottler, Fiske, Rawson Co., Boston, Mass.,
seeds, bulbs and supplies.
Wm. S. Haines & Co., Philadelphia, vacuum
heater.
P. Hamilton Goodsell, New York, rhododen-
drons.
Benj. Hammond, Fishkill, N. Y., insecticides.
B. Hammond Tracy, Wenham, Mass., gladioli.
Joseph Heacock, Wyncote, Pa., palms.
Peter Henderson & Co., New York, seeds,
bulbs and supplies.
Hitchings & Co., New York, greenhouse con-
struction materials.
R. J. Irwin, New York, plants.
Johnston Heating Co., New York, boilers.
C. Keur & Sons, Hillegom, Holland, plates
of gladioli.
King Construction Co., North Tonawanda, N.
Y., greenhouse construction materials.
Knight & Struck, New York, ericas, etc.
Kroeschell Bros. Co., Chicago, boilers.
Lager & Hurrell, Summit, N. J., orchids.
Lemon Oil Company, Baltimore, Md., insecti-
cides.
Lion & Co., New York, florists' ribbons.
Lord & Burnham Co., New York, greenhouse
construction materials.
W. A. Manda, South Orange, N. J., ferns, etc.
W. E. Marshall & Co., New York, seeds and
bulbs.
Meade, Suydam Co., East Orange, N. J., con-
crete benches.
Means & Thatcher, Boston, Mass., paints.
Metropolitan Material Co., Brooklyn, N. Y.,
greenhouse construction materials.
H. F. Michell Co., Philadelphia, hardy stock.
N. Y. Stable Manure Co., New York, fertilizers.
J. G. Neidinger, Philadelphia, baskets, etc.
H. V. Pearce, Detroit, steam traps.
S. S. Pennock-Meehan Co., Philadelphia, flor-
ists' ribbons.
A. N. Pierson, Cromwell, Conn., ferns, etc.
F. R. Pierson Co., Tarrytown, N. Y., ferns, etc.
Pierson U-Bar Company, New York, green-
house construction materials.
Plantlife Co., New York, insecticides and fer-
tilizers.
Quaker City Machine Co., Richmond, Ind.,
Reed & Keller, New York, florists' supplies.
Revere Rubber Co., Boston, Mass., rubber hose.
Julius Roebers Co., Rutherford, N. J., green-
house plants.
Russin & Handing, New York, florists' supplies.
Max Schling, New York, plant baskets.
Schloss Bros., New York, florists' ribbons.
J. M. Thorburn & Co., New York, seeds and
supplies.

C. H. Totty, Madison, N. J., carnations and
roses.
Wm. Tricker, Arlington, N. J., aquatics.
R. M. Ward & Co., New York, bulbs.
Weathered Co., Jersey City, N. J., green-
house construction materials.
Wertheimer Bros., New York, florists' ribbons,
ventilators.

Visitors.

In addition to those mentioned in last week's
issue, we noted the following during the clos-
ing days of the show:

Chas. Adock, Mamaroneck, N. Y.
John Albrecht, Pencoed, Pa.
Chas. H. Allen, Floral Park, N. Y.
Linneus Allen, Floral Park, N. Y.
Albert F. Amling, Chicago.
S. A. Anderson, Buffalo, N. Y.
J. F. Anderson, Short Hills, N. J.
John R. Andre, Hazleton, Pa.
Philip Anzberger, Pleasantville, N. Y.
Ernest Ashley, Allentown, Pa.
Thos. Atchison, Mamaroneck, N. Y.
Stephen Ayer, Chestnut Hill, Pa.
Geo. B. Baker, New Britain, Conn.
Ambrose Ballea, Princeton, N. J.
Harry Balsky, Detroit, Mich.
Geo. Barser, Swampscott, Mass.
Samuel J. Batcheler, Jenkintown, Pa.
Herbert Bate, Cleveland, O.
Anthony Bauer, Deal Beach, N. J.
John Baur, South Natick, Mass.
A. C. Beal, Ithaca, N. Y.
E. S. Beard, Detroit, Mich.
Mrs. E. S. Beard, Detroit, Mich.
W. J. Beaurman, Hillegom, Holland.
Thomas Bell, Fairfield, Conn.
A. W. Binley, Glens Falls, N. Y.
Hugh Birch, Bedford Hills, N. Y.
George Bitahly, Ridgefield, Conn.
Arthur Bjarkgren, Glencove, N. Y.
M. Bloy, Detroit, Mich.
E. Boroski, Rosindale, Mass.
Philip Bovington, Millbrook, N. Y.
R. G. Bowersox, Lewistown, Pa.
L. H. Brague, Hinsdale, Mass.
J. D. Brennan, Philadelphia, Pa.
Oscar Carlson, Fairfield, Conn.
Mrs. J. Carvel, Newport, R. I.
M. Chamberlain, Boston, Mass.
A. Chandler, Berlin, N. Y.
John Lewis Childs, Floral Park, N. Y.
Thos. W. Chisholm, San Jose, Calif.
W. A. Clarke, Pittsburg, Pa.
Henry Cliffe, Bridgeport, Conn.
Henry R. Conley, Boston, Mass.
J. L. Congdon, Boston, Mass.
D. T. Connor, Philadelphia, Pa.
William Comfort, Devcon, Pa.
A. B. Cornellus, Ithaca, N. Y.
Lawrence Cotter, Jamestown, N. Y.
F. G. Cox, Waltham, Mass.
Robt. A. Craig, Philadelphia, Pa.
C. E. Critchell, Cincinnati, O.
Mrs. C. E. Critchell, Cincinnati, O.
Peter Crowe, Utica, N. Y.
Mrs. J. D. Brennan, Philadelphia, Pa.
Fred C. W. Brown, Buffalo, N. Y.

Peter Brown, Lancaster, Pa.
 R. G. Brown, Queens, N. Y.
 W. Alice Burpee, Philadelphia, Pa.
 E. C. Brucker, Buffalo, N. Y.
 David Burgevin, Kingston, N. Y.
 George Burgevin, Kingston, N. Y.
 Geo. C. Buxton, Nashua, N. H.
 Peter Byrnes, Wicksford, R. I.
 Chas. F. Campbell, Wollaston, Mass.
 S. W. Carlinist, Lenox, Mass.
 Frederic Carter, Newport, R. I.
 James A. Cartwright, Boston, Mass.
 John N. Champion, New Haven, Conn.
 Wm. Currie, Milwaukee, Wis.
 Mrs. Wm. Currie, Milwaukee, Wis.
 Frederic Darcy, Kennet Sq., Pa.
 A. M. Davenport, Watertown, Mass.
 John Davidson, Barnardsville, N. Y.
 D. W. Davis, Berwick, Pa.
 Geo. Davis, Ridgefield, Conn.
 W. E. Day, Syracuse, N. Y.
 Daniel Dean, Little Silver, N. J.
 M. G. Dillon, Bloomsburg, Pa.
 J. Donahn, Natick, Mass.
 Wm. F. Dreer, Philadelphia, Pa.
 H. G. Dreyer, Cleveland, O.
 Wm. Dusham, Madison, N. J.
 Wm. Duthie, Oyster Bay, N. Y.
 John Dunbar, Rochester, N. Y.
 Wm. Eccles, Oyster Bay, N. Y.
 Miss — Edgar, Boston, Mass.
 Mrs. W. W. Edgar, Boston, Mass.
 D. B. Edwards, Atlantic City, N. J.
 Mrs. D. B. Edwards, Atlantic City, N. J.
 E. S. English, Pomfret, Conn.
 Harry G. Eric, Albany, N. Y.
 John G. Esler, Saddle River, N. J.
 Geo. Evenden, Williamsport, Pa.
 Wm. J. Evenden, Williamsport, Pa.
 E. J. Fancourt, Philadelphia, Pa.
 Ed. Farenwald, Roslyn, Pa.
 Geo. S. Faulkner, Philadelphia, Pa.
 Chas. F. Feast, Baltimore, Md.
 Wm. Feast, Baltimore, Md.
 Edward A. Fetters, Detroit, Mich.
 H. W. Field, Northampton, Mass.
 Mrs. H. W. Field, Northampton, Mass.
 Martin Fitzgerald, —
 C. H. Fox, Philadelphia, Pa.
 David Francis, Convent, N. J.
 Alex. Fraser, Newport, R. I.
 J. M. Frebillion, Buffalo, N. Y.
 Jos. Fuller, Leominster, Mass.
 A. N. Funnell, Huntington, N. Y.
 E. W. Gaehering, Philadelphia, Pa.
 D. G. Gallison, Holyoke, Mass.
 Henry Gant, Glencove, N. Y.
 Alex. Geddes, Stratford, Conn.
 D. Scott Geddes, St. Louis, Mo.
 Henry C. Geiga, N. Wales, Pa.
 Wm. Geiger, Philadelphia, Pa.
 L. W. Guelch, Montreat, Can.
 J. C. Gibbs, Lynn, Mass.
 J. F. Gibbs, Lynn, Mass.
 Thomas Gibson, Newport, R. I.
 Geo. Gilder, Glencove, N. Y.
 James Gladstone, Glencove, N. Y.
 James Glass, Baltimore, Md.
 Wm. C. Gloeckner, Albany, N. Y.
 David Gordon, Chappaqua, N. Y.
 Jos. J. Goudy, Philadelphia, Pa.
 Robert Graham, Baltimore, Md.
 R. L. Graham, Jr., Baltimore, Md.
 Wm. Gray, Newport, R. I.
 Samuel Grigg, Morristown, N. J.
 Victor Groshens, Roslyn, Pa.
 Wm. E. Hall, Montreal, Quebec, Can.
 James Hamilton, Warwick, R. I.
 James G. Hamilton, Baltimore, Md.
 A. C. Hampton, Waverly, Pa.
 G. Hampton, Philadelphia, Pa.
 C. E. Harris, Ithaca, N. Y.
 J. J. Harris, Philadelphia, Pa.
 E. T. Hart, Bar Harbor, Mass.
 Geo. B. Hart, Rochester, N. Y.
 E. A. Harvey, Brandywine, Pa.
 I. S. Hendrickson, Floral Park, N. Y.
 Henry Hentz, Jr., Madison, N. J.
 Arthur Herrington, Madison, N. J.
 Chas. B. Hess, Strasburg, Pa.
 R. Hews, Boston, Mass.
 H. A. Higginson, Richmond, Va.
 E. G. Hill, Richmond, Ind.
 Harry Hoffman, Boston, Mass.
 Walter R. Holden, Boston, Mass.
 Jas. D. Hooper, Richmond, Va.
 Joseph Hossack, Cleveland, O.
 Ray C. Howard, Milford, Mass.
 W. D. Howard, Milford, Mass.
 John F. Howe, Allentown, Pa.
 T. Hubbard, Glencove, N. Y.
 John Huken, Philadelphia, Pa.
 S. W. Hunkel, Milwaukee, Wis.
 Sam Hunson, Troy, N. Y.
 W. T. Hutchins, Millbury, Mass.
 Alfred R. Hutson, Boston, Mass.
 H. Illsterdandt, New Hamburg, N. Y.
 Wm. Ingles, Rhinecliff, N. Y.
 John T. Ingram, Oyster Bay, N. Y.
 S. J. Irvine, Philadelphia, Pa.
 H. B. Jaffe, Haverhill, Mass.
 Paul Jahn, E. Bridgewater, Mass.
 Edwin Jenkins, Lenox, Mass.
 James Johnston, Mamaroneck, N. Y.
 A. Miskicke, Noroton, Conn.
 C. W. Montgomery, Hadley, Mass.
 Robert Montgomery, Natick, Mass.
 R. J. Montgomery, Hadley, Mass.
 Wm. H. Moon, Morrisville, Pa.
 A. T. Moore, Philadelphia, Pa.
 James Moore, Pittsburg, Pa.
 Walter Morse, Lowell, Mass.
 Stephen Mortensen, Southampton, Pa.
 Mrs. Stephen Mortensen, Southampton, Pa.
 Harris S. Mueller, Wichita, Kans.

W. H. Magiunis, New Canaan, Conn.
 E. C. Marshall, Kennet Sq., Pa.
 M. Matheson, Baldwin, N. Y.
 Fred H. Meinhart, St. Louis, Mo.
 Wm. C. Merkel, Mentor, O.
 H. F. Midgley, Worcester, Mass.
 Henry F. Michel, Philadelphia, Pa.
 James Michie, Sharon, Conn.
 Alex. Michie, Plymouth, Mass.
 Mrs. Ellen Miller, New London, R. I.
 J. A. Miller, Carlsbad, —
 Geo. G. Milne, Oyster Bay, N. Y.
 Arthur H. Langes, Philadelphia, Pa.
 Harold Laude, Mattawan, N. Y.
 John Lawrence, Ogdensburg, N. Y.
 Wm. A. Lehr, Baltimore, Md.
 Wm. A. Leonard, Philadelphia, Pa.
 R. E. Locken, Gloversville, N. Y.
 Thomas W. Logan, Jenkintown, Pa.
 W. Long, Boston, Mass.
 Wm. H. Mac Kay, Bristol, Conn.
 G. A. McAlpin, Boston, Mass.
 Alex. McEllan, Newport, R. I.
 Hugh P. McCarthy, Syracuse, N. Y.
 Alexander Mackewin, Glencove, N. Y.
 Frank Murray, Boston, Mass.
 Jos. S. Myers, Chestnut Hill, Pa.
 A. G. Nach, Morristown, Pa.
 Jos. G. Neidinger, Philadelphia, Pa.
 G. F. Neipp, Chatham, N. J.
 J. K. Nostrand, New Hamburg, N. Y.
 A. A. Niessen, Philadelphia, Pa.
 Leo. Niessen, Philadelphia, Pa.
 Mrs. L. N. Niessen, Philadelphia, Pa.
 John Nisbet, Jenkintown, Pa.
 John A. Nutte, Roxbury, Md.
 O. A. C. Ochmuler, Washington, D. C.
 M. L. Olliver, Newport, R. I.
 Henry Orr, Boston, Mass.
 P. J. Olson, Joliet, Ill.
 C. Packman, Ottawa, Ont., Can.
 W. R. Palmer, Jr., —, Ill.
 Wilbur A. Patton, Tewksbury, Mass.
 Wm. Patterson, Wollaston, Mass.
 Sam J. Pearce, Chicago.
 J. L. Pennock, Philadelphia, Pa.
 H. R. Pennypacker, Phoenixville, Pa.
 S. N. Pentecost, Cleveland, O.
 R. Periot, Allingdale, Pa.
 J. A. Phillips, Washington, D. C.
 Mrs. J. A. Phillips, Washington, D. C.
 H. E. Philpott, Winnipeg, Can.
 John H. Johnston, Glencove, N. Y.
 Wm. J. Johnston, Baltimore, Md.
 W. Johnson, Philadelphia, Pa.
 James E. Jones, Richmond, Ind.
 J. W. Jones, Pittsburg, Pa.
 Robt. Ross Jones, Harrisburg, Pa.
 William Jurgens, Newport, R. I.
 S. H. Keefer, Madison, N. J.
 Geo. W. Keen, Doylestown, Pa.
 Wm. L. Keller, Rochester, N. Y.
 J. Kemble, Marshalltown, Ia.
 W. E. Kemble, Oskaloosa, Ia.
 P. O. King, Buffalo, N. Y.
 Wm. Kleinheinz, Ogontz, Pa.
 Wm. P. Knoble, Cleveland, O.
 Mrs. W. P. Knoble, Cleveland, O.
 Frederic Koehler, Pittsburg, Pa.
 Chas. W. Kohlett, Philadelphia, Pa.
 E. N. Kronin, Jr., Allentown, Pa.
 Thos. F. Lucy, Albany, N. Y.
 L. L. Lamborn, Alliance, O.
 F. R. Pierson, Tarrytown, N. Y.
 Albert Pochelon, Detroit, Mich.
 P. W. Popp, Mamaroneck, N. Y.
 Page F. Potter, Hartford, Conn.
 Albert A. Pracey, Wenham, Mass.

Mrs. Stephen A. Prentis, New London.
 Thos. Proctor, Lenox, Mass.
 W. B. Purnell, Snow Hill, Md.
 Harry J. Quick, Baltimore, Md.
 Mrs. H. J. Quick, Baltimore, Md.
 Mrs. John Quick, Baltimore, Md.
 Harry Quint, Boston, Mass.
 Samuel Quint, Boston, Mass.
 R. M. Rachely, Detroit, Mich.
 Howard Reid, Philadelphia, Pa.
 Mack Richmond, Baltimore, Md.
 Charles Robinson, Boston, Mass.
 Henry M. Robinson, Boston, Mass.
 Julius Roebrs, Jr., Rutherford, N. Y.
 W. Rosenthal, Boston, Mass.
 Wm. F. Ross, Locust Valley, N. Y.
 David F. Roy, Marion, Mass.
 M. E. Ruane, Waltham, Mass.
 Chas. E. Russell, Cleveland, O.
 David Rust, Philadelphia, Pa.
 John Runzky, New Bedford, Mass.
 Chas. Sahr, Rochester, N. Y.
 Mrs. Chas. Sahr, Rochester, N. Y.
 A. Salter, Rochester, N. Y.
 Geo. Saltford, Poughkeepsie, N. Y.
 Wm. G. Saltford, Poughkeepsie, N. Y.
 Martin Samtman, Chestnut Hill, Pa.
 F. N. Sanborn, Boston, Mass.
 Chas. Sandford, Buffalo, N. Y.
 Jos. Sangster, Buffalo, N. Y.
 Emmet Saunders, Lewistown, Md.
 Rudolph Schiele, Chicago.
 Xavier E. E. Schmitt, Philadelphia, Pa.
 Frank Schusk, Cambridge, Mass.
 Edward H. Schwartz, Sharon Hill, Pa.
 Robert Scott, Convent, N. J.
 Alexander Scott, Sharon Hill, Pa.
 Edward Seery, Paterson, N. Y.
 Chas. L. Seybold, Wilkesbarre, Pa.
 John Share, Harrison, N. Y.
 Leroy E. Shaw, Pittsfield, Mass.
 John A. Shed, Denver, Colo.
 J. S. Shield, —, Ill.
 R. Shore, Ithaca, N. Y.
 Robt. T. Shore, Glencove, N. Y.
 Wm. Sim, Cliftondale, Mass.
 G. H. Sinclair, Holyoke, Mass.
 L. C. Small, Tewksbury, Mass.
 Arthur Smith, Reading, Pa.
 H. J. Smith, Hinsdale, Mass.
 Frederick Smith, Madison, N. J.
 John P. Sorenson, Essex Falls, N. J.
 Theo. Staudt, Buckville, Conn.
 R. B. Stiles, Petersburg, Va.
 Geo. L. Stillman, Westley, R. I.
 Robt. Stobo, Great Neck, N. Y.
 Wm. Stoy, Attica, N. Y.
 Jos. Streit, Buffalo, N. Y.
 Chas. Stringer, Philadelphia, Pa.
 E. A. Strond, Philadelphia, Pa.
 Edward S. Strout, Biddeford, Me.
 Mrs. E. S. Strout, Biddeford, Me.
 James Stuart, Mamaroneck, N. Y.
 Mrs. Frank Stuppy, St. Joseph, Mo.
 Frank Stuppy, St. Joseph, Mo.
 Henry Sumade, Saratoga Springs, N. Y.
 Wm. Swayne, Kennet Sq., Pa.
 Gustave H. Talpke, Detroit, Mich.
 Mrs. G. H. Talpke, Detroit, Mich.
 J. Otto Thilow, Philadelphia, Pa.
 M. B. Tiltson, Great Neck, N. Y.
 Chas. H. Totty, Madison, N. J.
 B. Hammond Tracy, Wenham, Mass.
 Edward P. Tracy, Albany, N. Y.
 Jos. Trandt, Canajoharie, N. Y.
 Theo. Travillian, Tarrytown, N. Y.
 W. G. Tricker, Madison, N. J.
 Wm. Tricker, Arlington, N. J.



CARNATION MATCHLESS EXHIBITED BY THE COTTAGE GARDENS CO., AT THE NATIONAL FLOWER SHOW.



SAMUELSON'S DISPLAY AT THE CHICAGO SHOW.

Phillip Ulrich, Johnstown, N. Y.
Miss Ulrich, Johnstown, N. Y.
Clarence Upton, Enfield, Pa.
A. F. Viand, Cambridge, Mass.
A. F. Vick, Philadelphia, Pa.
R. A. Vincent, White Marsh, Md.
Thos. A. Vincent, White Marsh, Md.
E. W. Vineca, New Salem, Mass.
Lillian A. Vineca, New Salem, Mass.
Harold B. Vyse, Morristown, N. J.
H. Wallecker, Braintree, Mass.
Geo. C. Watson, Philadelphia, Pa.
J. A. Weber, Hartford, Conn.
Julius Weiss, Trenton, N. J.
Edmund J. Welch, Boston, Mass.
Paul Wenzel, Manchester, Vt.
Chas. Wheeler, S. Bethlehem, Pa.
James Wheeler, Natick, Mass.
Chas. N. White, N. Y.
Chas. N. White, Medina, N. Y.
S. A. White, Amherst, Mass.
Andrew Whitelaw, Noroton, Conn.
Percy D. Whitney, Morristown, N. J.
Ernest E. Wild, Madison, N. J.
Jas. Williams, Philadelphia, Pa.
Robert Williamson, Greenwich, Conn.
E. P. Wilson, Rochester, N. Y.
Mrs. E. P. Wilson, Rochester, N. Y.
Norman F. Winter, Charleston, W. Va.
Julius Wolff, Jr., Philadelphia, Pa.
Maurice Wolff, Montreal, Quebec, Can.
Wm. Woodley, Meriden, Conn.
Geo. Wyness, Fride's Crossing, Mass.
F. W. Ziechmann, Cleveland, O.

Boston Co-operative Flower Market.

THE EXHIBITION.

The show of the Boston Co-operative Flower Market, Boston, Mass., April 12, 1913, was well attended and a success in every way. The exhibits were generally of a high order and the awards well deserved. In many cases the competing entries were so nearly equal in quality the judges had their work cut out for them in making their decisions.

Awards—Roses.

Killarney Pink, 25 blooms, Wax Bros. cup—Exeter Rose Conservatories.
Richmond, 25 blooms, S. Hoffman prize—Exeter Rose Conservatories.
White Killarney, 25 blooms, A. T. Stearns Lumber Company cup—New England Rose Co.
Killarney, Dark Pink, 25 blooms, J. A. Zinn prize, watch—Waban Rose Conservatories.
American Beauty, 25 blooms, Boston Co-operative Flower Market prize—New England Rose Co.
Aaron Ward, 25 blooms, D. J. Lamey prize, cut glass—W. Elliott.
Lady Hillingdon, 25 blooms, S. J. Dangel prize, cut glass—New England Rose Co.
Killarney, Pink, 25 blooms, Fottler, Fiske, Rawson Co. prize—W. R. Morris.
Richmond, 25 blooms, T. J. Grey & Co. special prize—N. Boyle.

White Killarney, 25 blooms, J. M. Cohen prize cup—W. R. Morris.
Dark Pink Killarney, 25 blooms, Joseph Breck & Sons Corporation prize, cut glass—R. Montgomery.
Lady Hillingdon, 25 blooms, Means & Thatcher, cut glass—R. Montgomery.
Best new rose of 1913 or undisseeded, 25 blooms, Boston Plate & Window Glass Co. prize—Waban Rose Conservatories.
Sweepstake prize in above classes, for best vase of roses, H. Penn silver cup—Waban Rose Conservatories.

Carnations.

White, 50 blooms, Phil Feinstein prize, cut glass—L. E. Small.
Scarlet, 50 blooms, Henry R. Comley prize, cut glass—C. S. Strout.
Light Pink, 50 blooms, H. T. Capers prize, cut glass—C. S. Strout.
Dark Pink, 50 blooms, Braman Dow & Co. prize, cut glass—Arthur Griffin.
Crimson, 50 blooms, Boston Co-operative Flower Market prize, cut glass—W. R. Nicholson.
Variegated, 50 blooms, Johnson Knight prize, cut glass—Jas. Wheeler.
Seedling, not disseminated, 50 blooms, John McFarland prize, cut glass—M. A. Patten & Co.
Seedling, white, not disseminated, 50 blooms—A. Roper.
Seedling, red, not disseminated, 50 blooms—A. Roper.
Seedling, light pink, not disseminated, 50 blooms, J. H. Leach.
Seedling, variegated, not disseminated, 50 blooms—John Barr.
Vase of 100 carnations, any color, Robert Montgomery cup—M. A. Patten & Co.
Vase of 100 mixed carnations, limited to six varieties, B. A. McGinty prize, cut glass—M. A. Patten & Co., first; C. S. Strout, second; Arthur Griffin, third.

Violets.

Bunch of 100 blooms of Lady Hume Campbell—H. P. Calder, first; F. L. Sly, second.
Bunch of 100 blooms of Princess of Wales—J. H. Newman, second.

Miscellaneous.

Snappdragons, 25 pink—F. E. Palmer.
Snappdragons, vase 50 spikes, any color, Russell Norton Co. prize, cut glass—James Wheeler.
Marguerites, best vase 100 yellow—J. W. Simpson, first; Jas. Wheeler, second.
Group of commercial foliage and flowering plants, not to cover more than 60 square feet of space—A. H. Hews & Co. prize cup—Wm. Walke.
Floral wreath, W. H. Elliott prize—Frank Noughton.
Best arranged centerpiece for table, cut flowers, Winter Place Tavern prize, cut glass—Hoffman.

Best shower bouquet for bride, Norris F. Comley prize, cut glass—J. A. Zinn.

Best arranged floral basket, H. M. Robinson Co. prize, cut glass—J. A. Zinn.

Bachelor buttons, basket to be made up with bachelor buttons and yellow marguerites, L. E. Small prize—Wax Bros.

Best display of 100 pansies, Arthur Griffin prize—W. C. Ward.

Asparagus sprengeri, 25 sprays—W. B. Elliott.

Asparagus plumosus, 25 sprays—Mrs. J. A. Flood.

One hundred flowers yellow primroses—Ed. Bingham.

Best display of bulbous cut flowers, C. S. Hodgson prize—Leach & Bond.

Wallflower, 25 spikes—N. F. Comley, first; N. F. Comley, second.

Lily of the valley, 150 spikes, Geo. W. Ayer prize—J. H. Leach & Son, first; J. T. Butterworth, second.

For the best new or novel exhibit, Welch Brothers prize—E. Woods.

Bachelor buttons, 100 blooms, George Barr prize—L. A. Small, first; N. F. Comley, second.

Special for calla lilies, best 25 blooms, A. R. Hutson prize, cut glass—Mrs. J. A. Flood.

Sweet Peas.

The best four varieties, 100 blooms in vase, winter flowering, Wm. Rosenthal prize, cup—Wm. Sim.

White, 100 blooms—Wm. Sim.

Pink, 100 blooms—Wm. Sim.

Purple or lavender, 100 blooms—Wm. Sim.

Any other color, 100 blooms—J. K. Chandler.

Best vase of 200 blooms, Donald Carmichael prize—Wm. Sim.

Bunches of Botany.

When the Daffodils go daffy
And the Violets grow vile,
When the Hollyhocks are hocking
And the Smilax doesn't smile,
Then the Pansy cannot pan out
And the Rose will never rise,
And Blackberries cannot blacken
Any Black Eyed Susan's eyes.

For the Crocus crows seriously
When the Primroses are prim,
The Daisy dazes all the days
If they dare to dazzle him.

So the Plum espoused the plumber,
And the blatant Bluebell blew,
As the Pear could not beat two pair,
And the Tulip held the two;
Still the Morning Glory gloried
In the Buttercup's cute cup—

Then the Botanist awakened—
Thought 'twas time for getting up.
—George Taggart.

American Carnation Society.

The Annual Meeting.

The annual meeting of the American Carnation Society was held in the Grand Central Palace on April 9. President Breitmeyer's address was well received. It was reported that at the time of the last meeting in Detroit the sum of \$437 had been collected for the Fred Dorner Memorial fund. The committee was then instructed to continue its efforts to swell the fund, and a total of \$979 was received. Of this, \$439 was \$1 and \$2 subscriptions and \$540 in subscriptions ranging from \$5 to \$25. The committee gratefully acknowledged the receipt of a draft for \$10 from the Perpetual Flowering Carnation Society of England. The total fund with accrued interest now amounts to \$1,018.71.

At the meeting of the board of directors in Detroit, January, 1912, J. A. Valentine was authorized to secure designs for a medal. At the directors' meeting in Chicago in August, 1912, Mr. Valentine submitted a design from Henning Ryden of New York city which was approved by the board, and it was decided that Mr. Ryden be commissioned to prepare the dies for striking the medal. The Dorner brothers agreed to bear the expense of making the dies. The dies have been made and a 10-carat gold medal has been struck and delivered to the committee. The plan for awarding the medal, devised by Peter Fisher, has been approved and is as follows: A gold medal will be awarded to the best 100 blooms of any undissected carnation, sports not admissible; the variety must have been in cultivation not less than three years, and must score not less than 85 points, judged by the American Carnation Society's scale of points, the medal to be awarded to the originator, who need not necessarily be the exhibitor, and can be awarded but once to the same variety. To be eligible to compete for the medal, 50 blooms of the variety must have been shown at a previous exhibition of the American Carnation Society in a preliminary class and scored not less than 80 points. The committee reported its work finished and stated that the fund was deposited with the Lafayette Loan and Trust Co., where it draws 4 per cent interest. The committee extended thanks to all the contributors for their generous response. On suggestion of President Breitmeyer, E. G. Hill moved that the first medal struck be presented to Mrs. Dorner, and it was ordered that such action be taken.

Fred B. Dorner feelingly acknowledged the courtesy of the society.

S. S. Skidelsky and John A. Evans reported that John A. Newby of Logansport, Ind., had suffered greatly from the flood and had been compelled to cancel all orders. President Breitmeyer spoke of the general knowledge of the suffering in the flooded districts and appointed S. S. Skidelsky and John A. Evans a committee to consider the matter of affording assistance to fellow craftsmen who might need it. W. N. Rudd moved that it was the policy of the society not to consider invitations for the next meeting if they were not sustained by the local florists' or-



R. T. BROWN.

President Elect American Carnation Society.

ganizations or prominent men in the trade. The motion was adopted.

Officers were elected as follows:

R. T. Brown, of the Cottage Gardens Co., Queens, N. Y., president.

A. J. F. Bauer, Indianapolis, Ind., secretary (re-elected).

F. B. Dorner, Urbana, Ill., treasurer (re-elected).

S. J. Goddard, South Framingham, Mass., director.

Eugene Dailledouze, Brooklyn, N. Y., and C. W. Johnson, Morgan Park, Ill., judges.

A protest against a decision of the judges by Henry Weston, Hempstead, N. Y., in regard to the largest carnations at this show was referred to the directors.

President Breitmeyer's Address.

The good old spirit to be mutually benefited in advancing the standard flowers, particularly that of the carnation, has again assembled this happy "family." In reviewing the past year, we find new facts presenting themselves which should lead this assembly into very interesting discussions, which in turn should bring forth suggestions and resolutions of great benefit to all. The general prosperity of the country has left its golden traces among the growers of carnations as well as the retailers of them, and many an up-to-date structure has been added to bring about the biggest development of the carnation. Quality has been produced, and the retailer has had the opportunity of the enormous output at a fairly reasonable price.

In spite of these indisputable facts, a question worthy of your most serious consideration and analysis arises. Is the popularity of the carnation on the increase? Or, in other words, has the consumption increased in the same ratio as our population and general advancement of ethics and prosperity? Is the more often occurrence of special sales on carnations a sign of the increased popularity of the carnation, or is it a sign of more or less over-production? In the dissemination of varieties, too much stress seems to have been laid on color and size, the odor in most cases having been lost sight of. In years past, when our population was less and the demand for carnations was, in proportion, larger, we were blessed with, though smaller blooms, yet more fragrant varieties. There is no doubt in my mind that the spicy odor of the carnation was a great factor in the sale of these flowers, and with the present advancement in salesmanship, the term "fragrant carnation" is almost a thing impossible and by virtue of this lack of fragrance, other flowers have become greater competitors.

Further, it seems very necessary to infuse a new strain of blood to overcome the general and quite remarkable falling off of their keeping qualities. It has become a serious problem, especially to the retailer. I believe that unless a remedy is found, there will be a great difference in the sale of carnations. We can all agree that already other good lasting flowers have found their way to the flower shop as a keen competitor. This may not matter much to the retailer, but it is very important to the carnation grower and there should be vigilant care and careful scrutiny given to the many new introductions offered each year which should not be enrolled unless the present defects are eliminated.



GENERAL VIEW OF THE CARNATION EXHIBIT AT THE CHICAGO SHOW.

I also wish to call your attention to the well known lack of carnation blooms during the summer months. Owing to the failure of the aster, there seems to be a field not yet covered. It is a fact that the breeders of anenomes and pompon chrysanthemums are straining every point to produce summer blooms, and to my notion, a carnation would fill the bill as few other flowers will do. We have everlasting

the third week in January, seems yet to be much favored. In fact the holding of our exhibitions at that time seems to be more favorable and practical. This may not agree with my past argument which was to the effect of closer relation with the American Rose Society and other kindred societies, especially for the purpose of holding joint exhibitions such as we enjoyed in Detroit and are now enjoy-

in the carnation or any other flowers, will find time and money to attend all such meetings, no matter where they are held. In conclusion, I believe that the Carnation Society, as expressed by many of its most active members, should act for the best interests of its aims and purposes, and if the plans now adopted are not practical, the matter should be brought up for discussion and deliberation. It is to be remembered that our interests lie in the carnation, its development, and the creation of a sale for it, and all that can be done to accomplish this end should have attention. The carnation must be grown the year round, and its blooms must rank in quality with the grandest of all flowers, the rose.

Secretary Baur's Report.

We are able to report progress in all departments this year save one. This one exception being one of the most important departments and of vital interest to the society, we will ask you to carefully consider a number of recommendations which will be submitted at the end of this report. The proceedings of the last convention were distributed to all paid-up members, as is customary. These proceedings did not include any statement from the treasurer of the Detroit Florists' Club, who had charge of the gate receipts at the exhibition in that city in January of last year. This statement was submitted, however, to the board of directors at their meeting in Chicago last August. Their action thereon will be presented at this meeting for approval.

At the directors' meeting there was also drafted a schedule of premiums for the carnation show, which is running at this time. Alterations were made in the rules governing entries for competition, eliminating all restrictions in regard to membership in this society, except in the A. C. S. medal class, which is reserved for our members only. Including premiums from all sources, the schedule carries a larger total than any previous list, which means that there is offered at this exhibition more money, medals and plate than has ever before been offered for carnations at any one exhibition. The National Flower Show committee agreed to pay the first \$1,000 cash premiums awarded. A spe-



MT. GREENWOOD CEMETERY'S ROSETTE CARNATIONS AT THE CHICAGO SHOW.

complaints concerning the packing for shipment of carnation blooms, and while it may be out of place to bring it up now, it does seem wise to caution many of our best growers that some thought and study should be given to overcome this ever present criticism.

Owing to the newness of the parcel post, the powers that be are in a receptive mood and it seems timely that suggestions be made. As the situation lies, the government maintains as good and better service between cities than the express companies do. The only difficulty so far is the delay of collections and deliveries in cities. If properly presented, the government, no doubt, would supply proper schedules for the departure and arrival of mail trains. This should lead to a cheaper and safer transmission of our produce than now exists, especially in the plant line.

The past year has been anything but satisfactory in the addition of new members. The root of this cause should be found and a remedy provided. It has been said that there is no inducement for those interested to become members of our society for the reason that they can procure all the information and benefits on the outside. Further, that there is practically no barrier for non-members getting all the benefits, and I believe that is true. This brings to mind the old doctrine, "A Society for its Members," and perhaps it will be necessary to establish such a rule to be adopted and adhered to. There is no doubt that the societies which hew closer to a policy of not spreading its news broadcast, is more attractive to a joiner and I can see reason why a new policy should be well considered and in the end insure the society against disintegration.

The time for holding our meetings, which had been adopted originally as

ing in New York. It may not be too soon to discuss this question, but to my idea, it is important to hold the meeting of the Carnation Society when the season is most appropriate.

The policy of free exhibitions properly managed and restricted as was planned originally and met with much success should not be lost sight of, and I hope that a good discussion shall be brought about on this subject. It need not follow that a National Flower Show should interfere with an annual carnation meeting. I am of the opinion that the grower who is interested



CHICAGO CARNATION CO.'S PINK DELIGHT CARNATIONS AT THE CHICAGO SHOW

cial effort was made to interest the retail men in the exhibition by offering liberal premiums in a number of attractive and practical classes.

On account of the flood conditions, which surrounded Indianapolis immediately following Easter, at which time the entries were supposed to be sent in, it was impossible to enforce the time limit on filing entries. All entries which reached the secretary before leaving for New York were accepted without any assessment of fine.

During the past year the Fred Dorner Memorial Fund campaign was brought to a successful conclusion. A detailed report will be submitted at this meeting.

In obedience to instructions given at the Detroit meeting, a public accountant was engaged to check over the books of the secretary and treasurer. This was done on February 20 of last year, and again on February 28 of this year. As is shown by the audit, all funds are properly accounted for. There can be no question of the wisdom of this procedure, and as your secretary, we wish to express our appreciation of the establishment of this custom. The first audit was made in time to be published in the proceedings of last year's convention. This year's audit will accompany the treasurer's report. All bills have been paid promptly on vouchers drawn by the secretary and signed by the president.

Ten new seedling varieties and one sport have been registered with this society since the last annual report appeared. Besides these there have been registered with the Perpetual Flowering Carnation Society of England some 35 seedlings and sports. Duplication of names already used is carefully guarded against. We find among the list a considerable number of names without any record of color, originator or date of dissemination; in fact, nothing whatever to identify the variety. In all such cases we would recommend that the name shall be available for naming new varieties.

During the past year death has claimed two of our members, J. F. Wilcox of Council Bluffs, Ia., and Chas. Knopf of Richmond, Ind. Both of these men were well known to most of us and highly esteemed.

The one department in which we are unable to report progress is that of membership. Ever since the meeting in Boston, two years ago, the membership has decreased in numbers. About the usual number have run delinquent each year, but less than the usual number of new members have been added. During the past year the delinquents were 45, while the accessions were only 20, making a decrease of 25 for the year. There are now 261 annual members in good standing and 12 life members.

We can account for this in only one way and that is the letting down of all barriers to outsiders who are coming in and getting all the benefits which should rightfully be reserved for our members only. This society cannot endure for long if this policy is continued, and we would respectfully submit the following recommendations for your careful consideration: We should hold our conventions regularly each year regardless of national or other exhibitions, and we should hold our conventions and exhibitions alone. Our regular meeting date (the last Wednesday in January) should be strictly adhered to. The idea of alternating the meetings between the east and west is conducive to a growing membership and should be continued. We should allow no admission fee to be charged the public at the door of the exhibition, as the charging of a fee, be it ever so small, tends to re-

duce the number of visitors. Only members in good standing should be allowed to compete for premiums of any kind, including certificates of merit. Nor should anyone, except members of this society and the local entertaining society, be allowed to attend any of the social functions connected with the convention. Efforts should be continued to interest the retailers in the exhibitions. There should be more decorative work on exhibition than has been seen heretofore. If competitive classes will not bring them, then some other means should be devised. A campaign for new members should be instituted, and we would suggest that a committee be appointed at this meeting to formulate a plan for such a movement. Instead of decreasing, our membership should at least keep pace with the growth of the carnation industry. The thanks of this society are due the trade press



W. H. Waite.

President National Association of Gardeners.

for printing promptly, and gratuitously, all matter sent to them for publication.

A. F. J. BAUR, Sec'y.

Treasurer Dorner's Report.

EXPENDITURES.

Paid by orders on treasurer.....	\$1,132.23
Cash on hand	690.84
	\$1,823.07

RECEIPTS.

Cash on hand January 10, 1912.....	\$ 416.62
Received cash	1,406.45
	\$1,823.07

PERMANENT FUND.

Balance January 10, 1912.....	\$2,525.31
Two life memberships	100.00
	\$2,625.31

DORNER MEMORIAL FUND.

Balance January 10, 1912.....	\$ 444.04
Received cash	574.67
	\$1,018.71

NEWARK, N. J.—Sales for Easter were about as last year and prices were no better, is the report of H. C. Strobell & Co. Plants and cut flowers were both in ample supply. Hydrangeas, rhododendrons and rambler roses did not sell well. Azaleas, spiraeas, lily of the valley, daisies and bulbous stock had a good call. All cut flowers sold readily. There was little demand for large made-up baskets or large plants. Medium priced plants and baskets were the rule.

Fred Dorner Memorial Fund.

FINAL REPORT.

At the time of the last meeting in Detroit, the canvass among the members of this society for small contributions to the Fred Dorner Memorial Fund, which had been ordered at the Boston meeting, was completed. A total of some \$437 had been collected in contributions of one and two-dollar amounts. Instructions were given to continue the soliciting of contributions and to take advantage of numerous offers of larger amounts which had been made to the committee. These additional contributions swelled the total to \$979, of which \$439 is in one and two dollar contributions and the remaining \$540 in amounts ranging from \$5 to \$25. We are pleased to state that the Perpetual Flowering Carnation Society of England generously sent in a draft for \$10. These funds were deposited by the treasurer to draw interest, which up to date amounts to \$39.71, bringing the total in the fund up to \$1,018.71.

The board of directors, at its meeting in Detroit, January 12, 1912, delegated J. A. Valentine to secure designs for a medal which is to be bought each year with the interest accruing from this invested fund. Mr. Valentine submitted, at the directors' meeting at Chicago last August, a design from Henning Ryden, an artist of New York city, which the board approved with instructions that Mr. Ryden be commissioned to prepare a set of dies for striking the medals. The Messrs. Dorner having agreed to bear the expense of having these dies made, this matter was turned over to them for final execution. The dies have been made and a 10-karat gold medal delivered to us to be paid for out of this fund.

At the same meeting in Detroit, Peter Fisher was delegated to devise a plan for awarding this medal. Mr. Fisher submitted the following plan at the Chicago meeting and it was approved by the board: A gold medal will be awarded to the best 100 blooms of any undissemated seedling carnation (sports not admissible). The variety must have been in cultivation not less than three years and must score not less than 85 points, judged by the American Carnation Society's scale of points. The medal to be awarded to the originator, who need not necessarily be the exhibitor, and can be awarded to the same variety only once. To be eligible to compete for this medal, 50 blooms of the variety must have been shown at a previous exhibition of the American Carnation Society in a preliminary class and scored not less than 80 points.

With this report the work of the committee is finished. The fund is deposited with the LaFayette Loan and Trust Co., where it draws 4 per cent interest. The committee wishes to thank each and every contributor for the ready response with contributions. A complete list of contributors is on file in the secretary's office.

Dorner Memorial Fund Committee.

Some of the Exhibits.

The exhibition of the American Carnation Society brought together a splendid lot of flowers. Vases of all the standard varieties, together with some sterling novelties, filled the tables set apart for them in the center of the building. There were eighty vases in all, many of them holding one hundred blooms. Chief among the novelties was a vase of Matchless, from the Cottage Gardens Co., Queens, N. Y. This is a wonderful large white that outclasses all others now in commerce. The display was awarded a

gold medal, the highest gift of the society. Princess Dagmar, M. A. Patton's new crimson, a superb, large flower, won the silver medal of the Perpetual Flowering Carnation Society of England, also first prize for the best crimson and a bronze medal. Gorgeous is a grand red and was easily first in its class. In fact it is sure to be the coming red. Miss A. Coombs, an immense salmon, was a very conspicuous flower. It is a great step forward in this color. It was awarded a silver medal. Electra, Beacon, Wm. Eccles and Scarlet Gem were competing reds. Beacon won out. Quite a number of vases of this fine red were seen. Pink Delight looked small when compared with Gloriosa and Salmon. Benitz was shown in a small vase. The flowers were immense. Mrs. C. W. Barron, M. A. Patton's large blotched pink and white, is a very beautiful sort and received first in two classes. A small vase of a fine crimson called Carola showed well. The Mikado, from the Howard Gould estate, was pretty in its ugliness. It takes an acquired taste to admire this variety.

The western entries, generally so important, were greatly missed. E. G. Hill's entries were delayed on account of poor railroad facilities in the west, while the Dorner novelties, owing to the lateness of the season, have all been cut back for cuttings. Most of the growers were of the opinion that it was too late to show carnations at their best. A large shipment of odontoglossum plants in flower and cut sprays of the same, also cypripediums, were received on Tuesday afternoon from W. A. Manda's English branch. They were staged at once and were a great attraction. K.

National Association of Gardeners.

A meeting of the National Association of Gardeners was held in the lecture hall of the Grand Central Palace on Monday afternoon at 2 o'clock. Preceding the meeting the executive board of the association met and acted on several matters which were later reported at the general meeting. President William H. Waite, after welcoming the visiting members, introduced J. K. M. L. Farquhar, president of the Society of American Florists, who lauded the gardeners and their splendid exhibits which, he said, made it possible to produce such a magnificent show as they were assembled at. He followed this with a forcible address which can aptly be summarized as a heart-to-heart talk with the men of the gardening profession and in which he urged the cultivation of a closer confidence between the gardener and his employer.

Mr. Farquhar was heartily applauded at the conclusion of his remarks. W. J. Kennedy, president of the Gardeners & Florists' Club of Boston, was next introduced. Born, as he said, a gardener, he spoke with authority of the development of the profession, endorsing all the previous speaker had to say on the opportunities which are presenting themselves for the advancement and elevation of the profession. Mr. Kennedy spoke of the great interest which has sprung up over the activities of the National Association and pledged his efforts to its further progress. He was followed by John Shields, of Monticello, Ill., one of the directors of the association.

Next came J. J. MacKey, also of Monticello, who spoke on the development of agriculture in the West. H. H. Bartsch, vice-president of the Gardeners & Florists' Club of Boston, was next introduced. Harry Bunyard announced that owing to sudden sickness in the family of R. J. Felton of London, England, who was to lecture at the meeting, he was prevented from

sailing for this side at the last moment. The secretary was called on next to report on the doings of the executive committee. After briefly reviewing the financial condition of the association, showing a most substantial balance in bank, he read a communication received from the New York Horticultural Society inviting the National Association of Gardeners to hold its annual convention in New York city this fall, in connection with the Fall Show of the Horticultural Society. The invitation was accepted.

Mr. Farquhar, as president and the Massachusetts Horticultural Society, extended an invitation to the association to hold its summer meetings in July, at the time of the summer show of the National Horticultural Society, in conjunction with the sweet pea show of the American Sweet Pea Society. This was also favorably acted on by the committee, which decided to hold the summer meeting in Boston. An invitation was read from President C. C. Moore of the Panama Pacific International Exposition, addressed to the National Association of Gardeners to hold its 1915 convention in the city of San Francisco during the time of the Exposition. Resolutions were passed at the meeting, extending the association's thanks to the Exposition Company, and that the association go on record that it was the sense of the meeting that the 1915 convention be held at San Francisco. The ratification by the board of directors for the establishment of a service bureau to offer an opportunity to the younger men in the profession for a source to which they can look for betterment, was also reported at the meeting.

THE BOWLING TOURNAMENT.

The bowling tournament of the National Association of Gardeners, held at Thum's alleys, New York, Wednesday, April 9, brought together a large number of gardeners and florists, members of the N. A. G. and S. A. F. While no record scores were made, the event was enjoyed by all and proved a success. Donaldson, Miesem and Iquey carried off the honors for the Astoria team, which won in the team tournament. Iquey made the high score, 235. Seybold won in the sweepstake contest. The following morning the N. A. G. invited the ladies of the S. A. F. Auxiliary to a bowling contest.

On the evening preceding the bowling event, many of the bowlers attended the "Dutch treat" of the N. A. G., held at the Murray Hill hotel. Good music was enjoyed. The assembly was addressed by J. K. M. L. Farquhar, E. H. Philpott, of Winnipeg, Man., President William Siebrecht of the New York Florists' Club, Edward Jenkins of Lenox, Mass., and Charles Weathered of New York.

The bowling scores follow:

THREE MEN TEAM CONTEST.	
Astoria	1520
Philadelphia Horticultural Society	1465
Baltimore	1433
Westchester & Fairfield	1422
New York	1387
Glen Cove	1339
Tuxedo	1297
Elberon	1272
Oyster Bay	1191
Yonkers	1104

SWEEPSTAKE.	
Seybold	522
Zerk	520
Robertson	514
Shaffer	508
Brown	496
Niquet	490

INDIVIDUALS.	
Bentley, Tuxedo	484
Beekbar, Tuxedo	369
F. Barth, Tuxedo	411
W. Gordon, Yonkers	379
Mengies, Yonkers	385
L. Gordon, Yonkers	340
A. Everett, Glen Cove	411
Westlake, Glen Cove	398
Brown, Glen Cove	530
Shaw, New York	316

J. Robinson, Montreal, Que.	288
J. Luck, Montreal, Que.	244
E. Hawwood, Montreal, Que.	269
H. Eddie, Montreal, Que.	195
Trepess, New York	154
Head, New Jersey	492
Niven, Garrison, N. Y.	364
Addor, Westchester	342
Imman, Elberon	126
Tansey, Tuxedo	361
A. Barth, Tuxedo	518
Schaeffer, Tuxedo	414
McGregor, Tuxedo	234
Murray, Thos., Tuxedo	480
Carter, Yonkers	324
Cooke, Washington	555
Wilde, New York	463
Johnstone, Glen Cove	498
Quick, Baltimore	421
Miesem, Elmhurst, L. I.	457
Brown, Richmond, Va.	385
Dodds, Phila. Hort. Soc'y	450
Robertson, Phila. Hort. Soc'y	523
Bachelor, Phila. Hort. Soc'y	483
Hamblinton, Elberon, N. J.	471
Kennedy, Elberon, N. J.	420
Murray, Elberon, N. J.	387
Donaldson, Astoria	499
Niquet, Astoria	584
Siebrecht, Astoria	437
Altchison, Westchester and Fairfield	400
Stuart, Westchester and Fairfield	455
Zerk, Westchester and Fairfield	567
Forbes, Yonkers	335
Adcock, Mamaroneck	354
E. Jenkins, Lenox, Mass.	402
A. Jenkins, Lenox, Mass.	391
J. Roy, Stamford, Conn.	432
Shore, Katonah, N. Y.	345
M. Lennan, Washington, D. C.	538
Ashworth, Locust Valley, L. I.	253
Bombrowsky, Glen Cove, L. I.	406
McKenzie, Glen Cove	325
McDonald, Glen Cove	317
Thau, Baltimore	409
Shaffer, Washington	548
McGraham, Philadelphia	456
Rasmussen, New Albany	407
Adelberger, Philadelphia	461
Kessler, New York	437
Manda, New York	437
Fenrich, New York	449
Chadwick, New York	432
Kennedy, Tonnappay	437
Ellis, Yonkers	439
Gordon, F., Yonkers	442
Kakuda, New York	346
Fitzgerald, Yonkers	369

LADIES' S. A. F.

Mrs. T. H. Traendly	83	106	96
Mrs. J. A. Manda	106	112	101
Mrs. A. Farenwald	39	47	80
Mrs. H. Quick	96	98	83
Mrs. R. V. Wittman	84	118	85
Mrs. J. Dodds	85	41	80
Mrs. A. Bunyard	63	77	58
Mrs. W. N. Rudd	89	90	101
Mrs. G. H. Cooke	104	71	100
Mrs. A. Rasmussen	75	101	111
Mrs. E. H. Harvey	68	65	86
Mrs. Edw. Farenwald	47	45	71

White Fly.

I note in a recent issue of your paper the article about getting rid of white fly and I wish to acquaint those who are troubled with these pests with the plan I use and find very effective. At the same time it is very cheap, simple, and easy to use. It is the best insecticide I ever heard of and so far have never known it to injure foliage of any sort. San Jose scale, mealy bug, thrip and all aphids are done for easily with it and two or three applications will finish any of them without injury to foliage.

The preparation comes in the form of a soap. According to the directions, one pound bar of it will make 10 gallons. It seems to be composed of whale oil and a formaldehyde preparation. I prepare it according to directions in one gallon lots. Get the nicotine preparation called "Black Leaf 40," and add a good big teaspoonful of this to the gallon and use a spray pump throwing a fine mist. Add the nicotine after the spray solution gets cold, after having been dissolved in the hot water. The fine mist or spray seems to suffocate the white fly and they fall whirling and dead. I find this plan cheap and easy to use and prepare. So far it seems to be a complete insecticide.

S. L. HARPER.

CLEVELAND, O.—The Royal Fruit & Flower Co., capital \$10,000, has been organized by Oscar Bamberger and others.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Eliminating Funeral Flowers.

In THE AMERICAN FLORIST of March 8 I noticed an article entitled "Eliminating Funeral Flowers," by M. C. Ebel. Mr. Ebel treats the matter very well, I think, and I heartily agree with him in that we should make some centralized movement against such ideas. I have had this to face frequently, as all florists have, I presume. I do not know if it is general, but in this location the Orthodox Jews will not allow flowers at funerals.

Of course the florist does not need argument to persuade him that flowers should be used at funerals but sometimes other people do, and I have found it very effective to meet sentiment with sentiment. I have yet to find the person who will answer the following three direct questions and answer all three in the affirmative: Did anyone very dear to you ever die? If so were there any flowers at the funeral? If so did you consider it a waste of money, and would you rather the flowers had not been sent? Then follow up your questions somewhat in this manner: Flowers sent in honor of the dead are for the living more truly than at any other time; for the loved ones who remain surely appreciate them more than if they were sent as presents to themselves.

The very man who scoffs at flowers for funerals and talks of waste of money on the dead who can not see and appreciate the flowers is the first and most extravagant in that line when one dear to him dies. He seems to try to forget the slurs and endeavors to make up for them. We might say, especially if talking with some representative of a charitable institution: "How much of this money, if not spent for flowers, would be contributed to charity?" Show me a person who scoffs at flowers for the dead and I will show you, nine times out of ten, one who gives very little for any charitable purpose. Instead of furthering the cause of charity, the discontinuance of flowers at funerals would be a detriment to it. Every time a person sends flowers for this purpose, that person is himself helped, and he will be more likely to assist a needy one than if he had kept his flower money in his pocket.

I contend also that few flowers are sent to funerals for the sake of charity, but a large majority for the sake of friendship. Hence we will find that the chief contenders against this beautiful custom often turn out to be chief "offenders" when the death touches them nearly. I think that while we should strike the snake whenever it shows its head, still we are in a winning fight, especially with such evidence all around us. The thing for us to do is to head off organizations which may make this decision against funeral flowers, in cold blood, when there is no specific case to consider, then when one dies whom they would like to remember with flowers they have no appropriation set aside for the purpose. I repeat these are the ones to consider. The problem of the individual will take care of itself. The man who advocates no flowers at funerals usually seems to think that he is

the originator of the idea, yet I suppose this idea of "eliminating" is as old as the custom itself. As long as we have a world it is my opinion that we will have flowers—also kickers.

W. J. BAKER.

Fort Worth, Tex.

The Double Spray.

SEE SUPPLEMENT WITH THIS ISSUE.

When the order is for a spray of large dimensions, it is best to propose that it be made double or in two parts, with a ribbon tie in the center. When appropriate, as for an elderly person, palm leaves should be used as a background or foundation, projecting from either end, adding to the stability as well as the size of the piece. Almost all long-stemmed flowers are appropriate for such arrangements. In the illustration Easter lilies with lilies of the valley grouped together in the center form a chaste combination. With these flowers white ribbon should be used. With the addition of violets in the center violet or purple ribbon is appropriate. Many request that violets be placed in the center on each lily. Customers should be told that this is no longer in vogue, it being much better to bunch the violets where the ribbon is tied, in which case the color effect is better and the graceful forms of the lilies are seen to much greater advantage.

These double sprays are not unwieldy when made up to a length of six feet, at which dimensions they are available for casket covers. For this purpose they should not be too formal but rather loosely tied and shaped at the ends so as practically to cover the space on which they are to be laid. Lilac, snapdragon, long-stemmed tea and American Beauty roses are all fine for such work, but they should all be at their very best when ready for delivery. Much work is seen made of half blown blooms or spikes that do not begin to reveal the beauty of the flower so that much of the effect is lost. Economy should be the watchword in every workshop; two dozen roses at their best make as good an effect as three dozen buds, and one-third of the price is saved. The same may be said of open lilac and snapdragon. Lily buds, as a rule, do not add to the effectiveness of a bunch, so quite a saving is realized by detaching the open flowers from stems with buds, allowing these to come on later.

These flowers are tied to other stems bearing open flowers and as nearly all the blooms can be arranged to show in one direction the decorative effect is much better. In arranging these large sprays they should be kept flat on the table and the bobbin of wire or spool of thread—a bobbin of No. 23 wire is best—wrapped around as additions, not of one but of several flowers are made. Some makers-up tie in one flower at a time and in doing so twist the bunch several times in the air, until finally they are obliged to lay it down to relieve the cramp in their hands. A loose effect is produced if several of the flowers used are first tied together, five dozen roses being made into twenty small sprays of three each. Short stemmed stock can sometimes be used up in connection with the longer stems in this way. The large spray is now quickly put together.

K.

Appreciative.

THE FLORIST AS A POET.

If the Office Window man had not been an Office Window man, he would have wished to be a florist. There is a profession, now, that is worthy of a poet. You have beautiful thoughts, and instead of translating them into words, you translate them into plants and flowers. You must be an artist in order to be a successful florist, for success in that line consists of more than putting cuttings in pots and setting them up on a bench and letting them grow. You must possess the subtle knack of bringing them forward in an unusually successful way, and making them more beautiful than your neighbor's flowers. The florist must possess brains, too, in order to be able to forecast the season's fashions in flowers, and to produce exactly the things which the market will call for. He has to be an artist first and a business man afterward. But always the artist first, for in this age and place of keen competition, the shrewdest florist cannot dispose of his stock profitably if it is inferior.

THE OLD SUBURBAN FLOWER MAN.

The Office Window man has known a good many florists, and they have mostly been philosophical men. His latest friendship among florists has been with a man of Swiss birth and education, who specializes on violets, carnations and chrysanthemums, out in a suburban town. It is always a pleasure to go in and chat with this man. He knows not only about the stock in trade of the professional florist, but understands the native wild flora as well. Nothing that blossoms is foreign to him. He will tell you about the thousands of red cedars that grew about his greenhouse forty years ago, when he first settled in the neighborhood, and will lament their disappearance. He is happy in the first dandelion that blossoms in the grass on the terrace in front of his house, and he will not extirpate the dandelions from his lawn, though no one understands better than he how it can be done. He watches for the song sparrows and bluebirds in the first week of March.

A WORTHY MONUMENT.

This florist is a happy philosopher, but he has his griefs. His greatest sorrow is the bad tree planting, the bad gardening, the melancholy efforts at flower gardening, that people engage in about him. He grieves that suburban Americans should be so slow to learn. A neglected maple on the street, with suckers springing up about it, and bark gnawed away by the horses that have been hitched to it, gives him real pain. He has gone to a neighbor and asked permission to make a slit with his knife in the side of a bark-bound maple. He has planted a tree now and then for the town, without any charge, because he wanted to see the tree have a chance to grow and thrive. And his heart swells with pride when he points to the noble German lindens which he set out here and there in the village thirty or forty years ago. Those lindens, and a good many other fine trees in the town, will be the old florist's monuments after he is gone. No doubt he will be forgotten, but something of his spirit will descend upon the villagers for a hundred years, from the spreading branches of those trees.—New York Mail.

ABILENE, KANS.—Local greenhouses were damaged by hail in a recent storm.

PLANT NOTES.

Gladiolus.

The gladioli that are being forced for spring blooming will soon begin to open their flowers and to have good clean stock they will require attention. The spikes should first of all be kept erect, for if they get bent and crooked half their value is gone, and this will occur very quickly on the bright sunny days when the plant leans over, so they should be kept tied either to stakes or wires to prevent this. The spike should be cut when the first flower opens and placed in water and the other flowers opened in the office or store room. These flowers spot very quickly if water is sprinkled upon them in the greenhouses and at this season of the year syringing on bright days is a necessity or red spider is sure to obtain a foothold, and if these pests become once well established it is almost impossible to eradicate them. Considerable discussion is often heard as to whether the corms of gladiolus forced are of any value another year. If the plant is not cut too far down on the stem and the corms are given an opportunity to thoroughly ripen there is no doubt but that the bulbs may be grown another year and good results obtained, but if the plant is cut off clear down to the ground the corm has no chance to make its full growth or to ripen and the corms will be practically worthless. Corms that are forced this year, and the spike cut so as to leave three or more leaves, if properly ripened can be planted outside another year and the following year first-class corms will be the result. The *Gladiolus Colvillei* can be forced year after year if grown properly.

Preparation for Memorial Day.

With the Easter stock out of the way, there will be room available for the plants that have of necessity been crowded more closely together for the last few weeks and the next great day before the grower is Memorial day. In those sections of the country where the late frosts are passed the bedding stock must be ready for planting out at that time, and the demand will be for plants in flower, for the customers will desire plants that will make a good showing by May 30, and the stock must be grown with that object in view to have a good sale. The geraniums and other blooming plants should be placed in their blooming pots, spaced out and given a good sunny location that they may be full of bloom by the last of May. It is next to impossible to sell plants that are not in flower at Memorial day. The production of flowers for that day must also receive prompt attention. Much of the floral work for Memorial day is what is called "cheap" work, that is, flowers that make a great show and are not expensive. So although there are many roses and carnations used, yet large quantities of the cheaper flowers are employed to fill in and make the sprays and bouquets larger. Early outdoor flowers and blooming shrubbery can be used, but in some sections these cannot be depended upon, so flowers must be grown in the houses. Stocks make a splendid flower for this purpose and should be benched at once. The plants should now be about three or four inches high and growing rapidly. Candytuft is grown in large quantities by some growers

for Memorial day. Seedlings can be transplanted in early April and brought into flower the latter part of May. *Spiraea*, both as a pot plant and for cut flowers, are very useful at this time; six to eight weeks will bring them into flower at this season. There are other annuals that can be raised for Memorial day blooming, but the two mentioned are grown in largest quantities.

Begonia Gloire de Lorraine.

The plants of *Begonia Gloire de Lorraine*, both the young rooted stock and the older plants, will now begin to make active growth. There is still time to propagate much stock; many growers prefer the May rooted plants to those propagated earlier, for the plants start right off into growth at this time while those rooted earlier grow very slowly during the late winter and early spring months. The young shoots that break from the old plants make fine cuttings at this time and if the plants are in good health are just as good as the leaf cuttings made earlier. As soon as rooted they should be potted in a light, fibrous loam in 2½-inch pots, and placed in a light, well ventilated house, but should be protected from all chilling draughts. They cannot be successfully grown in a stuffy-moist temperature and to have strong, healthy plants should not be forced in too warm a temperature. They will require a house at which the night temperature does not fall below 60° and should be given all the air possible without chilling during pleasant, bright days, carefully avoiding draughts. They will need to be watered carefully, for the roots are very fine and are growing slowly yet, and overwatering quickly shows in the growth of the plant. It is now a good time to procure young stock if the grower is not supplied for those making a specialty of this plant have the best of stock at this time.

Asparagus Plumosus and Sprengeri.

Small stock of *Asparagus plumosus* and *Sprengeri* are now a necessity with all plantmen, for they are freely used in fern dishes and in plant baskets, being very satisfactory plants for house culture. Fresh seed can now be obtained and the stock grown on through the summer, which will make fine stock for the next winter. The seed will germinate more readily and evenly if soaked in luke warm water placed in a warm location for 24 hours before planting. Instead of sowing the seed broadcast it is better to sow them about three-quarters of an inch apart and they can then be allowed to remain in the flats until they are strong enough to transplant. Do not cover the seed too deeply; an eighth of an inch of soil sifted over the seed is ample. The first potting must be carefully done, for they make a long tap root with very few small roots and the soil does not adhere to it, and in the young stage this root is easily broken. A warm house with plenty of moisture and careful watering with a slight shade is all they require after being potted. Overwatering will always cause the fronds to take a yellowish hue.

INDIANAPOLIS, IND.—The Hill-Heller Co. has filed a petition to change its name to the E. G. Hill Floral Co., Myer Heller having sold his interests to his partner, E. G. Hill of Richmond. The firm has another store in Cincinnati, O., and will establish others.

OBITUARY.

Wm. B. Sands.

Judge Wm. B. Sands, publisher of the *American Farmer*, and head of the firm of Wm. B. Sands & Sons Co., died suddenly of apoplexy at his home in Hollins, Md., near Baltimore, Tuesday, April 8. Judge Sands was well known as a horticulturalist, and for many years, until advancing age made the duties too heavy, he was one of the leading contributors of *THE AMERICAN FLORIST*. He had always taken a prominent part in horticultural affairs and was well and favorably known within his home state and elsewhere.

He was born in 1842 and was the son of Samuel Sands, the man who first typed the "Star Spangled Banner." He was one time judge of the Orphans' Court of Baltimore county and took a prominent part in the Baltimore county fair. For the last six or seven years he had been chairman of the art and design school of the Maryland Institute, of which he had long been one of the board of managers. He was a charter member of the Baltimore Gardeners and Florists' Club. Judge Sands is survived by six children. The funeral was held April 10 at the home. Pallbearers were Abraham Jessop, Clinton Jessop, Frank N. Hoen, Robert Halliday, John C. Hill and Augustin Ryan.

Addison Brown.

Addison Brown, from 1881 to 1901 a judge of the United States District Court for the Southern District of New York, died on April 9 at his home in New York city, aged 83 years. He was born in West Newbury, Mass., in 1830, being descended from Pilgrim stock. In the horticultural world, Judge Brown was known as one of the founders of the New York Botanical Garden. In 1896 and 1898 he was a co-worker with Dr. N. L. Britton in the preparation and publication of "Illustrated Flora of the United States and Canada." As a diversion from his legal and judicial duties he had always been a student of botany. As a judge he upheld the liberty of the press. When in 1895 Charles A. Dana, the noted editor, was charged with libeling the government, Judge Brown refused to grant his extradition from New York to Washington. He held that if the removal of any person accused of a crime against the United States is sought, it must first be shown that an offense against the government has been committed. That decision remains and is quoted today as a precedent.

A. F. F.

Adolphus J. Thompson.

Adolphus J. Thompson, a well known florist of New Haven, Conn., died March 29 of pneumonia, after an illness of two weeks. He had been a resident of New Haven all his life, being born there in 1850. He is survived by two daughters.

Mrs. Mary O'Brien.

Mrs. Mary O'Brien, widow of James O'Brien, who was one of the pioneer florists of Boston, Mass., died recently at her home, Jamaica Plain, aged 72 years. Several sons and daughters survive.

NORTH EASTON, MASS.—A valuable collection of orchids in the Langwater Gardens, on the estate of John S. Ames may suffer from lack of care as a result of a strike and subsequent discharge of a score of expert gardeners.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earliest possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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RENEW subscriptions promptly so that no copies of the paper may be missed.

It is always bad policy to risk tender stock outdoors in advance of the usual time, without adequate facilities for protection.

BANKERS and others with money to loan greenhouse men for projected improvements are now investigating the fire, hail and tornado insurance carried by the borrowers on their existing establishments.

THE National Flower Show at New York is reported a financial success, with total gate receipts of about \$13,500 and total paid admissions 30,000. Tickets taken in large blocks were sold at reduced rates.

THE approaching Minneapolis convention of the Society of American Florists was well advertised at the National Flower Show and Vice-President Wirth, who was in attendance, secured \$2,200 worth of advertising for the souvenir programme.

Society of American Florists.

MEETING OF BOARD OF DIRECTORS.

The board of directors of the Society of American Florists met February 25 at the Hotel Radisson, Minneapolis, Minn. There were present President Farquhar, Vice-President Wirth, Treasurer W. F. Kasting, Directors Allan Peirce, Harry A. Bunyard, C. H. Totty, J. A. Evans, R. Vincent, Jr., Thomas Roland, August F. Poehlmann, and, as secretary pro tem, George Asmus. The president announced that owing to the serious illness of Secretary John Young he had appointed Mr. Asmus secretary pro tem, which appointment was endorsed by the board. A telegram was sent to Mr. Young, who was an inmate of the Roosevelt Hospital, New York, expressing sympathy with him in his illness and the hope that he would speedily recover.

A sample of the proposed membership badge for 1913 was submitted to the meeting and the design being favorable to the board it was adopted and the secretary ordered to procure a supply of badges for the August convention. A design for a life membership badge was submitted by the secretary and was adopted. The secretary was ordered to procure a supply of these badges at a price not to exceed 75 cents each, and to place them at the disposal of life members at the cost price. A resolution was passed to the effect that the leading florists, or others having trade interests, forward any suggestions or demands they might wish considered relating to tariff legislation, affecting their interests, to Wm. F. Gude, Washington, D. C., chairman of the tariff and legislation committee, which committee met during the National Flower Show held in New York City April 5-12. Upon motion, the following were appointed as a local advisory committee in connection with the preparations for the convention in Minneapolis next August: Theo. Wirth, chairman, W. Desmond, Hugh Will, and George Asmus.

Vice-President Wirth submitted a plan covering the utilization of a large piece of land adjoining the Armory in which it was proposed to house the convention for an outdoor exhibition, the laying out of the ground, securing exhibits from the growers, and caring for them, turning the whole over to the society at the opening of the convention. The plan meeting the approval of the board it was, on motion, decided that such outdoor exhibition be provided for, merged with the general trade exhibit and made a part of the general expense, and that the secretary and advisory board be ordered to work out a feasible plan for carrying out the idea, and give public notice through the papers.

Charles Critchell of Cincinnati was appointed chairman of the sports committee of the convention. In regard to the rates for space in the trade exhibition at Minneapolis, it was decided that the rate be 40 cents per square foot, with a minimum price of \$20. It was further arranged that the business convention occupy four days and that the trade exhibit should be opened for the same period; and that all articles exhibited must be left in place until the close of the business session of the convention, which would be at 10 o'clock p. m. on the fourth day.

A resolution was passed that it was the sense of the board of directors that some action be taken by the society at the next convention whereby

exhibits of artificial flowers at the society's trade exhibitions and flower shows be prohibited. On Wednesday morning, Feb. 26, the board visited the Armory to inspect the building and arrange plans for the convention and trade exhibition. Afterwards a convention program was arranged and duly adopted.

The following appropriations were made: Entomologist, \$100; pathologist, \$100; botanist, \$100; convention badges, \$100; assistant to secretary at convention, \$100; sports committee, \$75; president's messenger, \$25; school garden committee, \$75. The accommodations at the Hotel Radisson having been found satisfactory, that hotel was appointed headquarters for the convention. Vice-President Wirth was invested with authority to make arrangements for the lease of the Armory. C. H. Totty, chairman of the National Flower Show committee, reported on the arrangements made for the show to be held in New York, and the report was accepted.

The salary of the secretary was fixed at \$1,000 per year, with an additional allowance of \$300 per annum for office rent. It was also decided that in consideration of his additional work as superintendent of the trade exhibition he be paid an additional salary of \$500 per annum, with a further allowance of \$200 to cover the expense of a thirty day stay in the convention city which would be required through his duties. After a resolution covering thanks to the local societies and Vice-President Wirth for hospitalities enjoyed during the visit of the board in Minneapolis the board adjourned to meet at the National Flower Show in New York City.

The Belgium Strike.

Under date of April 14, we are advised by McHutchison & Co., New York, as follows: "Our cable advices from Belgium inform us that the general strike goes into effect there today. The Red Star Line, which brings all Belgium plant shipments, will not accept perishable freight even though the Belgium government-owned railroads could carry the stock from Ghent to Antwerp. This completely ties up plant shipments from Belgium and catches us right at the beginning of the spring shipping season. Only one shipment has left Belgium—mostly bay trees. Further spring shipments will be delayed as long as the strike lasts—which is hoped to be not over two or three weeks."

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements should be carefully preserved as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue, as otherwise they may miss some of this high-grade work.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Position as traveling salesman for seeds, bulbs, plants or florists' supplies. Address Key 786, care American Florist.

Situation Wanted—As a working foreman, single, strictly sober and a good grower of cut flowers and potted plants; good designer and hustler. Key 811, care American Florist.

Situation Wanted—As Florist and gardener; well up in Carnation and Chrysanthemum growing. Single man; good reference. Key 806, care American Florist Co.

Situation Wanted—On commercial or private place by young man, aged 22 seven years experience in general greenhouse work. Private preferred. Address Key 828, care American Florist.

Situation Wanted—As a working foreman; married; strictly sober and a good grower of cut flowers and potted plants; good designer and a hustler. Key 827, care American Florist.

Situation Wanted—At once by a nurseryman to take charge of a nursery. Hollander; good all around man; state particulars in first letter; can give good references. Address Key 814, care American Florist.

Situation Wanted—Manager and foreman now in charge of about 80,000 feet of glass, wants a change; a good grower or manager of a store; first-class salesman and designer; can take charge soon. Address Key 817, care American Florist.

Situation Wanted—As florist and gardener in private place; Hollander; 10 years in this country; married; no children; life experience; can furnish the best of references. Address Key 801, care American Florist.

Situation Wanted—Head gardener, Englishman, age 40, married, without family. Life experience in all branches, including Orchids, Roses, Carnations, Mums, Early Forcing, fruit and vegetables, etc. Good references. E. RICHMOND, Elma Center, N. Y.

Situation Wanted—Florist and Gardener of 20 years experience on a private place or public institution; first-class grower of Orchids, Cut Flowers, and Vegetables, under glass or outside. Best references. Address Key 818, care American Florist.

Situation Wanted—A strictly first-class designer decorator and storeman will be open for an engagement on or before May 1. First class references. Good wages expected. Eastern city preferred. Write at once, if you need such a man. A. F. F. care American Florist, 124 East 24th Street, New York.

Situation Wanted—By gardener; Scotch; as head in private place; experienced in all branches of gardening, inside and out. Over 20 years in large establishments growing all kinds of greenhouse plants and vegetables. Also care of lawns and landscape work. Age 37; married; no family. ARCH LITTLEJOHN, 39 Temple St., Somerville, Mass.

Situation Wanted—Landscape Architect (German); 29 years of age, first-class technical and practical knowledge of landscape gardening. Expert in layouts of artistic plans and estimates for municipal and private parks. Recently employed as manager for some of the largest landscape contractors of Germany. Excellent references. Address. Key 809, care American Florist.

Situation Wanted—On commercial or private place by an all around man with 20 years of practical experience in this country and Europe; single, 35 years of age. Can furnish the best of recommendations from leading firms. Pot plants, roses, carnations and landscape gardening a specialty. State salary when writing. GEORGE BAKAITIS, 5433 North Seeley av., Chicago

Situation Wanted—As head gardener and florist superintendent on private place; English, age 35, married, one child aged 8 years. At present engaged, but desire change; life experience in all branches—hot house plants, cut flowers and fruit under glass, vegetables, lawn perennials, and the general routine of a well kept estate; 4 years and a half in present place; first-class references. Address. Key 813, care American Florist.

Situation Wanted—As head gardener or superintendent. Good grower of cut flowers, potted plants, indoors and out doors; vegetables and fruits. Good experience in lawn and park work; understand management of private place park, cemetery, or institution. Am 30 years of age, married, no children. Have been in the gardening and florist business for 15 years. Can furnish best references to party requiring such a man. Address. Key 799, care American Florist.

Help Wanted—Honest young lady with some experience to take care of floral establishment in Chicago. Very good chance for advancement, with good salary. Key 805, care American Florist.

Help Wanted—Sober and industrious men with greenhouse experience, at once, steady work, 25 miles from Chicago. Address. Key 819, care American Florist.

Help Wanted—Quick; an experienced grower propagator and grafter of Roses; also a grower and propagator of carnations; give references and state wages. THE MIAMI FLORAL CO., Dayton, O.

Help Wanted—Manager and rose grower for commercial place. Liberal salary to the right man. Must furnish best of references as to ability from former employers. Address Key 815, care American Florist.

Help Wanted—A thoroughly practical grower; roses a specialty. A good position and good wages for the right man. Must furnish the best references and a personal interview will be arranged before engaging. H. H. BATTLES, 108 South 12th St., Philadelphia, Pa.

Help Wanted—At once, working foreman for modern establishment, 30,000 feet of glass in a Missouri city. A competent grower of roses, carnations, mums, bulbs and pot plants, capable of handling help. Man of character, sober and progressive. Good wages to right man; no other need apply. Give reference and wages expected in first letter. Address. Key 820, care American Florist.

For Sale—10,000 feet of glass in the best town for its size in Illinois. No competition; a money maker. Address. Key 821, care American Florist.

For Sale—Well located retail store, centrally located, doing good business for over five years. This is a rare opportunity, price very reasonable; going south object of selling. Key 804, care American Florist.

For Sale or Lease—5 greenhouses at Madison, N. J., 1 mile from station. 4½ acres of land, 9-room dwelling, up-to-date, cheap, and low rent to prospective buyer. Address, R. S., 265 Rosedale Ave., Madison, N. J.

For Sale—A good paying florist business in Pennsylvania. 9 greenhouses, 27,000 feet of glass, good wholesale and retail trade, well stocked with bedding plants, roses, carnations, sweet peas, lilies, and ferns. The greenhouses are in good condition, with hot water and steam. Reason for selling am not a florist. Will sell at a bargain. Address. Key 824, care American Florist.

Wanted—To buy florist store or good location for same in live town. Bargain. Address. Key 825, care American Florist.

Wanted—To correspond with someone having experience as grower of all kinds of greenhouse and nursery stock that would take share in a good business and be able to manage the growing of the stock for a company in Minnesota. Address. Key 823, care American Florist.

Public Sale—Of floral plant known as The Morris Floral Co., will be held at the east door of the City Hall, in Morris, Ill. The real estate consists of 6 acres of ground planted in all kinds of fruit trees and berries; 3 new greenhouses 28x125 feet and 12 smaller houses all in good condition. One 12 room dwelling house with all modern conveniences. One 5-room cottage; big packing shed, cellar and barn. Ten per cent cash on day of sale and the balance when report of the sale is approved by the Court. ANNA KRAHN, Administratrix of the estate of Ivid Krahn, deceased.

FOR SALE.

A new range of greenhouses consisting of 30,000 feet of glass, well stocked with carnations and located in the vicinity of Chicago. Can be had at a very reasonable figure. For further particulars, address Key 816, care American Florist.

THE EARLY ADVERTISE- MENT GETS THERE.

Help Wanted

Experienced florist wanted. First class grower of bedding plants. Reliable young man. Address FRED ADOLF, 551 Hinman Ave., Evanston, Ill.

Help Wanted

Good section man. Must be A1 grower of roses, carnations, mums, etc. Married man of middle age preferred; must be strictly sober. State wages in first letter; call or write.

ROBERT KLAGGE, Mt. Clemens, Mich.

HELP WANTED

A competent grower of general stock. Must be good on mums, lilies and general pot plants. We want a sober, industrious man who can come at once. Give references and salary expected.

L. L. MAY & CO., 295 Como Ave., St. Paul, Minn.

HELP WANTED.

A competent working grower to work in a retail and commercial greenhouse where large quantities of carnations, chrysanthemums, lilies and various kinds of plants and bulb stock are grown for the trade. Address with references to Shepard's Garden Carnation Co., 292 Fairmount St., Lowell, Mass., stating wages and experience.

Foreman Wanted

A large commercial establishment of 60,000 square feet wishes a capable foreman to take charge of the growing of stock. Must be well up on roses, carnations, mums, lilies and pot plants such as are necessary for first class retail stores. A good opening for a man of experience and one capable of handling help intelligently. First class references expected and personal interview will be arranged. Key 822, care American Florist.

TO FLOOD AND CYCLONE SUFFERERS.

To sell, an A1 florist and market garden business, in good location, well established, no competition for four hundred miles radius. Full particulars by letter. Address. Key 826, care American Florist.

STOREMAN

Good salesman and designer is desirous of securing a situation immediately in Chicago. For further particulars, address, Key 810, care American Florist.

Gardener Wanted at Once.

We must have an experienced, reliable gardener immediately. The right man may come on practically his own terms. Prefer to lease on shares but will go more than half way to meet desires of good man. House or board will be furnished. Tract of 38 acres: richest of bottom land; coal at door for greenhouse use; street cars now; railroad coming. In midst of manufacturing and coal mining district. Best of markets, high prices, etc. Gardening business not crowded. Paved road through farm. About two miles from Monongahela, Pa., a city of from fifteen to twenty thousand. Address. MARY E. JONES, R. D. 2, Finleyville, Pa.

The Chance of a Lifetime for a Hustling Gardener.

Here is a big thing for a practical man with a little money who wants to own a business. 12 acres of cultivated land, watered by a running brook, located on 2 main roads, 10 miles from Boston, 8 minutes from electric cars, 20 minutes from steam cars. City water piped all over the place. 15,000 feet of glass in three houses; 15,000 extra carnation plants and 40,000 young plants, all of best varieties. Boiler house with cellar for 100 tons of coal. Large barn, stable room for two horses. Modern 9-room house, electric lights, hot and cold water, furnace heat. Plenty of office room in house. This property is in first-class condition and near a big market that will take all that can be grown under glass or in the open. You can receive further details by writing to

The McFarland Publicity Service
Box 675, Harrisburg, Pa.

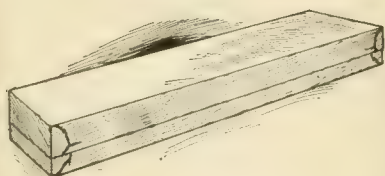
Flood and Storm Victims

- ¶ President Guy French announces that the Chicago Florists' Club, would be very glad to receive any information regarding fellow florists who have lost all they had from the recent floods and storms, and are worthy of help.
- ¶ The Club has a committee in the field investigating the needs of such cases and will arrange to help with all in their power. The reporting of the cases will lead to prompt investigation and such help as necessary being extended.
- ¶ All florists have some surplus stock, and this, with a little cash, will, no doubt, help many a man who has lost all he had to regain his feet. Address

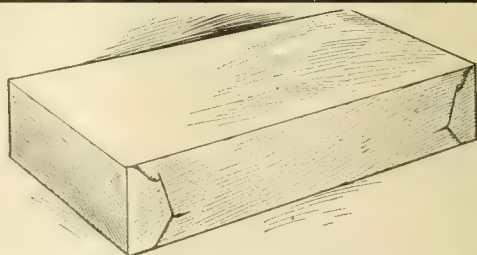
Chicago Florists' Club

EDW. C. TOEPEL, Sec'y
Morton Grove, Illinois

Mention the American Florist when writing



FOLDING FLOWER ..BOXES..



We can supply you with any size Flower Box you need. We carry the largest variety of colors. We can and do make prompt shipments at all times. Our prices are reasonable and a special discount will be allowed on quantity orders.

Palm Green, Mist Gray, Mist Brown.		White Glaze, Green Glaze, Pink Glaze.		Extra Heavy Spray and Design—Palm Green.		Extra Heavy Spray and Design—Mist Gray, Mist Brown.		Violet and Corsage Boxes.					
Per 100		Per 100		Per 100		Per 100		White and Violet Glaze. Per 100					
16x 4	x3.....\$ 1.85	16x 4	x3.....\$ 2.65	23x12x5, Telescope.	\$ 7.50	30x12x 6	Telescope. \$10.50	7x4x4.....	\$2.50				
20x 4	x3..... 2.15	20x 4	x3..... 3.00	30x12x6	" 10.00	20x12x 8	" 10.00	8x5x5.....	3.00				
18x 5	x3..... 2.15	18x 5	x3..... 3.00	20x12x8	" 10.00	16x16x 8	" 10.50	10x6x5 1/2.....	3.50				
21x 5	x3..... 2.50	21x 5	x3..... 3.50	12x12x8	" 9.00	20x20x 8	" 13.50	12x8x5 1/2.....	4.50				
24x 5	x3 1/2..... 3.00	24x 5	x3 1/2..... 3.75	16x16x8	" 10.00	24x24x 8	" 15.50	14x10x8, Telescope....	8.50				
30x 5	x3 1/2..... 3.30	30x 5	x3 1/2..... 4.50	20x20x8	" 13.00	24x24x10	" 20.00	Plain Violet.					
36x 5 1/2 x3 1/2.....	4.50	36x 5 1/2 x3 1/2.....	5.65	24x24x8	" 15.00	28x28x 8	" 19.50	7x4x4.....	1.75				
21x 7	x3 1/2..... 3.25	18x 6	x3 1/2..... 3.65	28x28x8	" 19.00	32x32x 8	" 25.00	8x5x5.....	2.25				
24x 8	x4..... 3.85	21x 7	x3 1/2..... 4.00	32x32x8	" 25.00	24x14x 8	" 13.00	10x6x5 1/2.....	2.50				
24x 8	x5..... 4.15	21x 8	x4..... 4.65	28x22x8	" 16.00	30x14x 8	" 15.00	11x8x5 1/2.....	3.50				
28x 8	x4..... 4.35	24x 8	x4..... 5.25	24x14x8	" 12.50	36x14x 8	" 16.25	Mist Gray, Mist Brown, Palm Green.					
28x 8	x5..... 5.00	24x 8	x5..... 5.75	30x14x8	" 14.50	40x14x 8	" 17.75	7x4x4.....	2.50				
36x 8	x5, Telescope. 7.00	28x 8	x4..... 6.00	36x14x8	" 16.00	42x17x 8	" 20.50	8x5x5.....	2.75				
40x 8	x5..... 9.00	28x 8	x5..... 6.50	40x14x8	" 17.50	No printing charge on lots of 300 or over of assorted sizes.			10x6x5 1/2.....	3.00			
42x 8	x5..... 11.00	36x 8	x5, Telescope. 9.00	32x17x8	" 16.00				12x8x5 1/2.....	3.50			
30x10	x5..... 7.00	40x 8	x5..... 11.00	36x17x8	" 18.50				15x6x5.....	3.50			
36x10	x5..... 9.00	42x 8	x5..... 13.25	42x17x8	" 20.00	Samples of board mailed on application.			14x10x8 Telescope....	6.00			
42x10	x5..... 13.00	36x10	x5..... 11.00										
48x10	x5..... 15.00	42x10	x5..... 15.00										
		48x10	x5..... 18.00										

A. A. Arnold, 16-18-20-22 S. PEORIA ST., **CHICAGO**
DEPT. F.

Does This Solve Your Problem?

Have your Conifers, Hardy Shrubs or Hedges the appearance of being stunted?

Have you learned what ails them?

Is it not an attack from the red spider which has done so much havoc to the Evergreens the past few seasons?

If so, you can overcome it by using **SCALINE**, which will rid your plants of this pest and will promote a healthy growth.

SCALINE is an effective material that can be used in the growing season for aphids, thrips, red spider, mealy bug, soft scale and all sap sucking insects. It can be safely applied to all hardy plants.

As a winter spray for San Jose and all hard scale it has no equal.

SCALINE is composed of a high grade of petroleum and contains the properties of the well known fungicide, Fungine, also making it an excellent preventive against various blights affecting trees and shrubs.

It is readily soluble in water, contains no sediment and can be applied through the finest spray nozzle; being more economical than the old-fashioned Kerosene Emulsion and Fish Oil Soaps and much more effective.

GALLON, \$1.50. 10 GALLON KEG, \$10.00. 50 GALLON BARREL, \$37.50

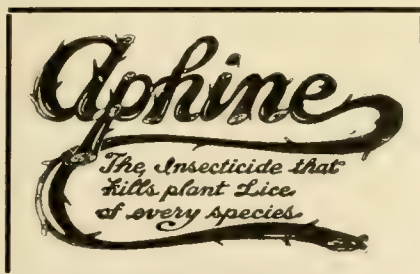
For Greenhouse and Garden Spraying Use.

FUNGINE

For Mildew, Rust,
Bench Fungi and
other blights.

Quart, 75 Cents

Gallon, \$2.00



Quart, \$1.00; Gallon, \$2.50

VERMINE

For Soil Worms,
Maggots, Root Lice,
Ants, Etc.

Quart, \$1.00

Gallon, \$3.00

FOR SALE BY ALL UP-TO-DATE DEALERS.

To the Trade.

WE ARE NOW PREPARED TO QUOTE WHOLESALE PRICES TO COMMERCIAL GROWERS ON OUR PRODUCTS IN QUANTITIES OF TWENTY-FIVE GALLONS AND OVER, IN BULK. OUR ESTABLISHED AGENTS ARE AUTHORIZED TO QUOTE THESE PRICES.

FOR FURTHER PARTICULARS ADDRESS

Aphine Manufacturing Company,

Manufacturers of Agricultural Chemicals

M. C. Ebel, Gen'l M'g'r.

MADISON, N. J.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

CUT FLOWERS

Prices advanced last Friday, April 11, when all kinds of stock became suddenly scarce and the market was cleaned up in a few hours, causing a scramble for stock and a continuous demand from out-of-town with a sharp advance in prices on all kinds of stock.

Current Price List.

All our quotations are subject to market fluctuations, changes without notice, and our confirmation.

AMERICAN BEAUTIES		Per Doz.	LADY HILLINGDON.		Per 100	CARNATIONS—		Per 100
Specials.....		\$4.00	Specials.....		\$12.00	Firsts.....		\$3.00 to \$4.00
36-inch.....		3.00	Long.....		10.00	Seconds.....		3.00
30-inch.....		2.50	Medium.....		8.00	Splits.....		1.50 to 2.00
24-inch.....		2.00	Short.....		\$4.00 to 6.00	ORCHIDS, Cattleyas...per doz., 6.00 to \$7.50		
20-inch.....		1.50	RICHMOND.		Per 100	IRIS, Spanish..... 6.00 to 8.00		
18-inch.....		1.25	Specials.....		\$10.00	JONQUILS..... 3.00		
15-inch.....		1.00	Long.....		8.00	DAFFODILS..... 3.00		
Short stem.....	Per 100,	\$4.00 to 6.00	Medium.....		6.00	LILIES..... 10 00 to 12.00		
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.		Per 100	KILLARNEY.		Per 100	TULIPS, double..... 4.00 to 5.00		
Specials.....		\$12.00	Specials.....		\$10.00	TULIPS, single..... 3.00 to 4.00		
Long.....		10.00	Long.....		8.00	VALLEY..... 2.00 to 3.00		
Medium.....		8.00	Medium.....		6.00	SWEET PEAS, fancy..... 1.00 to 1.50		
Short.....		4.00 to 6.00	Short.....		3.00 to 4.00	ADIANTUM CROWEANUM..... 1.00		
MRS. AARON WARD.			KILLARNEY QUEEN		Per 100	SMILAX..... Per doz. 2.50		
Specials.....		\$12.00	Specials.....		\$12.00	SPRENGERI..... 2.00 to 4.00		
Long.....		10.00	Long.....		10.00	PLUMOSUS SPRAYS..... 3.00 to 4.00		
Medium.....		8.00	Medium.....		8.00	PLUMOSUS STRINGS..... each .60		
Short.....		4.00 to 6.00	Short.....		4.00 to 6.00	FERNS..... per 1,000, 2.50		
MELODY, specials.....		\$12.00	WHITE KILLARNEY.		Per 100	GALAX..... per 1,000, 1.25		
Long.....		10.00	Specials.....		\$10.00	LEUCOTHOE..... per 100,		
Medium.....		8.00	Long.....		8.00	BOXWOOD, bunch, 25c; 50-lb. case,		
Short.....		4.00 to 6.00	Medium.....		6.00			
			Short.....		3.00 to 4.00			

Chicago.

TRADE BETTER.

There was a sudden change for the better in the market conditions on April 11 when stock of all kinds was in brisk demand. The local trade was very lively and the shipping trade in general was much better than it has been for a long time. Trade on Saturday continued to be good and on Sunday the market was practically cleaned up before the stores closed at noon. American Beauty roses had a very heavy call and the extra fancy stock in some cases brought as high as \$4.00 per dozen. Good American Beauty roses were very scarce and many orders were left unfilled. Killarney and White Killarney were in good supply but cleaned up well, as all the other roses did. Carnations advanced in price and were sold in many instances as high as \$4.00 per 100, although \$3.00 per 100 was the average price asked. Splits brought \$2.00 easily and cleaned up good at that. Sweet peas had a tremendous call and brought more money during the past few days than they did for the last several weeks. Richmond roses are in brisk demand and are bringing good prices. Orchids are none too plentiful at present, but Cattleya Mossiae is now coming in crop, so it is expected that the supply of them will soon be much larger. Lily of the valley is moving freely and southern bulbous stock is selling well. Snapdragons are moving fairly good as well as Spanish iris, but there seems to be plenty of lilies and callas to go around. Greens, with the exception of Mexican ivy and asparagus, are plentiful. Wild smilax is to be had in quantity and ferns are still being offered at bargain prices. The wholesalers are not experiencing so much

trouble now in their shipping trade, and business in general so far this week has been very satisfactory.

NOTES.

The invitation tendered to the trade in last week's issue by Mrs. Ida M. Latshaw, local manager of the Meredith Flower and Vegetable Co., Libertyville, to spend Thursday, May 1, as guests of this concern, seems to have met with great favor by a number of local florists who are making preparations to spend the day there. A good time is assured everyone.

Wietor Bros. have a fine lot of young rose plants on hand, especially American Beauty, Killarney, White Killarney and Sunburst, which means that the planting season at this establishment will soon begin. N. J. Wietor is undecided whether he will part company with Mrs. Jardine now or grow this rose again for another season.

Erne & Klingel are handling a portion of the Killarney and White Killarney roses grown at the Geo. Wittbold Co.'s greenhouses at Edgebrook and which won first prize at the recent spring flower show in the Art Institute. Cut spires from the same place are in brisk demand at this store.

A. Lange and wife have returned from a visit to Omaha, Neb., where they spent several days in looking over the district that was recently swept by a tornado. Mr. Lange says that the damage was very heavy and much greater than newspaper reports had it.

S. Freund, sales manager for A. A. Arnold, the well-known paper box manufacturer, is now out of town, calling on the trade. He reports a heavy demand for their high-grade folding flower boxes, which they are now manufacturing.

George Peterson, of C. Peterson & Sons, Escanaba, Mich., was in the city for a few days this week, returning from Benton Harbor, Mich., where he was a delegate to the convention of the Woodmen of the World.

W. J. Keimel is the proud possessor of a new seven passenger Hudson touring car and is already planning on making a trip to the S. A. F. convention in Minneapolis in August by auto.

James Psenicka has been delayed somewhat with his building at Gross Point by the unfavorable weather conditions of the past few weeks.

It is rumored that Rober & Radke, of Maywood, have secured a lease on a range of houses in Wilmette and will move there very shortly.

Bassett & Washburn are cutting more heavily in American Beauty roses but are disposing of their stock very quickly at good prices.

The next regular meeting of the Cook County Florists' Association will be held at the Tavern, West Washington street, on April 17.

The Geo. Wittbold Co. has just received a large importation of boxwoods and reports that a second shipment is about due.

Mrs. A. Steinman is rapidly recovering from her fall off a street car some time ago and soon expects to be back in the store.

Fred Munzing, manager of the North Edgewater Floral Co., reports a good deal of landscape work in his locality.

Frank Benthley says that Kyle & Foerster had no trouble in disposing of their sweet peas this week at fancy prices.

George Collins, Henry Smith's foreman at Grand Rapids, Mich., transacted business here on April 10.

A little florist gladdened the household of George Fischer this week.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

At The National Flower Show

Held in the Grand Central Palace at New York, April 5-12, We were Awarded the following Prizes.

First on 100 American Beauties
First on 50 American Beauties
First on 25 Richmond
First on 50 Mrs. Taft
First on 25 Mrs. Taft

Second on 50 Mrs. Aaron Ward
Second on 50 Melody
Second on 25 Mrs. Aaron Ward
Second on 100 Red or Scarlet Carnations

(NOTE:--We only made one entry in the carnation exhibits, which is indeed a very creditable showing.)

The Above Prizes

awarded to Poehlmann Bros. Co., of Chicago and Morton Grove, Ill., is in itself a great victory over all other great growers in the United States. Taking in consideration the fact that **we exhibited** at the **Chicago Flower Show**, held **April 2nd to 6th**, which called for the same amount of Beauties and Roses in each class, **receiving the first prize** at this show, must be convincing that Poehlmanns are the greatest growers in the country. Shipping Roses a thousand miles in competition against New York grown stock, by so eminent growers as we had to compete against, should leave no doubt of our often claimed statement in public print to the effect. **We are the Largest Growers of the Best Cut Flowers in the World.** Do not lose sight of one very important fact. Our facilities for shipping and knowledge of packing flowers to travel a thousand miles in such good condition as to be capable of receiving First prize, should prove that we can pack flowers satisfactorily to ship anywhere in a radius of 1000 miles. We are doing this now almost daily. We are picking carnations for regular orders, on the close side, at the greenhouses each lot marked for the order intended; this innovation gives your carnation order special attention with the best quality of stock obtainable.

Our superior quality of Valley, **"not only for shows,"** but for all occasions and every day the year around makes us **Valley Headquarters**, as we also are for fancy **American Beauties**, good short, medium and long Roses of all the leading varieties, including the new varieties.

We Are the Largest Orchid Growers in the Middle West.



The Valley We Can Supply You Every Day The Year Around.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

BEAUTIES--ROSES--CARNATIONS

CURRENT PRICE LIST:

Buy from us and get the best stock in the market at the most reasonable prices. All late orders will be filled in full.

American Beauties

Per Dozen	Per Dozen
60-in. stems.....\$1 00	24-in. stems.....\$1 75
48-in. stems..... 3 00	20-in. stems..... 1 50
36-in. stems..... 2 50	16-in. stems..... 1 00
30-in. stems..... 2 00	Short stems..... 75

Killarney

Per 100	Per 100
Extra special.....\$ 8.00	Medium.....\$ 5.00
Selects..... 7.00	Good..... 4.00
Fancy..... 6.00	Short stems..... 3.00

My Maryland

Per 100
Fancy.....\$ 8.00
Good..... 6.00
Short..... 4.00

Sunburst

Per 100
Fancy.....\$10.00
Good..... 8.00
Short..... 6.00

Roses, our selection - - - \$3.00

Carnations Extra Special Red, Enchantress, Pink and White, \$3.00 per 100.

Richmond

Per 100
Extra specials.....\$ 8.00
Selects..... 7.00
Fancy..... 6.00
Medium..... 5.00
Good..... 4.00
Short stems..... 3.00

White Killarney

Per 100
Extra specials.....\$ 8.00
Selects..... 7.00
Fancy..... 6.00
Medium..... 5.00
Good..... 4.00
Short stems..... 3.00

Carnations Good Red, Enchantress, Pink and White, \$2.00 to \$2.50 per 100.

FERNS, per 1000.....	\$2.50
SMILAX, per doz.....	\$1.50 to 2.00
ADIANTUM, per 100.....	1 00 to 1.50
GALAX, per 1000.....	1.00
SPRENGERI, per bunch.....	.50
ASPARAGUS SPRAYS, per bunch.....	.50
LILIES.....per 100, \$10.00 and 12.50	

The Poehlmann Bros. Co. is having a tremendous call for American Beauty roses as well as a good demand for all their other seasonable stock. The supply department under the able management of T. E. Waters is enjoying a good season and the plant department, which is in charge of C. G. Anderson, is very busy with shipping orders at present. This department has a surplus of some 50,000 pansy plants in assorted varieties which are now being moved at very reasonable prices.

F. O. Franzen is offering some very fine boxwood to the trade. This shipment is said by many to be fine and better than last season. Although pyramidal boxwood predominates in this shipment, there are also to be had some fine globular and bush-shaped stock.

A. L. Vaughan is again attending to his duties regularly at the store after a severe siege of rheumatism. Business at A. L. Vaughan & Co.'s store the past week was very good, according to W. E. Lynch, who had trouble in filling all the orders.

The Albert Dickinson Co. has been receiving some very complimentary testimonials from various consumers of their lawn grass, the sales of which are exceeding all previous records.

J. F. Kidwell says the Chicago Flower Growers' Association is disposing of its large supply of stock daily and that lily of the valley especially is in great demand.

Peter Pearson's philanthropic announcement in last week's paper has been received with heartfelt thanks by many of the trade who had suffered in the recent floods.

John Kruchten is receiving a regular supply of gardenias notwithstanding the fact that one of his growers'

PERCY JONES

L. M. JONES Secy.

(Inc.)

H. VAN GELDER, Pres.

YOU ARE LOSING MONEY

Every week you are not receiving our Special Price List of Cut Flowers and Supplies. Write right now and get on our mailing list TODAY.

56 E. Randolph St., Chicago

houses was partially destroyed during the recent big blow.

The Woodlawn Floral Shop, under the able management of Sullivan brothers, is enjoying a busy season in their new corner store.

The Illinois Metals Company, 2440 West Twenty-second street, reports large sales of Anti-Klog, the sprayer of many uses.

Zech & Mann are featuring fancy lupines in good supply as well as a choice grade of roses in all the leading varieties.

A. Vanderpoel is preparing to move in temporary quarters at 4013 Colo-

rado avenue during building operations.

The J. B. Deamud Co. has made a few changes in its store, all of which is a decided improvement.

H. Wittbold is figuring on several large decorations that he is very likely to receive the orders for.

The Canger & Bergman store in the Fine Arts building has been closed for several days.

J. A. Budlong has leased the entire second floor of the building he now occupies.

G. Raasch of Kankakee transacted business here on February 12.

A Tremendous Cut of Fine Richmond

In All Lengths at \$4.00, \$6.00, \$8.00, \$10 00 per 100.

Current Price List

AMERICAN BEAUTIES—		Per doz.
48-inch stems		\$4.00
48-inch stems		3.50
36-inch stems		3.00
30-inch stems		2.50
24-inch stems		2.00
20-inch stems		1.50
18-inch stems		1.25
12-inch stems		.75 to 1.00
Short		.50
Richmond		Per 100.
Killarney	Select	\$6.00 to 8.00
White Killarney	Medium	4.00 to 6.00
My Maryland	Extra select	10.00
Wards		

Sunrise	\$4.00 to \$8.00
Roses, our selection	3.00
Carnations	2.00
“ Fancy	3.00
“ Splits	1.00
Harrisii	10.00 to 12.50
Valley	3.00 to 4.00
Sweet peas	.75 to 1.50
Tulips	3.00 to 4.00
Adiantum	1.00
Asparagus, per bunch	.50
Ferns, per 1,000	2.50

2,000,000 Feet of Modern Glass

PETER REINBERG

30 E. Randolph St.,

L. D. PHONE
CENTRAL 2846

Chicago

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association



L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

-ROSES-

BIG SUPPLY OF CHOICE STOCK.

ALSO A FANCY GRADE OF

Carnations,

Valley, Jonquils, Tulips,
Sweet Peas, Lilies and
all other seasonable
Flowers and Greens.

Current Price List. Subject to change without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$2.00	1.50
Killarney.....per 100	8.00	6.00	5.00	4.00	3.00
White Killarney.....	8.00	6.00	5.00	4.00	3.00
My Maryland.....	8.00	6.00	5.00	4.00	3.00
Richmonds.....	8.00	6.00	5.00	4.00	3.00
Mrs. Aaron Ward.....	8.00	6.00	5.00		
Sunburst.....	8.00	6.00	5.00		
Carnations.....	4.00	3.00	2.00	1.50	
Callas.....	12.50	10.00			
Lily of the Valley.....	4.00	3.00			
Violets, Extra fine single.....	1.50	1.00			
Double.....	1.00	.75			
Sweet Peas.....	1.50	1.00	.75		
Jonquils.....	4.00	3.00			
Tulips.....	4.00	3.00	2.00		
Easter Lilies.....	12.50	10.00			
Daisies.....	1.50	1.00			
Asparagus Plumosus Sprays..	4.00	3.00	2.00		
Asparagus Sprengerl Sprays..	3.00	2.00			
Mexican Ivy.....	.60				
Smilax.....	16.00	12.50			
Galax, Green and Bronze.....per 1000	1.00				
Ferns.....	2.00				
Boxwood.....bunch	.25				
Adiantum.....per 100	1.00	.75			

We are Growers BEAUTIES

We are cutting the choicest buds with extra long stems in immense quantities. Prices, choicest long, \$3.00 per dozen; long seconds, \$3.50 per dozen. You can build a big trade on these.

ROSES, in lots of 500 or more at \$3.00 per 100.

CARNATIONS, Pink and White, in lots of 500 or more at \$20.00 per 1000.

All flowers at remarkably cheap prices.

We grow all the flowers we sell and guarantee their safe arrival in a perfect condition.

BUY DIRECT OF THE GROWER.

BASSETT & WASHBURN

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.

LONG DISTANCE PHONE, CENTRAL 1457.

Guy French, president of the Chicago Florists' Club, is busy making arrangements to give assistance to the flood and storm victims who are in actual need of help. The club would be glad to receive any information regarding fellow florists who have lost all they had from the recent floods and storms, and are worthy of assistance. A committee is in the field investigating the needs of such cases and will arrange to help with all in their power. The reporting of such cases will lead to prompt investigation and such help as necessary will be extended. All florists have some surplus stock, and this, with a little cash, will no doubt assist many a one who has lost all he had to regain his feet. Anyone in the trade who is interested in the matter would do well to get in touch with the committee, and can do so through the secretary of the club, Edw. C. Toepel, Morton Grove, Ill.

Phil Schupp, with J. A. Budlong, has received a letter from Mrs. Matthews at Dayton, O., which contains the welcome news that Mr. Matthews is recovering from an attack of pneumonia and that he will open one of his stores as soon as he is able to do so. Mr. Schupp generously offers to make a shipment of stock to Mr. Matthews free one day each week for a few months until he is better situated, and is also willing to supply a few other florists who have suffered from the floods and storms and are in actual need of assistance. This is certainly a credit to the Budlong establishment, so if any of the flood victims would like to partake of this generous offer they would do well to communicate with this firm immediately.

Peter Olsem has returned from the National Flower Show, which was held

in New York last week and is again attending to his duties as superintendent at the Chicago Carnation Co.'s greenhouses in Joliet, relieving A. T. Pyfer of the responsibility. Mr. Pyfer is again in charge at the store.

Randall H. Read, for the past 25 years in the employ of Vaughan's Seed Store, most of the time as chief of the shipping department, has the sympathy of a wide circle of friends in the loss of his wife, who died April 11.

S. Cohen, proprietor of the Jackson Floral Shop, 1217 East Sixty-third street, is taking legal action against the real estate agents who leased the store he now occupies to another concern over his head.

F. A. Parkmire of the North Shore Greenhouses reports that since the opening of his new establishment last month he has completed another greenhouse which will be used in growing bedding stock.

The Rogers Park Cut Flower Co., which recently opened their establishment in Rogers Park, contemplates moving to Lake View about May 1, but as yet no definite location has been decided upon.

H. E. Philpott has returned from abroad and will spend a few days here before returning to his home in Winnipeg, Man. He attended the Third National Flower Show while he was in New York.

George Kinkley, better known as "Buffalo Bill," Adam Zenda's expert rose grower, reports that their crop of roses this season has exceeded all former crops both as to quality and quantity.

John Steinmetz, local representative of Ralph M. Ward & Co., reports a

U S Budlong's E Blue Ribbon Valley.

heavy demand for this concern's lily bulbs.

J. Oliver Johnson, 1874 Milwaukee avenue, reports a heavy demand for his high-grade lawn seed. Mr. Johnson does only a wholesale business, which is increasing each year.

Tim Matchen says that Peter Reinberg is having a good call for Richmond roses, of which he now has a good supply, and that all his other stock is cleaning up well.

Chas. W. McKellar says that his sister writes from Chillicothe, O., that the Elsass greenhouses suffered damages to the extent of \$10,000 during the recent floods.

Percy Jones had a big run on both cut flowers and supplies all week and he was fortunate in having a good supply of fancy sweet peas to supply his trade.

H. Munson is kept busy taking care of the wants of the local trade with flues, piping, gutter posts, etc.

Visitors: W. D. Desmond, C. H. Carlson, Theo. Wirth, Minneapolis, Minn.; O. J. Olson, St. Paul, Minn.; J. J. Hess, Omaha, Neb.; all returning from the National Flower Show much pleased with their trip; George Collins, Grand Rapids; George Peterson, Escanaba, Mich.; John Forrer, La Crosse, Wis.

LARGE SUPPLY PRIZE WINNING KILLARNEYS

WHITE AND PINK.

We are handling a large portion of the Geo. Wittbold Co.'s output of Killarney and White Killarney roses, which are of extra fine quality. These roses won first prize at the recent Chicago Spring Show, and are only a few of the many good things that we are offering. We have a complete line of all seasonable cut flowers and greens and are at all times prepared to handle all orders. Investigate. Send us a trial order today. **NOW.**

ERNE & KLINGEL, 30 East Randolph Street,
L. D. Phone Randolph 6578
Wholesale Florists **CHICAGO, ILL.**

Chicago Florists' Club.

The regular meeting of The Chicago Florists' Club was held at the Union Restaurant, April 10, President French in the chair. One important feature of this meeting was the selection of the route to the convention of the Society of American Florists, which will be held at Minneapolis, Minn., next August, the Chicago Great Western being finally chosen as the official road.

The principal feature of the meeting, however, was the excellent talk on fertilizers by Prof. F. W. Muncie of the State Agricultural College, Urbana. The professor told of the principal constituents of common fertilizers, and how they are utilized by plants, in plain language that everyone interested could understand. This was one of the most practical discourses given before the club for a long time and it is hoped that the professor will find an early opportunity to be with the members in a more extended journey over the same field.

E. O. Orpet spoke in terms of the highest praise regarding the new canas Firebird and Carl Lutz exhibited by Vaughan's Seed Store, stating that they are the finest productions in that line that have come under his observation and moved to the exhibitors a vote of thanks which was generously extended, most of those present sharing Mr. Orpet's views as to the superiority of these exhibits.

Three new members were elected. Howard Wilter, Morton Grove, Herbert Scharenberg, Morton Grove, and W. H. Hilton, 1461 E. Fifty-first street.

Chicago Bowling

C. C. F. LEAGUE.

Team Standings.

	Won.	Lost.		Won.	Lost.
Roses	40	32	Carnations	34	38
Orchids	37	35	Violets	33	39

Individual and team scores for games played April 9:

	Roses.		Carnations.
Goerlich	116 157 148	Lorman	181 123 131
Koehler	185 199 137	Liebmann	180 159 138
Eyers	181 198 151	Armstrong	132 131 134
Price	175 175 176	Ayers	140 191 183
Fischer	159 169 187	A. Zech	175 189 178

Totals .816 898 799

	Violets.		Orchids.
Cole	152 135 146	Krauss	201 191 177
Huebner	140 124 150	Graft	181 161 219
Wolf	194 174 161	Brostrom	185 154 169
J. Huebner	176 160 170	Econpolis	178 136 120
Foerster	147 174 200	J. Zech	179 178 148

Totals .809 771 827

Totals .924 820 823



Write for
Illustrated
Catalogue

Paasche "3-in-1" Air Brush

For applying paints, bronzes, enamels and liquids of all descriptions this brush has no equal.

Indispensable for Coloring Baskets

Tinting, Shading of flowers and foliage, Painting and Decorating Floral Supplies. The brush is instantly adjustable to furnish from a line to any spray or effect wanted.

Paasche Air Brush Co., 3A, 9 S. Clinton St., Chicago

Mention the American Florist when writing

St. Louis.

MARKET DEMORALIZED.

The weather is warming up and is more springlike. All week was cold and raining and the market was in a demoralized condition. Carnations here sold in lots as low as \$3 a thousand and good stock at that; but Monday morning the market showed a more normal condition. Violets are about gone. Sweet peas have shortened up considerably and the better grades are now bringing fancy prices. The bad weather has greatly hampered the plant men.

NOTES.

The St. Louis Florists' Club met with 30 members present, E. W. Gay in the chair. The trustees decided to abandon the boat excursion and give a picnic as usual. The club decided to postpone their meeting.

Henry Duernberg is introducing the new pearl drop shower bride's bouquet at Grimm & Gorly's. It consists of pearls instead of old-fashioned bows, using from 75 to 100 on each bouquet.

The greenhouses at Shaw's Garden supplied the decorations at the city hall at the inauguration of the new mayor last week.

Ostertag Bros. have an immense supply of shrubs and California privet which they are disposing of in large quantities.

H. G. Gross of Kirkwood and J. Hauser of Webster Grove entertained Ant. C. Zvolanek recently.

C. A. Kuehne returned Monday from Detroit, Mich., where his mother's funeral was held.

Bassett & Wasburn are shipping some good American Beauty roses to this market.

H. G. Berning reports his wife as very low. He is now on the Pacific Coast.

Joe Hauser of Webster Grove is all smiles. It is a bouncing baby girl.

David Geddes has returned from the flower show. W. F.

Baltimore.

TRADE GOOD.

The incessant rain for the last two days has not affected the flower business to any extent. The sales at the Florists' Exchange have been good. The trade at Easter, according to some of the florists, was the best they had ever had.

NOTES.

The flower market, under the auspices of the home garden committee of the Civic League, promises to be more beautiful than last season. It is held May 7 around the Washington monument. There will be booths containing flowering plants and garden tools, a Japanese exhibit, a fern grotto and a booth of pottery and novelties. The children also have booths and they are always attractive and well patronized.

Judge Wm. B. Sands, publisher of the American Farmer, died suddenly of apoplexy at his home at Hollins, Md., Tuesday, April 8. An obituary notice will be found elsewhere in this paper.

W. S. Manning, general superintendent of parks, says that 75,000 pansies and 300,000 tulip bulbs have been planted in the public squares and they are looking very beautiful just now.

The Baltimore florists who visited the New York show speak of it in glowing terms. They call it the finest show yet. B.

WE HAVE THE FINEST ROSES OBTAINABLE

at prices that are right, so send your orders direct to us. In addition to a fancy grade of **American Beauty** and all the leading roses we can supply you with all other seasonable flowers and greens and would greatly appreciate an opportunity to do so.

A. L. VAUGHAN & CO.
161 N. Wabash Ave., (NOT INC.) L. D. Phone: CHICAGO
Central 2761

Fort Wayne, Ind.

THE FLOOD DAMAGES.

Four of the local florists were affected by the flood. Clarence Commicavish's place on Spy Run avenue was under water for several days, the plants all being submerged. The soft wooded stock is all gone and everything injured more or less. Markey Bros.' establishment on Hale avenue suffered no particular damage to houses or stock. The water came up to the benches, but they were able to keep the temperature up by means of oil and heating stoves. At the Flick Floral Co.'s greenhouses the boilers were out of service for several days and the water came up into the lower houses. They lost quite a great deal of stock. The garage with their electric automobile and large touring car was under water and the machines badly damaged.

At W. J. & M. S. Vesey's the flood did a great deal of damage. The plants were all under water from Tuesday until Saturday. They were not able to get any heat into the houses until Sunday night. The orchids had been removed to the cellar of the residence and packing house by boat and were being kept warm with oil stoves. The stoves became overheated during the night and the barn, garage, packing house and office were completely destroyed by fire with all the supplies, two machines and live stock. The residence caught from the barn and all the rear of the house was burned and the rest damaged by smoke and water. The loss to the stock in the greenhouses is not as great as was thought at first. While a great deal is completely lost, the rose stock will come through better than was expected, but with the loss of a crop or two. Some of the young stock will also come through all right, from present indications, but a great deal is having to be thrown out from day to day and it is impossible to tell the extent of the damage.

V.

Cincinnati.

SHIPMENTS START AGAIN.

Business is opening up splendidly. The number of shipments is very near that of normal conditions. This was brought about when the Pennsylvania railroad managed to open their line west and northwest. This brought in the Indiana and Michigan stock that the market had been receiving up to the time of the floods. With the increase in the number of shipments there has, however, been a decrease in the size of them. Most of the growers seem to be somewhat off crop. This, coupled with the increased de-

O. R. ECKHARDT CO.

Wholesalers of Cut Flowers and Florists' Supplies

St. Paul, Minn.

Mention the American Florist when writing

mand, has kept the market in a good, firm condition. Shipping, too, is again growing more brisk. Roses are cleaning up very nicely. The supply includes all the varieties from Killarney to American Beauty that the market has received regularly. The call at the time of this writing easily takes up receipts. Carnations are in not so large a supply relatively speaking as they were a fortnight ago. The demand is strongest for the white and lighter colors. All colors are selling, however. The supply of both giganteum and calla lilies is large, but both of them are moving very slowly. The sweet pea cut has shortened very considerably and they are in demand. Lily of the valley sells very well. The present supply hardly proves adequate. Marguerites clean up nicely. The same is true of snapdragons. Some very fine stock is coming in.

NOTES.

The Florists' Society held its regular meeting at the club rooms recently. A committee consisting of Henry Schwartz, Wm. Schumann and Wm. Speck was appointed by President Gus Adrian to arrange for the handling of flowers and plants for those florists in this vicinity who lost nearly all in the flood.

The marriage of Miss Margaret Ruttle, daughter of R. D. Ruttle, and Dr. John Maloney will take place Wednesday morning.

C. E. Critchell has been getting in some very fine snapdragons from Robert Buck & Co., Washington C. H.

The stork left a baby boy at the home of Geo. E. Fern and wife last week.

R. Witterstaetter has been on the sick list for several days.

Visitors: W. E. Hamilton, Greenburg, Ind.; R. Newcomb, representing Vaughan's seed store, Chicago. H.

Chicago-Milwaukee Bowling.

The Cook County Florists' Association bowling league played a return game with the Milwaukee bowlers at Bensinger's West Randolph street alleys, Chicago, on Sunday, April 13. After the bowling was over the Mil-

Kennicott Bros. Co.

Wholesale Cut Flowers

BOXWOOD—Extra Fine,
\$7.50 per case.

163-165 N. Wabash Av.
CHICAGO

L. D. Phone Central 466

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waukee boys were entertained at the Perfecto, where it is needless to add that everyone enjoyed themselves immensely. The following scores were made:

FIRST TEAMS.

Milwaukee.	Chicago.
Rusch 173 122 135	Graff 137 187 157
Chas. 120 167 105	Wolf 167 179 152
Zuillfel 116 145 119	Price 173 173 142
Kellner 144 181 138	Eco'polus .130 141 127
Pohl 130 117 135	J. Zech 145 175 169

Totals ..683 732 632 Totals ..752 855 747

SECOND TEAMS.

Chicago.	Milwaukee.
Goerisch 142 199 143	Leldiger 173 127 156
Krauss 130 141 153	Schultz 118 126 130
Cole 144 135 190	Welch 115 143 123
Ayres 169 165 179	Halliday 111 146 126
Byers 167 152 206	Hare 152 123 180

Totals ..752 792 871 Totals ..669 665 815

THIRD TEAMS.

Milwaukee.	Chicago.
L. Manos .123 135 109	Lorman 113 114 76
O'treicher 144 97 100	Jacobs 139 152 107
Schummels 131 122 119	Schultz 179 130 144
Bettman .. 60 97 78	A. Zech 160 141 137

Totals ..428 451 406 Totals ..591 537 484

"The Busiest House in Chicago."

CUT FLOWERS

We are now receiving a large quantity of exceptionally fine cut flowers and can make you some very reasonable offers on large lots. We have everything seasonable but are particularly strong on ROSES, CARNATIONS, SWEET PEAS, DAISIES, JONQUILS, LILIES AND CALLAS.

QUANTITY

QUALITY

ORDER TODAY.

J. B. DEAMUD CO.

Phones | Central 3155. 160 N. Wabash Av., CHICAGO
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Mention the American Florist when writing

Lancaster County Florists' Club.

●A car of florists left Lancaster, Pa., for the greenhouse establishment of W. B. Girvin of Leola on a fraternal visit March 4, at 4:30 p. m., and after an inspection of this modern place and a little time to recover from the shock of seeing so many chrysanthemum cuttings at one plant, returned to the city for the evening meeting of the club at 8 p. m.

Considering the fact that Easter was just over, the attendance was good, and after hearing and discussing a paper by Ira Landis of Paradise on soils, Frank Kohr of Dillerville told us in a well-written paper how the club had benefited him and how it could be made of further benefit to us. Co-operative buying was discussed at some length and a free discussion was urged on all subjects.

The president urged every member of the club to attend the National Flower Show, a one-day trip being possible from this city at an expense of \$15. About twenty expressed their intention of going.

At our next meeting, April 17, we expect to have S. S. Pennock of the Pennock-Meehan Co., Philadelphia, tell us of some of the faults of the consignors in dealing with the commission houses, this being a phase of the subject not often enough dwelt on.

ALBERT M. HERR.

Milwaukee.

ROSES AND CARNATIONS HIGH.

The market for the past week has been brisk. There was plenty of all kinds of stock during the first part of the week, but towards the latter part all stock shortened up, bringing the prices higher. Carnations are at top notch and are bringing good prices, as are all kinds of roses. American Beauty roses are again in the market and are of a fine flower and color. There are plenty of Harrisii lilies, but a shortage of lily of the valley. There is plenty of mignonette. Sweet peas are arriving in quantities and sell readily. Enough greens to fill all orders.

NOTES.

The return game between Chicago and Milwaukee bowlers took place at

Chicago last Sunday with the Milwaukee boys returning home the losers, but everyone reporting an exceptionally fine time.

Gust Rusch & Co. report business very satisfactory for the past week. This firm is receiving some very fine mignonette and luppins.

The Baumgarten Floral Co. will vacate its present quarters and will soon occupy the new quarters in the Stephenson building.

The Holton & Hunkel Co. reports business very satisfactory but a shortage on roses.

The C. C. Pollworth Co. had a busy week with enough stock to fill all orders.

G. R.

PULLMAN EQUIPMENT

Pullman Equipment is essentially similar on all main lines of travel, but one finds the newest little refinements of service upon those lines which match it with their up-to-date Chair Car and Coach Equipment. Pullman builds the best cars, and the Chicago Great Western runs the best cars Pullman builds.

THE GREAT WESTERN LIMITED

the spotless steel train of solid Pullman Equipment leaves Chicago Grand Central Depot at 6:30 p. m., arrives St. Paul 7:30 a. m., Minneapolis 8:05 a. m. After theatre train leaves Chicago 11:00 p. m., arrives St. Paul 1:35 p. m., Minneapolis 2:10 p. m.

Chicago Great Western

A. L. Craig, G. P. A.
1139 People's Gas Building,
Chicago.

Mention the American Florist when writing

U S Budlong's E Blue Ribbon Valley.

BOWLING SCORES.

Gust Rusch	173	144	165
Otto Eggerecht	153	141	179
H. Schmilles	168	133	112
A. Hare	124	111	136
Wm. Schmitz	125	156	107
G. Keltner	150	100	130
G. Pohl	125	134	155
W. Halliday	142	169	118
H. Heine	127	137	120

RED AND BROWN Magnolia Leaves

75c Per Hamper

Choice stock. Guaranteed satisfactory. Standard size Hampers.

This SPECIAL OFFER is GOOD for a SHORT TIME ONLY

Order Your Supply Now==TO-DAY

H. WITTBOLD

56 East Randolph Street, CHICAGO, ILL.

Oklahoma City.

EASTER BUSINESS DECREASES.

Those in the trade here are free to admit that the volume of Easter business was fully 25 per cent lower than last year, the decrease in demand being felt in both cut flowers and plants. The weather was no doubt responsible for a serious diminution in the Sunday morning trade, for, unusual for this locality, we had a very blustery and somewhat rainy day, and Easter flowers, Easter hats, and Easter dresses among the church-goers, were all conspicuous by their absence. We blame the winter chiefly for our Easter trade being smaller than is usual. Among flowering plants offered there was certainly a wide variety, though some were of only mediocre quality. Poorly grown schizanthus and begonias will spoil the appearance of any collection of flowering plants, however perfect the rest of the stock in the collection may be. Among the plants were many well grown American Beauty roses, lilies, spireas, hydrangeas, and pans of hyacinths, tulips, narcissi and lily of the valley. A few cyclamens and a yellow oxalis were also offered. Little was attempted in made-up baskets of plants as there is not much demand for anything in the plant line if the cost exceeds three dollars. In cut flowers the roses and carnations offered were of ideal quality. The latter sold at \$1.00 a dozen and were really too cheap to be very profitable. The most popular grades of roses were those salable at \$3.00 a dozen for Killarney and American Beauty at \$6.00. There were a few calls, however, for the \$9.00 and \$12.00 grades of this variety. There were plenty of good sweet peas but for some reason or other these were not popular, and failed to clean out. The same may be said of yellow narcissus and lily of the valley. California violets at \$1.00 a 100 sold fairly well. When the stores closed Sunday afternoon there still remained in hand a fairly good supply of plants and cut flowers.

NOTES.

There was a fairly good demand for flowers from the churches. Just why a 25 per cent discount should be allowed to places of worship for flowers seems strange to us. Neither churches nor undertakers have a right, nor should they be given the privilege of purchasing flowers at a discount.

When the managers of a church require a high salaried minister, or a new organ, or a better organist, they go after them and pay the price, and there is no reason why, when they want a few flowers, they should ask the florist for a 25 per cent discount. Somebody please start something that will put a stop to all discounts to people outside of the trade.

Like many other cities, the help problem for holiday rushes is ever with us. Outside assistance is absolutely necessary to take care of the rush and an incompetent clerk in a florist's store is always the source of mistakes followed by complaints from customers.

S. S. B.

Rochester N. Y.

WEEK CLOSURES WELL.

Business for the first half of the week was somewhat dull, but the latter part showed a decided increase. Good fresh stock arrives each day and plenty of it. Carnations are fairly good. Sweet peas are full of fragrance and are quickly disposed of. Roses, snapdragons, lily of the valley, stock, etc., are exceptionally fine.

NOTES.

Geo. T. Boucher says business for the past month has been the "best ever." Apart from the store trade he has had large decorations as well. Mr. Boucher will erect two good sized houses in West Brighton in the near future.

Henry P. Neun recently decorated at a large church wedding. For the altar palms, lavender rhododendrons, daffodils and lavender lilacs were used. Business with Mr. Neun is very good. Cecil Lester is now in his employ.

The Rochester Floral Co. is to be congratulated on the remodeling of their new store at 255 East Main street. This store is larger and better equipped for the large amount of business this firm carries on.

Hiram E. Wilson, who has been in Florida during the winter, has recently left on a visit to Panama. He is expected home in a few weeks.

A good number of florists with their wives represented Rochester at the National Flower Show in New York.

Thomas Cogger, representing N. F. McCarthy & Co. of Boston, was in town Saturday.

H. J. H.

Magnolia Leaves

Cycas Leaves
AMERICAN OAK SPRAYS
Ruscus

Write for samples.

OSCAR LEISTNER, 17 North Franklin Street
CHICAGO

Selling Agents for OVE GNATT Hammond, Ind.

U S Budlong's E Blue Ribbon Valley.

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,

713-717 Milwaukee Ave., CHICAGO

Buffalo.

BUSINESS VERY QUIET.

The last week has been very quiet. Florists like all others are suffering from the streetcar strike. All that kept trade going was funeral work. Stock is plentiful, bulbous stock in particular. Roses also are in over supply and of good quality. A few more warm days and the inquiries will be for veranda boxes, cemetery vases and lawn work, which will forcibly impress on the greenhouse men that their busy time is on and will be until July 1.

The Buffalo delegation has returned from the National Flower Show well pleased with their trip. S. A. Anderson was one of the prize winners, which is a good advertisement for Buffalo, as was the prize given J. J. Albright for the best 25 cyclamen plants in the private exhibit, Charles Sandiford, gardener.

W. J. Palmer has been in rather poor health and consequently did not go to New York for the show.

W. F. Kasting has been at Hot Springs, Ark. He returned for the show.

Recent visitors: Harry Delmuth, Toronto, Ont.; Michael Bloy, Detroit, Mich.; P. Breitmeyer, Jr., Detroit, Mich.

BISON.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 7720.

CHICAGO

Everything in Cut Flowers and Supplies.

Send Your Orders for Seasonable Flowers to

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids, Violets and Other Seasonable Stock.

Long Distance Phone
Central 3598.

We have a big supply of
Mexican Ivy
and a surplus of choice
MAGNOLIA LEAVES.

H. WITTBOLD

56 Randolph St., CHICAGO
Phone Randolph 4708

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

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Wholesale Florists

Room 218, 162 N. Wabash Av., Chicago
Telephone, Central 3284.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS

Our Specialties.

HOERBER BROS.

Wholesale Growers of **Cut Flowers**

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., CHICAGO

U S Budlong's
E Blue Ribbon Valley.

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers
at Lowest Market Prices.

30 E. Randolph St., CHICAGO

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, April 16.	Per doz.
Roses, Beauty, specials.....	\$4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 28-in.....	2 00
" " 15-20-in.....	1 25@ 1 50
" " 12-in.....	75
" " Short.....	Per 100
" Killarney.....	\$6 00@10 00
" White Killarney.....	4 00@10 00
" Richmond.....	4 00@10 00
" Prince de Bulgarie.....	4 00@12 00
" Radiance.....	4 00@12 00
" My Maryland.....	4 00@10 00
" Melody.....	4 00@12 00
" Mrs. Jardine.....	4 00@10 00
" Lady Hillingdon.....	4 00@12 00
" Sunburst.....	4 00@12 00
Carnations.....	1 00@ 4 00
Daffodils.....	3 00
Cattleyas.....per doz.,	6 00@ 7 50
Gardenias.....	2 00@ 4 00
Lilium Harrisii.....	10 00@12 50
Valley.....	3 00@ 4 00
Sweet Peas.....	1 00@ 1 50
Adiantum Croweanum.....	1 00
Boxwood.....per lb.,	25
Ferns.....per 1000,	2 00@2 50
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy.....per 1000,	5 00@6 00
Plumous Strings.....each,	50@ 60
Smilax.....per doz.,	2 00@2 50
Sprengerii, Plumous Sprays.....	3 00@ 4 00

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond, Killarney and White Killarney roses. All orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

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Wietor Bros.

Wholesale Growers of **CUT FLOWERS**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

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Chicago Carnation Co.

Wholesale Florists,

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

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JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

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CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

Green Sheet Moss

For lining hanging baskets, for decorating
show windows, for covering soil on pot
plants, etc. 1 Bale (5 bundles).....\$1.25
5 bales (25 bundles)..... 6.00

GEO. H. ANGERMUELLER,
Wholesale Florist. ST. LOUIS, MO.

Mention the American Florist when writing

Philadelphia.

DEMAND IS FAIR.

The business is about as usual for the season, there being a fair demand. Stock in all lines is plentiful. Roses are offered in excess. Carnations, while selling fairly well, are low-priced. Sweet peas are an exception, being off crop and selling out clean every day. Snapdragon is in full supply, but sells well, being good value for the money. There is an abundance of calla and Easter lilies, with prices low. American Beauty roses in quantity lots are offered at bargain prices. All growers of this rose are now cutting large quantities and they are now almost as difficult to handle as they were to obtain two months ago. Emperor daffodils have been good stock, for while the returns have not been large there has been little waste, the stock selling up very well. There has been a good business in the early spring plants for window boxes. Pansies and English daisies move off lively. Some boxes are seen planted with geraniums and marguerites, but the recent cool weather has halted this demand.

NOTES.

The feature of the week has been the great New York show. To give a list of the florists of this city who visited the exhibition would be to enumerate all the live ones. It really seemed as if almost everyone who could possibly get away made the trip. All reports were of a glowing character. That it was the greatest exhibition ever held in this country appeared to be the universal opinion. There were quite a number of exhibitors in the plant and cut flower classes, but none of the retail men plucked up courage enough to try their skill against the other artists of the country. Batchelor, Dodds and Robertson, the plantsmen of the Newbold-Wanamaker and Pepper estates, were winners with nearly all their entries. Batchelor scored ten firsts, Dodds fifteen firsts, six seconds and other prizes including a special prize of \$200 for the best new foliage plant. Robertson's record was eleven firsts and a bronze medal.

The Joseph Heacock Co., John Welsh Young, J. Stephenson's Sons, Edward Towill, R. Scott & Son, Myers & Samtman, H. J. Andre, all received one or

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, April 16.		Per 100
Roses, Beauty, extra.....	50 00@60 00	
" first.....	20 00@35 00	
" Brides and Maids.....	4 00@12 00	
" Killarney.....	4 00@15 00	
" White Killarney.....	4 00@15 00	
" Liberty.....	6 00@15 00	
Carnations.....	3 00@5 00	
Cattleyas.....	35 00@50 00	
Daffodils.....	2 50@3 00	
Freesias.....	3 00@6 00	
Gardenias..... per doz., 1 00@2 00		
Lilium Harrisii.....	8 00@12 00	
Lily of the Valley.....	3 00@5 00	
Calla Lilies.....	10 00@12 00	
Marguerites.....	1 50@3 00	
Snapdragons.....	10 00@20 00	
Sweet Peas.....	75@1 50	
Violets, single.....	75@1 00	
" double.....	75@1 00	
Asparagus..... per bunch, 50		
Tulips.....	2 00@4 00	

PITTSBURG, April 16.		Per 100
Roses, Beauty, special.....	50 00	
" extra.....	30 00	
" No. 1.....	15 00	
" Killarney.....	3 00@10 00	
" My Maryland.....	3 00@10 00	
" Richmond.....	3 00@10 00	
Carnations.....	3 00	
Calla Lilies.....	12 00	
Freesias.....	3 00	
Gardenias.....	3 00	
Daisies.....	2 00	
Cattleyas.....	50 00	
Violets.....	50@75	
Sweet Peas.....	75@1 00	
Lilium Longiflorum.....	12 00	
Lilium Rubrum.....	8 00	
Lily of the Valley.....	4 00	
Daffodils.....	3 00	
Tulips.....	3 00	
Paper White.....	3 00	
Romans.....	2 00	
Poeticus Narcissus.....	1 00	
Oncidium.....	4 00	
Lilac..... per bunch, \$1 00		
Asparagus Sprengeri, per bunch, 35@40		
Sprengeri, per bunch, 35@40		

MILWAUKEE, April 16.		Per 100
Roses, Beauty, per doz., 2 00@5 00		
" White and Pink Killarney, 3 00@8 00		
" Richmond.....	3 00@8 00	
Carnations.....	1 50@3 00	
Callas..... per doz., 8 00@10 00		
Easter Lilies.....	6 00@10 00	
Lily of the Valley.....	3 00	
Sweet Peas.....	50@1 00	
Tulips.....	2 00@3 00	
Trumpet.....	2 00@3 00	
Violets, Wisconsin grown.....	50@75	
Asparagus..... per string, 50		
Sprengeri, per bunch, 35		
Ferns, fancy..... per 1000, \$2 50		

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

Easter Lilies, Tulips, Daffodils, Violets,
all the popular roses. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist.

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

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WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.

Supplies and Everything in Season always on hand

BEAUTIES, The Best. \$20.00 per 100.

(For quality our supply of Beauties will find no equal.
Every one a good flower, carefully selected stock.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

Edward Reid

WHOLESALE FLORIST,
1619-21 RANSTEAD ST., PHILADELPHIA, PA.
Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

more prizes in the rose classes. E. A. Stroud won a carnation prize. The R. Craig Co. won prizes for crotons, and the H. F. Michell Co. a silver medal for their new geranium, a pretty good record.

There are rumors of a show in this city in 1916. The large convention hall would be the place and the show could be made a record breaker in everything except possibly the attendance. K.

Cleveland.

STOCK SHORTENS UP.

Flood damages to railroads have about all been repaired and express orders come and go regularly from this point. Stock of all kinds has shortened up considerably; in fact, on Saturday carnations and medium and long stem roses were not to be had on the local market. Sweet peas, too, owing to the dark cold days, were very scarce. Funeral work has kept most of the retailers busy all week, and with a few decorative jobs cleaned up nearly everything in sight. Easter lilies are not quite so plentiful and have been in good demand. Violets have met with a good call, and stock is uniformly good for this time of the year. Greens of all kinds seem plentiful. Lily of the valley is received in greater abundance and the demand is good. A little bulbous stock, such as Poeticus narcissus, single and double daffodils and single and double tulips still arrive, but clean up quickly at fair prices. Pansies are moving fairly well. Columbine, snapdragon, mignonette, daisies, forget-me-nots, lilac, calandula, etc., clean up daily.

NOTES.

Carl Hagenberger has sold out his store at Euclid avenue and East 105th street to a man named McDonald, who formerly worked at the Rosery.

Frank Friedly spent part of last week at the J. M. Gasser Co.'s wholesale store, while — Darnell took in the New York show.

C. F. B.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, April 16.		
Roses, Beauty, special.....	per doz.,	\$4 00
" " fancy.....	" "	3 00
" " extra.....	" "	2 00
" " No. 1.....	" "	1 00
" " No. 2.....	" "	50@ 75
Per 100		
" Maid and Bride.....	3 00@	6 00
" Pink Killarney.....	3 00@	10 00
" White Killarney.....	3 00@	10 00
" Richmond.....	5 00@	10 00
" My Maryland.....	3 00@	8 00
" Aaron Ward.....	4 00@	6 00
" Kaiserin.....	4 00@	8 00
" Carnot.....	4 00@	8 00
Carnations.....	1 00@	2 50
Lilium Longiflorum.....	10 00@	12 00
Lily of the Valley.....	3 00@	4 00
Pink Japan Lily.....	3 00@	5 00
Narcissus.....	2 00@	3 00
Jonquils.....	2 00@	3 00
Violets.....	40@	60
Mignonette.....	2 00@	4 00
Daisies.....	1 00@	1 50
Sweet Peas.....	50@	1 00
Asparagus, per bunch.....	35@	50
Asparagus, Sprenger.....	35@	50
Ferns.....	per 1000,	\$2 50
Galax.....	per 1000,	\$1 50
Smilax.....		15 00

BOSTON, April 16.		
Roses, Beauty, best.....	25 00@	30 00
" " medium.....	12 00@	20 00
" " culls.....		4 00
" White and Pink Killarney.....	2 00@	6 00
" " Extra.....	4 00@	8 00
" Taft.....	4 00@	10 00
" Cardinal.....	2 00@	10 00
" Ward and Hillingdon.....	2 00@	8 00
" Killarney and Richmond.....	2 00@	8 00
" My Maryland.....	2 00@	8 00
Carnations, select.....	2 00@	3 00
Callas.....	8 00@	12 00
Cattleyas.....	25 00@	40 00
Gardenias.....	12 00@	25 00
Lilium Longiflorum.....	8 00@	10 00
Lily of the Valley.....	2 00@	4 00
Sweet Peas.....	50@	75
Smilax.....	12 00@	16 00
Violets, single.....	35@	75
" double.....	25@	50

CINCINNATI, April 16.		
Roses, Beauty.....	per doz.,	\$1 00@ \$4 00
Per 100		
" Bride, Bridesmaid.....	3 00@	5 00
" Killarney.....	3 00@	8 00
" My Maryland.....	3 00@	8 00
" Perle.....	3 00@	8 00
" Richmond.....	3 00@	8 00
" Taft.....	3 00@	8 00
Carnations.....	3 00@	4 00
Callas.....	10 00@	12 00
Lilium Giganteum.....	10 00@	12 00
Lily of the Valley.....	3 00@	4 00
Orchids.....	per doz.,	4 00@ 6 00
Tulips.....	2 00@	4 00
Jonquils.....	2 00@	3 00
Dutch Hyacinths.....	3 00@	4 00
Spanish Iris.....		4 00
Violets.....	50@	1 00
" double.....	50@	75
Sweet Peas.....	35@	1 00
Asparagus Plumosus.....	per bunch,	25



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We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

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J. M. McCullough's Sons Co.,
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34-36 Third Ave. East, CINCINNATI, OHIO
Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

St. Louis, April 16.		
Roses, Beauty, long.....	per doz.,	4 00
Roses, Beauty, medium.....	8 00@	15 00
Roses, Beauty, short stems.....	3 00@	6 00
" Killarney.....	3 00@	6 00
" My Maryland.....	3 00@	6 00
" White Killarney.....	3 00@	6 00
Carnations.....	1 00@	2 00
Lilium Rubrum.....		8 00
Valley.....		4 00
Violets.....	40@	60
Sweet Peas.....	20@	60
Asparagus Sprenger.....	2 00@	3 00
Asparagus Plumosus, per bu.,	35@	60
Ferns, New, Fancy.....		1 75
Galax.....	per 1000,	1.25

New York.

Monday, April 14.—There is a fair market this morning, though roses continue cheap. The first gladioli we have noticed came in this morning to Walter F. Sheridan, from E. G. Mott, Glen Head, L. I.

FLORIST CLUB MEETING.

The regular monthly meeting of the club was held in its rooms in the Grand Opera House building on the night of April 14, President Siebrecht in the chair. While there was a good attendance, the reaction after the strenuous week of the show was apparent and the business was soon transacted. Appropriate resolutions on the death of Philip Einsmann and Abraham Moltz, late members, were adopted. The outing committee reported progress and stated that the summer outing will be held July 1 at Witzel's Point View Grove, where the club's outings have been held in the past.

W. H. Siebrecht, Jr., chairman of the committee appointed by the New York and New Jersey Plant Growers' Association, reported that Park Commissioner Stover will grant all of the north end of Union Square Park to the plant growers for a market and will co-operate with the New York Florists' Club, the Plant Growers' Association and the Flower Market Association. President Siebrecht appointed A. L. Miller, Oscar Boehler and John Birnie a committee of co-operation from the club.

President Siebrecht also appointed a committee of three to report at the next meeting on the style of the emblem for the club badge. Chas. Weathered presented an emblem which was viewed by the members. The following names were proposed for membership: A. M. Kirchner, Chas. Hispen, Herman Branch, Louis Enne, Joseph Levy, H. F. Marquardt, John E. Sefton, Ernest Ulrich, Frank Grumbach, George Ehrle, John Watts, Vivian L. Outerbridge. The house committee furnished refreshments.

NOTES.

At the banquet on April 10 ex-President Joseph A. Manda was presented with an assortment of table silver. Patrick O'Mara in a witty speech handed the present to Mr. Manda.

It has been stated that the total attendance at the show was about 40,000.

A. F. F.

Boston.

CARNATION SHORTAGE FEARED.

There has been somewhat of a see-saw movement in the market this week. Carnations are shortening and some see a scarcity of the flower if present conditions continue. The rains have had a bad effect on business.

NOTES.

The show of the Co-operative Flower Market was a great success. Much credit should be given those in charge. It was a surprise to many to see so many entries and so much high-class stock. The carnation and rose exhibits were simply superb. Nothing we can remember in any market show has equalled it. The members of the Boston Flower Exchange contributed largely to the exhibits, both in roses and carnations, and also outside parties. The retailers put up a splendid exhibit of made-up pieces of high-class work which was a credit to them and a credit to the exhibition. There was nothing in the show but what was of good quality and well grown. The Waban Rose Conservatories showed a new red rose, under the name of Rex, which won the prize for the best rose

CHOICE PLANTS FOR IMMEDIATE SHIPMENT

Araucaria Excelsa, our specialty. April 1912 importation. 5 1/4, 5 1/2, 6 in. pots: 3, 4, 5, 6, 7 tiers: 14, 16, 18, 20, 25, 30 to 35 inches high: 40c, 50c 60c, 75c, \$1.00, \$1.25 to \$1.50 each.

Ficus Elastica, (Rubbers), 5 1/2, 6, 7 in. pots, all heights, 25c, 30c, 40c, 50c, 60c each.

Alexandra Daisies, 5 1/2 in. pots, bushy, 20c to 25c each.

Primula Obconica, 4 in. strong, in bloom, 10c; 5 1/2 in., 15c to 20c.

Dracaena Terminalis, suitable for window boxes 5 1/2 in. pots, well colored, 25c, 30c, 40c and 50c.

Crimson Rambler Roses, 6 in. pots, suitable for outdoor planting, 3 to 4 feet high, 50c.

Geraniums, 4 in. pots, **S. A. Nutt.** scarlet; **Buchner**, white; **E. G. Hill**, salmon; **Beaute Poitevine**, salmon; **Gloriosum**, pink and assorted colors; **Scarlet Sage**, **Bonfire** and **Zurich**, \$7.00 per 100.

Begonia Argenti Cutati 4 in. 15c, 2 1/2 in. 7c.

Begonia, New Improved Erfordi pink and our new improved Verona. A bed of these varieties is a joy forever. 4 in. \$10.00 per 100; 3 in. \$7.00 per 100; 2 1/2 in. \$5.00 per 100.

Asparagus Plumosus and Sprengeri, large 4 in. 10c; 3 in., 7c; 2 1/2 in., 4c.

Hydrangea Otaksa, for planting out, 6-7 in., 25c, 35c, 50c, 60c.

Vinca, variegated, 4 1/2 in. pots, 15c.

Small Plants.

Phlox, Drummondii grandiflora, assorted colors, 2 1/2 in. pots, \$3.00 per 100.

Phlox, Drummondii compacta, assorted colors, 2 1/2 in. pots, \$3.00 per 100.

Verbenas, assorted, 2 1/2 in., \$3.00 per 100.

Petunias, California Giants, 3 in., best plants, \$5.00 per 100.

Petunias, Inimitable, dwarf or compacta, \$3.00 per 100.

Tagetes, dwarf marigold, \$3.00 per 100.

Coleus, Golden Bedder, Victoria, Verschaeffeltii, and assorted, 2 1/2 in., \$3.00 per 100.

Ageratum, best blue, 3 in., \$5.00 per 100.

Thunbergia or black eyed Susan, 2 1/2 in., \$3.00 per 100.

Centaurea Gymnocarpa, Dusty Miller, 2 1/2 in., \$3.00 per 100.

Lobelia, Crystal Palace compacta, dark blue, \$3.00 per 100.

PALMS, **Kentia Forsteriana**, 4 in., 25c to 35c; 5 1/2, 5 1/2, 6 in. pots, 25, 30, 35, 40 to 50 in. high: 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50.

Kentia Belmoreana, large: 4 1/2 in., 25c to 35c; 5 to 5 1/2 in., 50c, 60c, 75c. Made-up of 3 plants, 6 in. pots, 75c to \$1.00.

Clematis, **Paniculate**, large, 5 1/2 to 6 in., per dozen, \$2.00.

Bleeding Hearts or digitalis Spectabilis, 6 in. 25c, 35c, 50c.

Ipomoea Noctiflora, Our so well-known pure white, waxy Moonvine, bearing flowers very fragrant and as big as a saucer 2 1/2 in. pots, \$5.00 per 100; 4 in., \$12.00 per 100.

Neph. Scottii, 4 in., 15c to 20c; 5, 5 1/2, 6, 7 in., 25c, 35c, 40c, 50c, 60c, 75c.

Boston, 5, 5 1/2, 6 in., 30c, 40c, 50c.

Whitmani, small, 4 in., 20c; 5, 5 1/2 in., 25c to 35c.

Giatrassi, 4 in., 25c; 5 1/2 to 5 1/2 in., 30c to 40c.

GODFREY ASCHMANN

Importer, Wholesale Grower & Importer of Pot Plants
1012 West Ontario St., Philadelphia, Pa.

VAUGHAN'S CANNAS

Strong 2-Eyed Bulbs.

	Per 100	Per 1000		Per 100	Per 1000
Beaute Poitevine.....	4.00	30.00	Milwaukee.....	4.00	35.00
Chas. Henderson.....	4.00	30.00	New Chicago.....	10.00	90.00
Comte de Sach.....	6.00	50.00	New York.....	5.00	40.00
David Harum.....	4.00	35.00	Prince Wied.....	10.00	90.00
Egandale.....	4.00	35.00	The Express.....	6.00	50.00
Mad. Crozy.....	4.00	35.00			

250 at the 1000 rate.

Chicago Vaughan's Seed Store New York

Greenhouses and Nurseries, Western Springs, Ill.

of 1913 not disseminated. Also a gold watch went with the prize. The Mrs. Chas. Russell rose was awarded the silver cup for the sweepstake prize. Wm. Sim's exhibits of sweet peas were wonderful. They were of the winter-flowering Spencer type and they were staged as only Mr. Sim can stage them. There was a good attendance all day. It was a show worthy of a larger hall to display the good qualities of the flowers. It goes to show what can be done by the united efforts of all interested in the trade.

We are told by one of the members of the Horticultural Club of Boston that the club is not a business organization but a social club with a limited membership of 25 and a large waiting list. We, as many others who have never been inside the club rooms, did not know what the club stood for. One of its aims is to give hospitality to any distinguished men who may visit this city and see that their stay is pleasant and that nothing is lacking to make their visit an enjoyable one.

Everyone returning from New York is well satisfied with the trip. The rose growers say it was the best exhibition of roses they ever saw or ever hope to see, as regards quality. All feel that it was a great show. . . . MAC.

SEND TO GEO. A. KUHLE, Pekin, Ill., Wholesale Grower to the Trade, for his list of Soft Wooded Plants, Fern List, Roses, Chrysanthemums, Cannas, Caladiums, Blooming Plants, and Miscellaneous Stock, Etc.

Geo. A. Kuhl,
PEKIN, ILLINOIS.

Springfield, Ill.

Small towns and rural communities will have the way paved for park districts and recreation centers if S. B. 74 introduced by Senator Maclean, which is now on third reading in the Senate, is enacted into law. This measure provides for public recreation districts upon the petition of 100 legal voters to the county judge. In the petition the boundaries of the recreation district are named and the district shall be organized if it is favored by a majority of the voters of the district at a referendum election. Such recreation districts are to be under the supervision of six directors to be named at the time the referendum vote is taken.

SANTA MONICA, CALIF.—Walter Armacost has moved his flower store into the new Byrne building in Marine street.

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**S. S. Pennock-Meehan Co.**

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Everything in Cut Flowers.

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FOR CUT FLOWERS: in two colors on gummed paper: your card, etc., in black and leaf adopted by the S. A. F. in red. Price per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago**European Horticulture.**

FROM THE BRITISH PRESS

The Sporting of Californian-grown Sweet Peas.—The subject of the sporting of Californian sweet peas, raised by several correspondents, is one of interest to all lovers of this flower. Why, however, limit the observations to Californian sweet peas only? I ask this question because, until I hear of conclusive evidence to the contrary, I shall believe that the same laws governing this matter hold in California as they do here. One has often seen it advanced that different insects abound abroad to what are seen here, and that they may have a different way of working to those in our own country. Personally I cannot follow this, as even if they do work differently and actually enter the flowers and carry away pollen to other flowers, my experience of many years' standing teaches me that they might bring about cross-pollination but not cross-fertilization—a very different matter. The fertilization has taken place before this pollen is transferred, and would have no more effect than so much inorganic dust. I have never in all my experience come across a case of "sporting" which I could trace to natural cross-fertilization. There is a lot of nonsense talked about insects and their effect upon cross-fertilization. I admit they do bring it about in many flowers, but it is much rarer than is supposed. Is it likely that nature would rely upon the chance visitation of an insect to insure the perpetuation of any species of plant? Nature does not believe in the haphazard. We have been so accustomed to take for granted all we read of the conclusions of such men as Darwin that we have, very few of us, taken the trouble to see whether such conclusions are correct. Eminent scientific writers have done the same, hence too much stress has been laid upon the importance of insects to flowers. Because Darwin and others have noticed certain things to take place at different times they have concluded that it always happens, and is the universal law of nature with regard to the particular plants observed. This, however, is a digression. I think several of your correspondents hit the nail on the head when they infer that there is not as much care shown in the growing of Californian stocks as in this country. They are grown without sticks upon a huge scale, and cannot be as carefully superintended. Growers know well that one has to pass along rows scores of times before all rogues come out. You might miss one many times. If this is so when grown upon sticks, what about those growing low down, to which the Chinaman has to bend in the heat of a scorching sun? Is it to be wondered at that many are left?—The Garden.

Sweet Peas for Glass Culture.—For some reason the Zvolanek and Telemly varieties are not satisfactory here, yet in America the first-named type can be made to grow 10 feet or more, and produce 12 to 18 inch stems, the flowers oftentimes selling wholesale at \$1 per 100 or more. American growers, however, admit that their flowers are not nearly equal to those produced under glass by British growers, but there is just the difference that America has

Paul Meconi**Wholesale Florist**55-57 West 26th Street
NEW YORK CITY

Telephone: 3864 Madison Square

Wholesale Flower Markets

	NEW YORK, April 16.	Per 100
Roses, Beauty, special.....	20	30@25 00
" " extra and fancy ..	8	60@10 00
" " No. 1 and No. 2....		50@ 2 00
" " Bride, Bridesmaid special..	2	00@ 5 00
" " extra and fancy.....	2	00@ 3 00
" " No. 1 and No. 2.....		50@ 1 00
" " Killarney, My Maryland..		
" " special.....	5	00@ 6 00
" " extra ..	3	00@ 4 00
" " No. 1 and No. 2 ..		50@ 2 00
" " Queen, special.....	7	00@ 9 00
" " Red, special.....	7	00@ 9 00
" " Hillingdon, Aaron Ward ..	8	00@10 00
" " Richmond.....	3	00@10 00
" " Sunburst, special.....	3	00@12 00
" " Taft, special.....	9	00@12 00
" " Mrs. Geo. Sawyer, special..	10	00@15 00
Carnations.....	1	00@ 3 00
Jonquils.....	1	00@ 2 00
Cattleyas.....	25	00@60 00
Gardenias.....	10	00@20 00
Tulips.....	1	00@ 3 00
Lilies, Longiflorum and Harrisii ..	5	00@ 6 00
L. Rubrum.....		6 00
Lily of the Valley.....	1	00@ 3 00
Sweet Peas, per doz, bunches, ..	50	@ 1 00
Violets.....	10	@ 20
Adiantum Croweanum.....	15	@ 50
Asparagus Plumosus, doz. bchs.,	1	50@ 3 00
Smilax.....per doz. strings, ..	1	00@ 1 25
Lilac.....per bunch, ..	25	@50c

sweet peas in November, while none worthy of the name are to be seen at home until mid-April or later. The reason is as stated; Americans grow the early Zvolanek type, while home growers depend upon the Spencer types. The difference between the two is that the early-flowering kinds are active all the time, and they run up without a check, while the Spencer, or late-flowering type, stand still after germinating, while they are breaking at the base, and any attempt to force them along ends in failure. The British public has been educated up to big blooms, and the small flowers of the Zvolanek type are not acceptable. It is generally admitted that the early sorts already in existence are not satisfactory. Apart from their small size and hooded form, they are sometimes much mixed, but nevertheless I am convinced that the treatment generally accorded them is not conducive to their well-being. Owing to our dull winters the seed ought to be sown early in August instead of late September or October as is usually the case. Treated properly, the early types will flower weeks ahead of the ordinary forms, but no treatment will make them take on the size so much desired. We therefore must confine ourselves to the giant Spencers already in favor. —Gardeners' Magazine.

Sweet-Scented Flowers from Seed.—Most people agree that a garden minus a good complement of fragrant flowers is devoid of its most charming attraction: but surely nobody wilfully makes his or her plans for the coming year with the express intention of leaving out the sweetly-scented of floral subjects, yet nobody who has observed the general run of the flower

**HORACE E. FROMENT**

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

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FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist Trade, at Wholesale.

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119 West 28th Street NEW YORK

garden will say that fragrant flowers are planted sufficiently extensively, or that the most is made of them. At this season when plans are being prepared it is as well to make provision for the inclusion of suitable plants.—Journal of Horticulture.

EVERYTHING FOR Decoration Day, Commencements, Weddings

M. RICE CO., LEADING FLORISTS' SUPPLY HOUSE, : : **1220 Race Street PHILADELPHIA, PA.**

Clean Sphagnum Moss

10 Burlap Bales . . . \$13.50
10 Wired Bales (large) . . . 11.00

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CHICAGO

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

FREDERICTOWN, N. B.—John Bebbington & Son report a small increase in Easter sales over last year. Prices were no better. The supply of plants and cut flowers was ample. Easter lily plants sold the best. Daffodils and tulips in pots at 35 cents sold well. High priced plants did not seem popular. Lily of the valley and roses had little call, carnations, violets and daffodils having the run in the cut stock. The early date no doubt militated against heavy sales. Money seems not too plentiful. The weather has been very bad.

SAVANNAH, GA.—Business was about the same as last Easter and prices were no better, say A. C. Oelschig & Son. The plant supply was ample but more cut flowers could have been sold. Easter lilies, calla lilies, hyacinths and lily of the valley sold readily, but there was little call for made-up plants. All white cut flowers sold well. There was much cloudy weather before Easter. A fine crop of carnations was cut but the roses could have been better.

DALLAS, TEX.—Business for Easter increased 20 per cent over that of a year ago according to the Texas Seed & Floral Co. Prices were about the same. The plant supply was not sufficient to meet all calls, but cut flowers were in ample supply. Lilies were the best selling plants and cut lilies and carnations also sold well. Roses moved slowly. Hydrangeas and baby rambler roses proved good sellers.

JACKSONVILLE, FLA.—Sales were 15 per cent greater this Easter than in 1912, with prices about the same, says Mills, the Florist. Plants and cut flowers were both in ample supply. Cheap plants did not sell readily, but azaleas and Easter lilies were popular. Easter lilies, carnations and violets sold best of the cut flowers.

Do Not Take Any Fake Green Thread. Use the Genuine Silkline and Get More Thread and Less Wood.



JOHN C. MEYER THREAD CO., 1495 Middlesex St., Lowell, Mass.

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes

The MEYER Green

SILKLINE

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by growers for stringing Smilax and Asparagus, as it will not fade or rot in the greenhouse. The Meyer Silkline was the first green thread to be introduced among Florists and Growers. It is handled by the best houses everywhere, but it should be ordered by name—Meyer's Silkline—to be sure of getting the genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the manufacturers. Price for any size or color, \$1.25 per lb. Sizes "F" fine, "FF" medium, and "FFF" coarse

Lowell Thread Mills, 1495 Middlesex St., Lowell, Mass.



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

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We are now filling orders for

Southern Wild Smilax

Price, \$3.00 per case

E. A. BEAVEN, Evergreen, Ala.

Mention the American Florist when writing

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1886

1913

Southern Wild Smilax in limited quantities, in the standard sixteen cubic foot cases, \$3.00 per case.

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Everything in Southern Evergreens.

EVERGREEN,

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MOSS

We have a surplus of 12 barrel bale New Jersey Moss, clean, fresh and burlapped, and will deliver anywhere in Chicago, express prepaid, at \$5.00 per bale, 2 or more bales at \$4.75. By freight collect at 25c per bale less. Satisfaction guaranteed or money refunded.

KLEHMS' NURSERIES, Arlington Heights, Ill.

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY,
Published and For Sale by the

American Florist Co., 440 S. Dearborn St.
CHICAGO
PRICE, ONE DOLLAR, POSTPAID.

GOLDFISH

"Something Alive in the Window"

Catches the public eye.

Order your supply now.
\$3.00 per 100 and up.

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AUBURNDAL GOLDFISH CO.
920 W. Randolph Street, CHICAGO

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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2 STORES 2

 SUPERIOR, WIS.

J. J. LEBORIUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

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Established in 1857.



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L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave., Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.

Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Terre Haute, Ind.

John G. Heintl & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

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Connecticut Avenue and L Street

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Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

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623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.

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FROM NEW YORK EXCEPT AS NOTED.

April 24.

Adriatic, White Star, 12 noon.
Cincinnati, Ham.-Amer., 11 a. m.
FROM ST. JOHN, Letitia, Donaldson.

April 25.

New York, American, 10 a. m., Pier 62, North River.
FROM PHILADELPHIA, Marquette, Red Star, 10 a. m.
Indian Prince, Prince.
Ocean Prince, Prince.

April 26.

Columbia, Anchor, 12 noon, Pier 64, North River.
FROM ST. JOHN, Lake Manitoba, Can. Pacif., 12 noon.
Saxonia, Cupard.
FROM PHILADELPHIA, Merion, American, 10 a. m.
Oceanic, White Star, 12 noon.
FROM PORTLAND, Megantic, White Star-Dom., 10 a. m.
Pennsylvania, Ham.-Amer., 12 noon.
Potsdam, Holland-America, 10 a. m.
Kaiser Wilhelm II, North Ger. Lloyd, 10 a. m.
Koenig Albert, North Ger. Lloyd, 11 a. m.

April 30.

K. Auguste Victoria, Ham.-Amer., 2 p. m.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

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TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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87 Madison Avenue

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All orders filled carefully and promptly delivered in Memphis and all the adjoining states, Arkansas, Mississippi, Alabama and Tennessee.

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To out-of-town florists
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And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

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Orders for cut flowers and designs solicited for delivery in any part of Texas.

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Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

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Established 1874.

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We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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Will execute orders for any
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Careful Attention To All Orders.

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1501 and L 1582

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Alpha Floral Co., Des Moines, Ia.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
California Florists, Tacoma, Wash.
Carbone, Philip L., Boston.
Clark's Sons, New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Haisch's, Memphis, Tenn.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Keller Sons, J. E., Rochester, N. Y.
Kelllogg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthewson, J. E., Sheboygan, Wis.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McClunie, Geo. G., Hartford, Conn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Ostertag Bros., St. Louis.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pelicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Phillips Bros., Newark, N. J.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Portland Flower Store, Portland, Me.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schilling, Max, 22 W. 59th St., New York.
Smith, Henry, Grand Rapids, Mich.
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Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Wills & Segar, London, England.
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Corner Broadway and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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All Orders Given Prompt and Careful Attention

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Personal Attention to all Orders.

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Largest Floral Establishment in America.
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Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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CLEVELAND

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All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

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Use our Color Chart in describing them.

PRICE, \$1.00, POSTPAID.

AMERICAN FLORIST CO.

440 South Dearborn Street, CHICAGO

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Send flower orders for delivery in

**Boston and all
New England Points**

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**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

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Albany, N. Y.—Eyes, 11 N. Pearl St.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Penn, the Florist, 43 Bromfield St.
Boston—Philip L. Carbone.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Hartford, Conn.—Geo. G. McClunie.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Memphis, Tenn.—Haisch's.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio—Chas. A. Duerr.
Newark, N. J.—Philips Bros.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Rowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Portland, Me.—Portland Flower Store.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
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Sheboygan, Wis.—J. E. Matthews.
St. Louis, Mo.—Ostertag Bros.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellcano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Heint & Son.
Tacoma, Wash.—California Florists.
Toledo, O.—Mrs. J. B. Freeman.
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Washington—Geo. H. Cooke, Conn. Ave. and L.
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Established 1849

David Clarke's Sons

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Telephones: 1552-1553 Columbus Choice Cut Flowers.

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Prompt and careful attention to orders from out-of-town florists.

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Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

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**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in

NORTHERN OHIO.

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Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.

Jefferson and Washington Ave.

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Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

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Canada's best known and most reliable florist

Only the Best **Dunlop's**
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We deliver anywhere in Canada and guarantee
safe arrival.

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Will take proper care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

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ALFRED HANNAH & SONS Will fill your
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Send your orders for Chicago and Suburbs to



Schiller The Florist
2223 W. Madison St. CHICAGO.
All orders carefully filled under the supervision of
GEORGE ASMUS, Mgr
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Cleveland, O., and Vicinity.

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The Largest Growers of Flowers in City.

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All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

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Special attention to Mail and Telegraph Orders

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Artistic Floral Work and Long Stem
Beauties Our Specialty.

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Tacoma, Wash.

California Florists

will take care of all telegraphic orders.

OGDEN, UTAH.—This year sales were greater than for the Easter of a year ago and prices were better, says F. J. Hendershot & Son. The supply of plants was not equal to the demand but there were plenty of cut flowers. Calla lilies, Easter lilies, azaleas, geraniums, etc., sold well but palms and ferns had little call. Orchids and American Beauty roses did not sell readily, daffodils, carnations and Kil-larney roses proving the most popular of the cut flowers.

DECATUR, ILL.—Fully 50 per cent more Easter business was done this year than last, says John N. Bom-mersbach. Prices remained as before. The supply of plants was equal to the demand as was that of cut flowers with the exception of carnations. Hardy roses, spireas, hydrangeas, azaleas and Easter lilies were most in demand of the plants. Hyacinths seem to be losing in popularity. Cut flowers all sold readily.

NEW ORLEANS, LA.—A 20 per cent increase in Easter sales is reported for this year by Abele Bros. Prices were about the same as a year ago. The supply of both plants and cut flowers was equal to the demand with the exception of cut lilies of which more could have been sold. Lily plants were the most popular and cut lilies and carnations sold best of the flowers.

GREELEY, COLO.—Sales and prices were about the same this Easter as a year ago, reports the Gardner Floral Co. The supply of plants and flowers was equal to the demand. Daffodils, primroses, azaleas and colored tulips were least in demand but there was a good call for lilies, hyacinths, white tulips and spireas.

CANAL DOVER, O.—The Easter business was more than double that of former years, says C. Betscher. Fresh, crisp stock and reasonable prices helped increase the sales.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

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CUT FLOWERS

Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

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Blackstone

14th and H. Street.

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Begerow's

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Fresh Flowers and Best Service. Deliveries
throughout the state and to all steamship docks
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Rockford, Ill.

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The Planting Season is Drawing Very Near So You Had Better
Order Your Supply Now and Get the Pick of Our Stock : : :



	Per 100	Per 1000
<i>Alternantheras</i> , red and yellow, strong, 2 1/4-inch.....	\$2 50	\$20 00
<i>Asparagus Sprengeri</i> and <i>Plumosus Nanus</i> , 2 1/4-inch strong.....	3 00	25 00
<i>Asparagus Hatcheri</i> , New <i>Asparagus</i> 2 1/4-inch.....	5 00	
3-inch.....	8 00	
<i>Ageratum</i> , dwarf blue, 2 1/4-inch.....	2 50	
3-inch.....	5 00	
4-inch.....	8 00	
<i>Begonia</i> , Tuberous rooted, strong 4 inch, all colors, double and single, per doz. \$2		
<i>Begonia Luminosa</i> , for bedding, strong, 2 1/4 inch.....	2 50	23 00
<i>Cobaea Scandens</i> , strong 4 inch..... per doz. \$1 50		
<i>Celosia</i> , Cock's Comb, dwarf.....	5 00	
<i>Coleus</i> in variety, 2 1/4-inch, \$2 50 per 100; 3-inch.....	5 00	
<i>Dusty Miller</i> , for border, 2 1/4-inch.....	2 50	
<i>Dracaena Indivisa</i> , strong 5-inch.....	20 00	
<i>Geraniums</i> for May delivery, varieties as follows: S. A. Nutt. Buchner, La		
Favorite, Jean Viaud, Mrs. E. G. Hill, Ivy geraniums in variety, 4-inch \$8 and 10 00		
<i>Rose Geranium</i> , 4-inch.....	10 00	
<i>Mme. Salleri Geranium</i> for border, 2 1/2-inch.....	3 00	
<i>Grevillea Robusta</i> (silk oak) 2 1/4-inch strong.....	2 50	
<i>Heliotrope</i>	3-inch, \$6 00 per 100; 4-inch 10 00	
<i>Ivy</i> , English.....	2 1/2-inch, \$3 00 per 100; 4-inch 12 00	
<i>Ivy</i> , German or Parlor Ivy strong 2 1/2 inch.....	3 00	
<i>Lobelia</i> , Speciosa and Crystal Palace Comp.....	2 50	20 00
<i>Marguerite</i> , Mrs. F. Sanders, double white.....	3-inch, \$8 00; 4 inch, 15 00	

Musa Ensete Abyssinian Banana, strong

4 inch, per dozen.....\$2 00

Pansies, strong transplanted of best strain.....

\$5 00

Petunias, single fringed all colors from choice seed.

3-inch.....\$5 00

4 inch.....8 00

Recinus (Castor Bean), strong.....4 inch, per doz., \$1 50

Per 100 Per 1000

Salvia, Bonfire and Zurich, elegant stock from cuttings.

2 1/4-inch.....2 50

3-inch.....5 00

4-inch.....12 00

Smilax, strong new stock, 2 1/4 inch.....

2 50

3-inch.....6 00

Per 100 Per 1000

22 00

50 00

DECORATIVE PLANTS

HYDRANGEAS

From now until June 1 we offer a choice lot of Hydrangeas in full bloom, at from 50c to \$2.00 each. Also a large supply of decorative plants, palms and table ferns.

Ficus Pandurata, strong, 6-in., \$3.50 each.

Ficus Elastica, strong, 6-in., 75c to \$1.00 each.

Dracaena Massangeana, well colored, 6-in., \$1.00 to \$1.75 each.

Pandanus Veitchii, highly colored, 5-in., 75c each; 6-in., \$1.25 each; 7-in., \$2 00 each.

Palms

Kentia Forsteriana and *Belmoreana*, all sizes from 4 to 12-in. tubs in fine condition. Fine decorative stock ranging in price from 35c to \$15.00 per plant.

Table Ferns—10 Varieties

2 1/4-in. pots, \$3.00 per 100; \$25 per 1000.

3-in., strong, \$6.00 per 100; \$55 per 1000.

Pansies

Strong transplanted seedlings for early blooming, choice strain, \$5.00 per 1000.



Poehlmann Brothers Co.

MORTON GROVE

Plant Department

ILLINOIS

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

SEED POTATOES are in good demand.

SWEET and field corns are as yet moving slowly.

ONION SETS at Chicago are selling about as follows: Yellows, \$2; Whites, \$1.75; Reds, \$1.60.

JESSE E. NORTHRUP is still at the Presbyterian hospital, Chicago, and his condition remains unchanged.

ATLANTA, GA.—The Everett Seed Co., a new concern, is preparing to do a big mail order business this spring.

CHICAGO.—Prices on the Board of Trade April 16 for grass seed were noted as follows: Timothy, \$3 to \$4 per 100 pounds.

PETER HENDERSON & Co., New York, were awarded a gold medal for their exhibit at the National Flower Show in that city.

FOR eight or ten days preceding April 15, cold and rainy weather has caused slow counter trade, but warmer weather April 16 stimulated again the delayed demand.

THE Albert Dickinson Co., Chicago, has issued a neat booklet giving much interesting and valuable information regarding their specialties in farm seeds.

WHOLESALE seedsmen whose salesmen have been making country towns on their routes have found that it pays them to have automobiles of their own for this purpose.

TEXAS growers of Bermuda onions propose to establish local selling (retail) stations in large cities like Chicago. Ten pounds for 30 cents is a price suggested.

The Late Frank Banning's Business.

The business of the late Frank Banning, gladiolus specialist of Kinsman, O., whose death on March 17 at the age of 53 years was noted in one of our recent issues, will be carried on in two sections, one under the name of Bidwell & Fobes, Kinsman, O., and the other the Perkins-King Co., of West Mentor, O.

Seeds and Plants Imported.

In the introduction to its bulletin on "Seeds and Plants Imported from October 1 to December 31, 1911," the Department of Agriculture calls attention to the collections made by Frank N. Meyer in central Asia. One of much importance, it is believed, is a new durum wheat which was originated at the Bezenshook agricultural experiment station in Russia. It has proved extremely hardy, withstanding the cold at Samara, though other varieties tested at the same time were killed outright or severely injured. Mr. Meyer also

found two distinct wild forms of alfalfa, one a bunchy, upward form and the other a very vigorous prostrate form. The same investigator found twelve species of vetches on the steppes of southwestern Siberia. Some are thought to have great promise as forage plants and may be introduced into the northwestern ranges.

"Perhaps nothing which he found will create a more general interest than the Siberian cherry from the Ural district and western Siberia," says the bulletin. "This cherry, identified as a form of *Prunus fruticosa*, is a low bush not over four feet high, perfectly hardy and extremely drought resistant, so resistant in fact to extreme cold and drought, that it can doubtless be grown throughout the entire Northwest. A plantation of these cherries resembles a tea plantation. The fruits are about the size of currants, are borne in great quantities, and make a most delicious preserve. Not only is this likely to prove a valuable plant as it stands, but two improved varieties have already been produced in Russia and Mr. Meyer has secured these. The possibility of producing a race of perfectly hardy bush cherries by the use of these species is suggested by Mr. Meyer."

Two varieties of large-fruited black currants have been discovered and are thought capable of introduction into the interior of Alaska. A new form of asparagus was found growing on the dry mountain sides in the southwestern part of the Caucasus. The shoots have a special piquancy. Another wild form was discovered in South Africa and is said to be preferred to the cultivated kind. A plum has been introduced from near Naples, Italy, which is described as being three inches long, of a greenish yellow color and a very thin, slender stone. It is said by its introducer to be the finest plum he ever ate.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

Dynamite in the Garden.

The Gardeners' Magazine, published in London, Eng., has the following in a recent issue: "It is very doubtful whether dynamite will ever take the place of the spade in gardening, though it may well supplement the work of the plow in agriculture. Experiments are being conducted in several parts of the country. Dr. Herbert Durham has recently worked his garden at Hampton, Hereford, with the aid of cheddite, a form of dynamite. The explosive was placed in holes three feet deep, and though the garden is near the house, and the soil dealt with only a few yards from a glass house, there was little concussion, and no damage, nor was the soil forcibly thrown into the air. The soil was moved to a depth of six feet by the explosive, and it has been estimated that in a couple of hours the cheddite did as much work as a man could have done in a fortnight, and loosened the soil to a greater depth. It is anticipated that the gases generated would kill insects, pests, and add to the fertility of the soil."

Bursting buds,
Shedding buds,
Setting spuds,
Spring.

R. & M. GODINEAU, SEED GROWERS,

Angers - France.

Specialties: Beets, Mangoes, Carrots, Cabbages,
Celeries, Parsleys, Parsnips, Turnips.

Growing Crops Given Personal Attention.

PEAS, BEANS, CUCUMBER

Growers for the Trade.

Ask for our growing prices for crop 1913
Peas, Beans and Cucumber Seed.

Also for prices for immediate shipment.

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

ASPARAGUS LUTZI

The most striking novelty of Asparagus in Europe. Import orders booked
now for pot-grown seedlings, \$30.00 per 100; \$275.00 per 1000,
f. o. b. New York. Terms: Net cash.

LOECHNER & CO., 11 Warren Street, NEW YORK.

BRASLAN SEED GROWERS COMPANY, INC.

ONION, LETTUCE, CARROT and RADISH SEED

San Jose, California

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers

SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS

Lawn Grass

BULK and CASES

OUR REGULAR STANDARD MIXTURES

**"DICKINSON'S"—GREENSWARD
EVERGREEN—PINE TREE**

Are suitable for all general requirements. Special mixture can be furnished when desired.

THE ALBERT DICKINSON
Minneapolis **COMPANY** Chicago

CONTRACT SEED GROWERS

Pepper, Asparagus, Tomato, Musk and Water Melon. For sale: Asparagus, Horse Radish and Rhubarb Roots.

Correspondence Solicited.

J. E. Hoopes & Co.
P. O. Box 38 MUSCATINE, IA.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.



H. WREDE

LUNEBURG, GERMANY

PANSY SEED

180 First Prizes, the highest awards Chicago, Paris, London, Bruxelles.

1000 seeds, finest mixed...25c
1 oz. ..\$2.25

Price list on application.

Cash with order

DAMMANN & CO.,

Seed Merchants to His Majesty the King of Italy

SAN GIOVANNI A TEDUCCIO, near Naples

Headquarters for **CAULIFLOWER** and **WHITE TRIPOLI ONION SEED**, (Crystal Wax), and all other **VEGETABLE and FLOWER SEEDS**

THE LARGEST GROWERS IN ITALY.

Established 1877.

Wholesale Catalogue in English, (containing also all Italian specialties). Special Offers and Italian Catalogue on application.

Western Seed & Irrigation Co.

Wholesale Seed Growers and Dealers

SPECIALTIES:

Sweet, Flint and Dent Corn; Cucumber, Musk and Watermelon; Pumpkin and Squash.

FREMONT : NEBRASKA

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists and Market Gardeners.

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPENTERIA, CALIF.

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Mention the American Florist when writing

LAWN GRASS SEED

WHOLESALE ONLY

J. OLIVER JOHNSON

1874-76 Milwaukee Avenue

CHICAGO, ILL.

Mention the American Florist when writing

Tuberose

DWARF DOUBLE PEARL

\$12.00 per 1000

Excellent Quality.

Lily of the Valley Pips

Cold Storage Berlin and Hamburg.

Per case of 1,000.....\$12.00

Per case of 3,000.....\$32.00

Write for a copy of our Florists' catalog.

J. M. Thorburn & Co

"THE MOST RELIABLE SEEDS."

33 Barclay St. (T12) New York, N. Y.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn

Mention the American Florist when writing

VICK Quality **VICK**

Aster Seed

Aster Book Now Ready

Aster Book and Wholesale Catalogue of Best Quality Seeds for Florists and Commercial Growers

James Vick's Sons

ROCHESTER, N. Y.

ROSES, CARNATIONS,

PLANTS, SEED, BULBS.

Send us your wants. We will take care of them. We supply stock at market price. Catalogue for the asking.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA

SEEDS

Best that grow. We sell direct to gardeners and florists at wholesale. Big, beautiful catalogue free. Write today.

ARCHIAS SEED STORE, Box 98, Sedalia, Mo

Mention the American Florist when writing

AMERICAN BEAUTY

2½-in. plants, \$6.00 per 100; \$50.00 per 1000. The prettiest stock that you ever saw; perfect in stem and foliage, ready for 3-inch.

GRAND STOCK OF

Pink and White Cochet

For Summer Blooming, \$3.00 per 100, \$25.00 per 1000.

Chrysanthemum Plants

All the commercial varieties in clean, free-growing stock, standard sorts, \$3.00 per 100; \$25.00 per 1000.

CHRYSOLORA and **ROMAN GOLD**, \$4.00 per 100; \$35.00 per 1000.

The E. G. Hill Co.,

RICHMOND, INDIANA.

Geraniums AND Coleus

Summer prices for Geraniums May 5th and after, \$10.00 per 1000 for Nut & Poitevine; \$12.50 per 1000 for Ricard. Coleus delivery of April 28th, red, yellow and assorted, \$6.00 per 1000. 2½-inch pot plants, \$2.00 per 100. Snapdragons from rose pots. Giant flowering separate colors, \$2.50 per 100.

Albert M. Herr, Lancaster, Pa.

Mention the American Florist when writing

—FOR—
SEEDS

OF ALL KIND APPLY TO
W. W. Johnson & Son, Limited
Boston, England

Mention the American Florist when writing

100,000 CANNAS

Best Named Varieties. Write for Prices.

F. F. SCHEEL,
Shermerville, - Illinois.

Mention the American Florist when writing

FOR SALE

10,000 Mixed Cannas

Composed of high-class varieties, \$9 per 1000; also a quantity of named varieties, \$15 per 1000.

V. L. CRAWFORD,
MERIDIAN, - - MISSISSIPPI

Our New Crimson Carnation

PRINCESS DAGMAR

WAS AWARDED

Silver Medal, at the Massachusetts Horticultural Society, Boston, April, 1912.

At the International Flower Show, New York, April, 1913,
First for best 100 crimson.

Gold Medal for 12 largest blooms.

Silver Medal, Perpetual Flowering Carnation Society, England.

Bronze Medal, American Carnation Society.

Preliminary certificate for Fred Dorner Memorial Medal.

At the Chicago Horticultural Society, April, 1913,
Bronze Medal, First, best seedling not disseminated, any other color.

At the Boston Co-operative Flower Market Show, April, 1913,
First for 50 best seedlings not disseminated.

First for 100 best carnations, any color.

PATTEN & CO., **Tewksbury, Mass.**

Mention the American Florist when writing

The Early Advertisement Gets There

CARNATIONS

Rooted Cuttings, Season 1913.

Ready Now.

	Per 100	Per 1000
Rosette.....	\$6 00	\$50 00
St. Nicholas	6 00	50 00
Benora.....	6 00	50 00
Gloriosa	4 00	30 00
White Wonder.....	3 00	25 00
White Perfection.....	3 00	25 00
White Enchantress.....	3 00	25 00
Enchantress	3 00	25 00
Rose Pink Enchantress	3 00	25 00
Scarlet Glow.....	3 00	25 00
Mrs. C. W. Ward.....	3 00	25 00
Bonfire	3 00	25 00

Rooted Cuttings Our Specialty. Fine stock; even size; well rooted cuttings.

F. DORNER & SONS CO.
LA FAYETTE, IND.

WE GROW PLANTS

Geraniums and other Bedding plants in quantities and now have a large stock ready in splendid shape, for immediate shipment. Special price for large lots.

	2-in.	3-in.
Geraniums, Standard and Ivy Leaved	per 100	per 100
Varieties.....	\$2.00	\$3.00
Mt. of Snow and Mrs. Pollock.....	3.00	
Scented, Nutmeg, Lemon, etc.....	2.00	3.00
Pansy Geraniums, Mary Washington.		
Mrs. Loyal.....	2.00	3.00
Lantanas, 10 Varieties.....	2.00	3.00
Lemon Verbena, Aloysia Citrodora.....	2.00	3.00
Lobelia, Kathleen Mallard and Crystal Palace Gen.....	2.00	
Moonvines, Noctiflora and Leari.....	2.00	3.00
Salvia, Bonfire and Zurich.....	2.00	3.00
Parlor Ivy, Senecio Scandens.....	2.00	3.00
Swainsona, Alba, and Rosea.....	2.00	3.00
Hardy Phlox, 20 varieties.....	2.00	3.00
Smilax.....	2.00	
Fuchsias, Rozain Bouchardat collection one plant each, one hundred varieties. \$10.00; 2 collection. \$15.00.		
Smilax Seedlings, 75c. per 100, \$6.00 per 1000.		

Cash with Order.

R. Vincent, Jr. & Sons Co., White Marsh, Md

Mention the American Florist when writing

KAISERIN

Large 2 and 3-year old bench plants in dormant condition. Ready to start up.

\$10.00 per 100.

Bassett & Washburn,

Store, 131 North Wabash Ave.,
CHICAGO, ILL.

Greenhouses at HINSDALE, ILL.

Mention the American Florist when writing

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my Specialty

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N Y

SPRING BULBS

GLADIOLUS

Of several leading kinds we can supply planting stock, white bulbs under one inch and small black bulblets by the bushel. Per 1000

MRS FRANCIS KING,

Medium size..... \$15.00

AUGUSTA, Medium..... 13.00

AMERICA, First Size (3000)..... 25.00

for \$66.00)..... 25.00

AMERICA, Medium Size..... 20.00

KUNDERDI GLORY, Firsts..... 40.00

CHICAGO WHITE,..... 50.00

PRINCEPS,..... 90.00

SHAKESPEARE..... 38 00

FLORISTS' MIXTURE,

(Light Colors)..... 15.00

BEGONIAS

(Tuberous Rooted Giant Flowering Varieties)

Singles, in Colors, white, scarlet, yellow, pink, Doz. 40c.; 100, \$2.50; 1 00, \$22.00.

Singles, Mixed Colors, Doz. 35c; 100, \$2.25; 1000, \$20.00.

Doubles, white, scarlet, yellow, pink, Doz. 65c; 100, \$4.50; 1000, \$40.00.

Doubles, Mixed Colors, Doz. 60c; 100, \$4.00; 1000, \$37.00.

LILY BULBS

Per 1000

Album, 9-11 inch..... \$12.50

Auratum 9-11 inch..... 10.00

Rubrum, 8-9 inch..... 6.00

Rubrum, 9 11 inch..... 9.00



True Dwarf Pearl Tuberose.

TUBEROSES

TRUE DWARF PEARL.

Per 1000

Mammoth, 6-8 inch... \$15.00

First Size, 4-6 inch.... 10.00

Medium Size, 3-4 inch 4.50

CALADIUM

ESCULENTUM.

Per 100 Per 1000

5 to 7 inch..... \$1.80 \$14.00

7 to 9 inch..... 3.50 28.00

9 to 11 inch... 5.50 52.00

LILIES

COLD STORAGE

Lil. Giganteum Per Case

7-9 inch (300 bulbs to case)..... \$18.00

8-10 inch (225 bulbs to case)..... 15.75

9-10 inch (200 bulbs to case)..... 17.00

Lil. Rubrum Per Case

8-9 inch (170 bulbs to case)..... \$10.00

9-11 inch (100 bulbs to case)..... 8.00

Write for Our Spring

"Book for Florists"

Vaughan's Seed Store

CHICAGO

NEW YORK



Caladium Esculentum.

Market Gardeners

Vegetable Growers' Association of America:

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

Prices of Indoor Fruits and Vegetables

Chicago, April 14.—Mushrooms, 20 cents to 60 cents per pound; lettuce 22½ cents to 25 cents, small cases; radishes, 20 cents to 50 cents per dozen bunches; pieplant, 25 cents per bunch; cucumbers, \$1.25 to \$3.00 per box of two dozen; asparagus, \$2.25 to \$2.75 for 24 bunches.

New York, April 12.—Cucumbers, 50 cents to \$1.25 per dozen; mushrooms, 65 cents to \$2.25 per 4-pound basket; tomatoes, 10 cents to 20 cents per pound; radishes, \$2.00 to \$3.00 per 100 bunches; mint, 25 to 65 cents per dozen bunches; rhubarb, 30 cents to 60 cents per dozen bunches; lettuce, 25 cents to 50 cents per dozen; beet tops, 25 cents to 75 cents per box.

Soil Acidity.

Soil acidity is caused by large amounts of decaying vegetable matter generally in muck or sandstone soils, but it is likely to occur in limestone soils as well. We are located on limestone area near limestone quarries, yet in five years we have added enough humus to need correction by adding quicklime. Many agricultural writers mention methods of soil testing. We have never found these of value; we prefer to put the question directly to the crops. To this end we should experiment constantly, as nobody else can exactly fit our case.

We procure common builder's lime and throw it into some shed or place where water cannot reach it. The air will soon reduce this to a fine powder; we are careful to have this well tempered before using it by exposing it to moist air, as under greenhouse benches or in a cellar. For the experiment we can select any partly grown crop, such as a sash of lettuce plants, or radishes, or cabbage plants, and by placing some lime into a sieve as fine as mosquito wire, we distribute the lime directly upon the plants by rapping the screen as needed.

We use a fair even covering and immediately wash it off and into the soil by a good watering. We always aim to have the plants dry before applying the lime to prevent damage. There is danger of damage if the lime remains on the plants over night. Also where lime is placed between rows of plants we prefer to wash it into the soil at once to prevent its caking over night. If after a week or ten days the limed plot is "head and shoulder" above the rest we know the reason and can make arrangements accordingly. Results are sometimes indifferent, seldom harmful, and very often of the utmost benefit. When lime is needed and not supplied we operate at a big disadvantage.

MARKETMAN.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

CLEAN, HEALTHY, STRONG ROSE STOCK

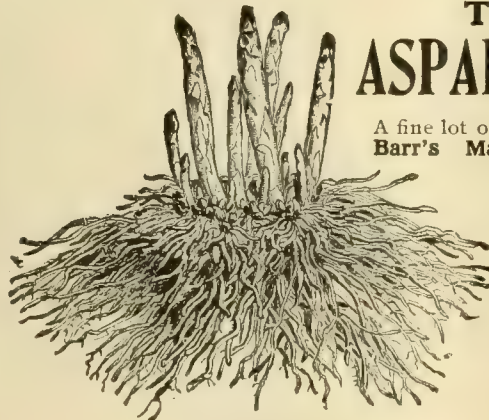
From 2½-inch pots.

	Per 100	Per 1000
Prince de Bulgarie	\$6.00	\$50.00
Richmond	5.00	40.00
Pink Killarney	4.00	35.00
White Killarney	4.00	35.00
Kaiserin A. V.	4.00	25.00
Radiance (Limited supply)	5.00	
Madison (Limited supply)	5.00	

We are entirely cleaned out of Young Beauties, having disposed of our surplus Beauty plants to a local grower who unhesitatingly pronounced our plants the best seen in our locality—so if you want some nice strong plants with quality combined, DON'T OVERLOOK THIS ADV.

J. A. BUDLONG, 82 East Randolph Street,
CHICAGO, ILL.

Two-Year-Old ASPARAGUS ROOTS



Asparagus Root.

A fine lot of strong, two-year-old roots, of Barr's Mammoth, Columbian Mammoth White, Conover's Colossal, Giant Argenteuil and Dreer's Eclipse, neatly put up in bundles of 25, 50c per 100; \$4 per 1000.

Special prices for lots of 5000 or more

Henry A. Dreer, Inc.
714 Chestnut Street
PHILADELPHIA, PA.

The above prices are intended for the Trade only.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

CHRYSANTHEMUMS

Good, Healthy, Strong Rooted Cuttings.

Alice Bryon	\$15.00 per 1000
Doctor Enguehard	15.00 per 1000
Golden Glow	15.00 per 1000
Jeanne Nonin	15.00 per 1000
Major B.	15.00 per 1000
Maud Dean	15.00 per 1000
Virginia Poehlmann	15.00 per 1000

Write for special prices on large quantities.

Shepard's Garden Carnation Company, 292 Fairmount Street,
LOWELL, MASS.

Mention the American Florist when writing



New Giant Flowering Marshmallow.

AQUATIC PLANTS, WATER LILIES, NELUMBIUMS, VICTORIAS. Tender and Hardy Aquatics have been a special feature with us for nearly a quarter of a century. Over eight acres of artificial ponds are devoted to their culture, if we can assist you in making plans or selecting varieties. The services of our expert are at your disposal for the asking.



New Hybrid Perpetual Rose, George Arends.

Get them at Dreer's ALL SEASONABLE PLANTS, SEEDS, BULBS AND SUNDRIES.

HARDY PERENNIALS. The most complete collection of varieties and the largest stock in the country. Our Perennial plants have a National reputation. We spare no expense to have them in the best possible shape for the planter. Such varieties that move better when pot grown are prepared in this shape. This does not mean little seedlings, but in the majority of cases the plants were field grown, were dug and potted during the fall and winter months and are of just the right size to give immediate results. They are not to be compared with so-called field clumps. Try them and be convinced.

See Our Current Wholesale List
for Varieties and Prices.



Nymphaea.

ROSES FOR OUTDOOR PLANTING TO GIVE IMMEDIATE RESULTS. We have three hundred thousand 5 and 6-inch pots the usual Dreer stock and the style of plants your retail customers are looking for. These are all two-year field grown plants which have been potted during the winter months and which were stored in cold houses and frames and which are now in prime condition for out-door planting. The collection is the most up-to-date, including many new varieties not offered by anyone in the trade.

Hybrid Teas, Hybrid Perpetuals, Tea and Everblooming, Ramblers, Baby Ramblers, Moss Roses, Hybrid Sweet Briars, Austrian Briars, Wichuriana, etc., etc.

See Our Current Wholesale List for Varieties and Prices.

OUR CURRENT WHOLESALE LIST also describes the following, all of which are handled as specialties:

Decorative Palms, Palms, Ferns, Pandanus, Bay Trees, Boxwoods, Dracaenas, etc., etc.

Hardy Shrubs, Hardy Vines, Hardy Climbers, Rhododendrons, Azaleas, etc.

Bulbs: Dahlias, Tuberous Rooted Begonias, Gladiolus, Gloxinias, Fancy Leaved Caladiums, Cannas, etc., etc.

Henry A. Dreer, Inc.,

714 Chestnut Street,
PHILADELPHIA, PA.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.
Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

Horticultural Tariff Schedules.

We are in receipt of a letter from McHutchison & Co., New York, calling attention to the fact that part of the proposed new tariff bill before congress does not correct certain well-known and annoying errors which occurred in the Payne-Aldrich tariff of 1909. Among these they mention the fact that in the old and in one section of the proposed new law one section rates greenhouse plants at 25 percent ad valorem and in another section rates greenhouse stock at 15 percent ad valorem, while the items are the same. The azalea tariff is not specific because while *A. Indica* is a greenhouse plant, all other varieties are nursery stock. They say, further, that the terms, "greenhouse stock" or "greenhouse plants" are too indefinite, many plants and shrubs which grow in the open air in the south being known as nursery stock while further north the same are known as greenhouse stock. One section rates seedlings of *Myrobalan* plum at \$1 per 1,000 and another rates *Myrobalan* duty free. The latter section should specifically state whether seeds, fruit, or seedlings are rated. One section rates evergreen shrubs and vines 15 percent and another rates evergreen and seedlings free, but places them under the classification of seeds. This was an error in the last tariff bill and should be corrected in the new one. The old section quoted seedlings of briar roses 3-year-old or less at \$1 per 1,000 with rose plants, own-root, 4 cents each. The principal briar rose in our commerce is the *Rosa rugosa*, a shrub grown from seed and sold as 2 or 3 years old. The tariff decision, made after much expense and three years of trouble to the importers, was that the *Rosa rugosa* is not a rose. The new tariff should be specific in including *Rosa rugosa* as a briar rose and dutiable at \$1 per 1,000, being sold as low as \$4 per 1,000. The new and the old tariff rate hyacinths as clumps instead of bulbs. This should be corrected. When the classification is not clear it opens a large avenue for fraud, the result being that the dishonest firm pays only half the duty the honest firm pays. Under the present tariff honest firms are paying 25 percent duty on evergreens grown by grafting or cuttings, while other firms are getting them in free as evergreen seedlings. The tariff should be specific as to what an evergreen seedling is. Messrs. McHutchison & Co. suggest new readings for Sections 219 and 220, but they omit the word peony entirely and omit the words *Germanica* and *Kemferi* as qualifying iris. Thus if the sections as proposed by them were used the very cheapest iris would have to pay one cent per bulb while peonies would be imported at a duty of 50 cents per 1,000.

No doubt the new schedules should be gone over very carefully by custom house officials and committees from the seed, nursery and florist trades.

Jackson & Perkins Company

NEWARK, NEW YORK

Wholesale growers for the trade—trees and plants of all kinds.

SEND FOR LIST.

EVERGREENS, HEDGES AND HARDY PHLOX

Are my specialties.

I grow these by the acre. Please get my prices and try some of my stock.

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DeKalb Nurseries NORRISTOWN, PA.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

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Chestnut Hill, PHILA., PA.

High Class New England Quality

Herbaceous Perennials, Evergreens and Deciduous Trees, Shrubs, Roses and Vines at Wholesale and Retail. Catalogues upon request.

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The Meredith Flower and Vegetable Co.

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—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin N. J. Williamstown Junc., N. J.

Field-Grown Perennials

Achillea Boule de Neige
Achillea The Pearl
Achillea Millefolium Roseum
Alyssum Saxatile Compactum
Asclepias Tuberosa
Bocconia Cordata
Boltonia Asteroides
Callirhoe Involucrata
Digitalis, Foxglove, mixed
Eupatorium Coelestinum
Erianthus Ravennae
Eulalia Gracilis Muvitata
Eulalia Zebrina
Funkia Lanceolata
Gypsophilla Paniculata
Gypsophilla Paniculata fl. pl.
new double
Meehan's Marvel Mallow, mixed
Hemerocallis Dumortieri
Hollyhocks, single mixed
German Iris, Mad. Chereau
German Iris, Stinophylla
German Iris, Albert Victor
Japan Iris, mixed

Siberian Iris, Orientalis Snow Queen
Iris Pseudo Acoris
Iberis Sempervirens
Lychnis Viscaria Splendens
Liatris Pycnostachya
Linum Perenne
Monarda, Cambridge Scarlet
Pyrethrum Hybridum
Physostegia Virginica
Platycodon Grandiflora
Pink, Hardy Garden, Her Majesty
Penstemon Barbatus Torreyii
Perennial Pea, red, white and pink
Phlox Subulata, white
Phlox Subulata, Nelson Pink
Phlox Subulata, Nelson White
Rudbeckia, Golden Glow
Rudbeckia Sub Tomentosa
Rudbeckia Maxima
Shasta Daisies, improved
Salvia Azurea Grand
Veronica Elegantissima

Prices Reasonable.

MARTIN KOHANKIE, Painesville, O.

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Wholesale Growers of Nursery Stock

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BE to announce that their Mr. K. Van Kleef is again in America calling on the trade. Please ask our prices before placing your esteemed Import Orders elsewhere; they will certainly interest you.

Address all Correspondence Until June 1st

% MALTUS & WARE, 14 Stone Street, NEW YORK
CATALOGUES FREE FOR THE ASKING.

WITTBOLD'S WHOLESALE PRICE LIST OF BOXWOODS AND PALMS

Special on Made-up Kentias.

WE have an exceptionally large stock of 6 and 7 inch *Kentia Forsteriana*, 3 plants in a pot. The 6-inch are 18 to 22 inches above pot, on which we make a special price of \$1.00 each or \$12.00 per doz. The 7-inch are 28 to 32 inches; also 3 in a pot, special \$1.50 each, \$18.00 per dozen. Remember these are nice bushy plants and just what you need for decorating.



List of Boxwoods

Pyramids—

	Each	Size	Leaves	Ht.	Each	Doz.	Per 100
2 to 2½ feet.....	\$1.25	2-in.	4	8-10-in.		\$1.50	\$12.00
2½ to 3 feet.....	1.75	3-in.	4-5	12-14-in.		2.00	15.00
3 to 3½ feet.....	2.50	4-in.	4-5	14-16-in.		4.50	35.00
3½ to 4 feet.....	3.00	5-in.	5-6	16-18-in.		6.00	50.00
4 to 4½ feet.....	4.25	5-in. strong.	5-6	20-24-in.	\$.75	9.00	
4½ to 5 feet.....	5.00	7-in.	5-6	36-38-in.	2.50		
5 to 6 feet.....	6.00	7-in. strong.	5-6	36-40-in.	3.00		
		8-in.	5-6	40-44-in.	5.00		
		8-in. strong.	5-6	46-50-in.	7.00		
		9-in.	6-7	60-in.	8.00		
		Specimens.	6-ft. high.....		9.00		
		Specimens.	7 ft. 6-in. high		15.00		

Globular—

2 feet.....	\$1.25 to \$2.50
-------------	------------------

Standards—

15 to 18-in.....	\$2.25
18 to 21-in.....	2.75
21 to 24-in.....	3.50
24 to 30 inch bushes.....	1.50
30 to 36-inch bushes.....	2.50

Globe—

2½ feet.....	\$2.50
--------------	--------

KENTIA BELMOREANA

Size	Leaves	Ht.	Each	Doz.	Per 100
2-in.	4	8-in.	\$1.50	\$12.00	
3-in.	4-5	8-10-in.	2.00	15.00	
4-in.	4-5	12-in.	3.60	30.00	
5-in. strong.	4-5	12-15-in.	4.50	35.00	
5-in.	5-6	15-18-in.	6.00	50.00	
6-in. strong.	5-6	18-20-in.	\$.75	9.00	
6-in.	6-7	20-22-in.	1.00	12.00	
7-in. strong.	6-7	22-24-in.	1.50	18.00	
7-in.	6-7	26-28-in.	2.00	24.00	
8-in. strong.	6-7	28-30-in.	2.50	30.00	
8-in.	7-8	40-45-in.	5.50		
9-in.	7-8	48-50-in.	8.00		
9-in. strong.	7-8	50-54-in.	10.00		
Made up 7 leaves, 3 in a pot. 28-30-in. high.....			2.50		

KENTIA FORSTERIANA.

Size	Leaves	Ht.	Each	Doz.	Per 100
2-in.	4	8-10-in.	\$1.50	\$12.00	
3-in.	4-5	12-14-in.	2.00	15.00	
4-in.	4-5	14-16-in.	4.50	35.00	
5-in.	5-6	16-18-in.	6.00	50.00	
5-in. strong.	5-6	20-24-in.	\$.75	9.00	
7-in.	5-6	36-38-in.	2.50		
7-in. strong.	5-6	36-40-in.	3.00		
8-in.	5-6	40-44-in.	5.00		
8-in. strong.	5-6	46-50-in.	7.00		
9-in.	6-7	60-in.	8.00		
Specimens.	6-ft. high.....		9.00		
Specimens.	7 ft. 6-in. high		15.00		

Made Up.

Each	Doz.	Per 100
6-in., 3 in a pot. 18-22-in. high.	\$ 1.00 and \$1.50	
7-in., 3-4 in a pot. 24-30-in. high	2.50	
8-in., 3-4 in a pot. 40-45-in. high	6.00	
9-in., 3-5 in a pot. 50-54-in. high	8.00	
10-in., 4-5 in a pot. 58-60-in. high.	10.00	
12-in., 4-5 in a pot. 62-70-in. high.	15.00	
Specimens. 6½ ft. high. 4 in a tub.	Each. \$18.00	
Specimens. 7½ ft. high. 4 in a tub.	Each. 25.00	

PHOENIX RECLINATA

Each	Doz.	Per 100
5-in.....	\$5.00	\$40.00
6-in.....	\$0.75	9.00
7-in., 24 in. high.....		12.00

PHOENIX ROEBELII

Each	Doz.	Per 100
2½-in.....	\$2.00	\$15.00
3-in.....	3.00	
4-in.....	.50	6.00
6-in.....		12.00
6-in. strong.....		18.00
7-in.....	\$2.50 & \$3.00	
Specimens.	7 in. extra strong	4.00 each.
	8 in. extra strong	5.00 each.

You Should Stock up NOW for Spring Sales.

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Large flowering, Pompons, Single and Anemone flowered. Best varieties for bush form pot plants. Strong plants from 2½-in. pots, \$3.00 per 100.

Cash with Order.

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2500 BERBERIS, (Thunbergii)

2 FEET HIGH

Bourdet Floral Co.
ST. LOUIS, MO.

ROSE PLANTS, 2½-in. pots

	Per 100	Per 1000		Per 100	Per 1000
American Beauties.....	\$5.00	\$45.00	Melody.....	\$4.00	\$35.00
White Killarneys.....	4.00	35.00	Richmonds.....	3.00	25.00
Pink Killarneys.....	4.00	35.00			

TWO YEAR OLD BENCH PLANTS—GOOD STOCK

American Beauties, \$6.00 per 100; \$55.00 per 1000. White Killarney, Pink Killarney, Richmond Sunrise, \$4.00 per 100; \$35.00 per 1000.

PETER REINBERG,

30 E. Randolph St..

CHICAGO.

Primula Obconica, strong plants, in bud and bloom. 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong. 2½-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and *Sprengeri*, strong. 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT. Bristol, Pa.

Robert Craig Co...

High Class **PALMS**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

NO DAMAGE BY HIGH FLOOD.

¶ This is to notify the Trade that all Springfield came through the flood without any damage whatever. Our greenhouses are full of plants and we are ready and anxious for business and will ask our patrons to continue their liberal trade as in the past, for which we will be duly thankful.

THE GOOD & REESE COMPANY,

The Largest Rose Growers in the World

SPRINGFIELD, : : OHIO.

ROSES

Best new and Standard sorts, prime stock, including—

	2½-inch.	4-in.
Doz.	100	100
American Beauty.....	\$0.50	\$3.00
Blumenschmidt.....	.50	3.00
Bon Silene.....	.50	3.00
Bougere.....	.50	3.00
Duchesse de Brabant.....	.50	3.00
Etoile de Lyon.....	.50	3.00
Freiherr van Marschall.....	.50	3.50
Lady Hillingdon.....	.50	3.00
Mlle. Franzisca Kruger.....	.50	3.00
Maman Cochet.....	.50	3.00
Marie Van Houtte.....	.50	3.00
Mrs. Ben. R. Cant.....	.50	3.00
Safrano.....	.50	3.00
Snowflake.....	.50	3.00
White Bougere.....	.50	3.00
White Maman Cochet.....	.50	3.00
William R. Smith.....	.50	3.50
Louis Philippe Bengal.....	.50	3.00
Queen's Scarlet.....	.50	3.00
Mignonette.....	.50	3.00
Pink Souper.....	.50	3.00
Anny Muller.....	.50	3.00
Jeanne d'Arc.....	.50	3.50
Mrs. Taft.....	.60	3.50
Orleans.....	.60	3.50
Phyllis.....	.60	3.50
Bessie Brown.....	.60	3.50
Mme. Abel Chatenay.....	.60	3.50
Mme. Jenny Guillemot.....	.60	3.50
Rena Robbins.....	.85	6.00
Ball of Snow.....	.50	3.50
Frau K. Druschki.....	.75	5.00
Hugh Dickson.....	.75	5.00
J. B. Clarke.....	.75	5.00
Gen. Jacqueminot.....	.75	5.00
Paul Neyron.....	.75	5.00
New Century.....	.60	4.50
Sir Thos. Lipton.....	.60	4.50
Cl'g Souper.....	.50	3.00
Dor. Perkins.....	.50	3.00
Excelsa.....	.75	5.00
Graf Zeppelin.....	.70	4.00
Lady Gay.....	.50	3.00
Phil'a Cr. Rambler.....	.50	3.00
Tausendschoen.....	.50	3.00
White Dorothy.....	.50	3.50
Wichuraiana.....	.50	3.50
Mary Washington.....	.50	3.00
Marechal Niel.....	.60	3.50

Select Stock for Spring

The best lot of stock in this line we have ever seen. Every live florist and landscape man can make good use of the following subjects, and we are sure there is no better quality in the country:

- Azalea Mollis**, 15 to 18-in., bushy and full of buds.....\$ 3.50 per 10, \$ 30.00 per 100
- Ghent** (Pontical). Named sorts, full of buds, 18 to 24-in..... 4.50 per 10, 40.00 per 100
- Rhododendrons**, 18 to 24-in., 8 to 12 buds, very fine..... 7.50 per 10, 70.00 per 100
- 24 to 30-in., 12 to 14 buds, very fine..... 10.00 per 10, 90.00 per 100
- 30 to 36-in., 14 to 16 buds, very fine..... 15.00 per 10, 125.00 per 100
- 24 in., seedlings, bushy, well budded plants..... 6.50 per 10, 60.00 per 100
- Tree Roses**, all hardy varieties, budded on straight stout stems..... 3.50 per 10, 30.00 per 100
- Boxwood**, a magnificent spring importation on hand, clean bright stock and grand values for the money.
- Pyramidal**, 36-in. high, at \$1.75 each; 42-in. high, at \$2.25 each; 48-in. high, at \$3.00 each; 54-in. high, at \$4.00 each.
- Globe Form**, perfect globes, 18 by 18 inches, \$3.00 each.
- Bush Form**, very broad, heavy plants, 12-in. high, \$3.00 per 10, \$25.00 per 100; 18-in. high, 50c each, \$4.50 per 10; 24-in. high, \$1.25 each, \$10.00 per 10; 30 in. high, \$1.50 each, very broad, 36-in. high, \$2.00 each, very broad.
- Aristolochia Siphon**, Dutchman's Pipe, heavy vines, 4-ft. top, \$25.00 per 100.
- Hybrid Tea Roses**, strong 2-yr., field grown dormant plants—Betty, fine pink, \$17.50 per 100; Gen. McArthur, Grus An. Teplitz, Hermosa, Kaiserin Augusta, Victoria, La France, Mad. Jules Grolez (deep pink) Maman Cochet, Mad. Caroline Testout, White Maman Cochet, at \$15.00 per 100; Prince de Bulgarie, \$17.50 per 100.
- NEW BABY RAMBLER ROSES**, 2-yr., field grown—
- Erna Teschendorff**, the best red yet introduced, more petals than the original Baby Rambler, a deeper, brighter red and does not fade, \$4.00 per dozen, \$30.00 per 100.
- Orleans**, light Geranium red, opening to a bright rose color. Very free bloomer and compact shapely plant for pots, \$2.50 per dozen, \$18.00 per 100.
- CLIMBING ROSES**, 2-yr., field grown—
- Dorothy Perkins**.....\$12.00 per 100
- Farquhar**..... 25.00 per 100
- Tausendschoen**..... 15.00 per 100
- Violet Blue**..... 10.00 per 100
- Yellow Rambler**..... 10.00 per 100
- Flower of Fairfield**.....\$20.00 per 100
- Hiawatha**..... 12.00 per 100
- Trier**..... 12.00 per 100
- White Dorothy**..... 12.00 per 100

The Storrs & Harrison Co., Painesville, Ohio

Mention the American Florist when writing

Dracaenas

They are free from brown tips. A trial order will convince you of their quality.

6 in. 40 in. high, 40 or more leaves,	\$30.00 per 100
5 in. " " " " " "	25.00 per 100
4 in. " " " " " "	15.00 per 100
Asparagus Hatcherii, 2½-in.	5.00 per 100
" " " " " "	12.00 per 100
" " " " " "	6.00 per 1000

Send for list of Mums and Pompons. They are sure to please.

West Main Greenhouses
CORFU, N. Y.

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

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KENTIAS.

Joseph Heacock Co.,

Wyncote, Pa.

See Price List of Last Week
Mention the American Florist when writing

Best Grafted Rose Stock

Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000; \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill. Killarney Queen, \$15.00 per 100; \$120.00 per 1000.

BEST OWN ROOT STOCK

Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6.00 per 100, \$55.00 per 1,000. Richmond, 2½-in., \$5.00 per 100; \$45.00 per 1,000. The above is All select stock and a big bargain at prices quoted.

Best Chrysanthemum Cuttings

Finest Two Yellow and Pink Commercial Varieties Now Grown.

YELLOW				PINK			
	R. C. per 100	per 1000	2½-in. per 100		R. C. per 100	per 1000	2½-in. per 100
Comoleta,	\$3.00	\$25.00	\$4.00	\$35.00	Patty,	\$3.00	\$25.00
Best Early Yellow, Blooms September 27.				Beautiful Enchantress Pink, fine strong grower, (3½-in., per 100, \$5.00).			
Chrysolora,	\$5.00	\$40.00	\$6.50	\$60.00	Unaka,	\$4.00	\$35.00
Best Yellow Money Maker, blooms October 5 to 10.				Earliest Pink, first week of October.			

WHITE				YELLOW				PINK			
	R. C. per 100	per 1000	2½-in. per 100		R. C. per 100	per 1000	2½-in. per 100		R. C. per 100	per 1000	2½-in. per 100
Smith's Advance,	\$2.50	\$20.00	\$3.00	\$25.00	Golden Glow.....	3.00	25.00	4.00	35.00	McNiece.....	2.50
Best Early White				Halliday.....				Maud Dean.....			
October Frost.....	2.50	20.00	3.00	25.00	Col. Appleton.....	2.50	20.00	3.00	25.00	Dr. Enguehard.....	2.50
Vir. Poehlmann.....	3.00	25.00	4.00	35.00	Major Bonaffon.....	2.50	20.00	3.00	25.00	RED	
Alice Byron.....	2.50	20.00	3.00	25.00	Immense stock, still one of the best.				Schrimpton.....	2.50	20.00
Timothy Eaton.....	2.50	20.00	3.00	25.00	Yellow Eaton.....	2.50	20.00	3.00	25.00	BRONZE	
W. H. Chadwick.....	3.00	25.00	4.00	35.00	Golden Chadwick.....	3.00	27.50	4.00	35.00	O. H. Kahn.....	4.00
					Best late yellow.				We can supply large quantities of the above		

POMPONS—Large stock of the leading commercial varieties. 2½-in., per 100, \$4.00
List of Varieties Upon Application.

Poehlmann Bros. Co.

Morton Grove, Illinois.

SEASONABLE PLANTS

Plants from 2½ inch pots \$3.00 per 100.

Asparagus Plumosus and Sprenger; Ageratum, blue; Allyssum, Little Gem; Parlor Ivy; Euonymus, Radicans var.; Euonymus, golden var.; Geraniums, Mad. Salleri; Heliotrope, dark blue; Hydrangea Otaksa; Moonvine, large fl. white; Salvia, Bonbre; Santolina, dusty Miller; Snapdragon, white and pink; Swainsona Alba; Verbenas, pink, white and scarlet.

Plants from 3 inch pots \$4.00 per 100.

Ivy, hardy English; Fuchsia, early fl.; Plumbago, white.

Myrtle Plants, the real bridal Myrtle, 4 in. pots, \$1.50 per dozen; 3 in. pots, \$1.00 per dozen.

Dracaena Indivisa, 4 inch pots, 10c each; 5 inch pots, 20c each; 6 inch pots, 25c each.

Kentia Belmoreana, 3 in. pots, 3 leaves, \$1.00 per doz.

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11th and Westmoreland Streets
PHILADELPHIA, PA.

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DAHLIAS

Standard and New Cut Flower Varieties

Lindhurst Farm

Hammonton, N. J.

Spring-Flowering Bulbs.

CALADIUMS

With live center shoot

	Doz.	100
7-9 inch.....	50	3.50

GLADIOLI

First size bulbs

	100	1000
America, pink.....	\$3.00	\$25.00
Francis King, scarlet.....	2.00	18.00
Light and White florists' mixture.....	1.75	15.00

TUBEROUS ROOTED BEGONIAS

Strong Bulbs, Mixed Color.....	\$2.50 per 100
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SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
New York

Mention the American Florist when writing

The New Double Marguerite MRS. F. SANDER

It's a good spring and summer proposition and will keep you supplied with plenty of cut flowers at a time when all other flowers are scarce.

2-in. pots \$2.00 per 100, \$15.00 per 1000.

ELMER RAWLINGS,
Wholesale Florist, OLEAN, N. Y.

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Most Beautiful Stock of Pyramid Boxwood

2 ft.	\$1.00 each
2½ to 3 ft.	1.75 each
3 to 3½ ft.	2.50 each
3½ to 4 ft.	3.50 each
4 to 4½ ft.	4.50 each
Globe Shape, 24-inch head	4.00 each
Standard Stem, 24-inch head	4.00 each
Bush Shape, 2 ft.	4.50 each

Gladiolus Augusta

\$2.00 per 100, 1st size; \$17.50 per 1000

AMERICA.....\$2.50 per 100, 1st size; \$22.00 per 1000
MRS. FRANCIS KING.....2.50 per 100, 1st size; 22.00 per 1000

F. O. Franzen, 1476 Summerdale Ave.,
CHICAGO, ILL.

CHRYSANTHEMUMS

ROOTED CUTTINGS

Chrysalcra, \$3.00 per 100; \$25.00 per 1000. 500 at 1000 rate. Also the following at \$2.00 per 100; \$15.00 per 1000, cash: Yellow, Donatello, Appleton, Golden Wedding, Golden Glow, Yellow Bonnafon, White Oct. Frost, Touset, White Eaton, Robinson, Roseire, Polly Rose, Buckbee, White Bonnafon, Pink Enguehard. All above Rooted Cuttings. Fine Healthy Stock.

JOY FLORAL COMPANY,
NASHVILLE, TENN.

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ROOTED CUTTINGS.

	Per 100.	Per 100
Verbenas.....	\$0.70	\$ 6.00
Ageratums.....	.60	5.00
Heliotrope, Daisies, Salvias..	1.00	8.00
Feverfew, Petunias.....	1.25	10.00
Coleus.....	.70	6.00
Alyssum, Double.....	1.00	8.00
Cash with orders. Express Paid.	Write	

S. D. Brant, Clay Center, Kans.

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PANSIES

Best Field Grown Plants.

IN BUD AND BLOOM.

Try these choice plants. \$1.25 per 100;
\$10.00 per 1000.

J. L. MORGAN PANSY GARDENS,
Unionville, Lake Co., Ohio.

Mention the American Florist when writing

Boston Ferns, 2½ in., \$3.00 per 100;
\$30.00 per 1000.

Roosevelt Ferns, 2½ in., \$5.00 per 100;
\$40.00 per 1000.

Whitmani Compacta, 2½ in., \$5.00 per
100; \$40.00 per 1000.

250 at 1000 rates.

HENRY H. BARROWS & SON, WHITMAN,
MASS.

Mention the American Florist when writing

40,000 Grafted and Own Root Rose Plants

Grafted Stock: Richmond, White Killarney, Pink Killarney, Kaiserin, 2¼-in pots. Price, \$10.00 per 100; \$100 per 1000. Ready NOW.
3¾-inch pots, \$15.00 per 100; \$145.00 per 1000. Ready last of April.

Own-Root Stock: My Maryland, Pink Killarney, White Killarney, Richmond, Kaiserin, Perles. 2¼-in. pots. Price \$5.00 per 100; \$45.50 per 1000. Ready in April. 3 in. pots. Price \$7.00 per 100; \$60.00 per 1000. Ready in May.

CARNATION CUTTINGS: Price, \$3.00 per 100. 2¼-in. pots, \$6.00 per 1000.

J. L. DILLON,
BLOOMSBURG, PA.

GERANIUMS.

	Per 100
NUTT and four other varieties, 3-in. pots.....	\$ 4 00
NUTT and POITEVINE , 4-in. pots.....	6 00
ALTERNANTHERA , red and yellow, 2¼-in. pots.....	2 00
VERBENAS , 2¼-in. pots.....	2 00
PANSY , plants in bloom.....	1 50
VINCAS VAR. , 4-in. pots, May 1	10 00
ASP. PLUMOSUS , 2¼-in. pots.....	2 00
CASH.	

COLEUS.

	Per 100
10 varieties, my selection, 2¼-in. pots.....	\$ 2 00
CANNAS , 8 varieties, 3x4-in. pots.....	4 00
CANNAS , K. Humbert, 3x4-in. pots.....	7 00
PETUNIAS , double, 2½-in. pots.....	3 00
“ from double seed...	2 50
SALVIAS , May 1st.....	2 50
ASP. SPRENGERI , May 10.....	2 00

JOS. H. CUNNINGHAM, Delaware, Ohio

NOW is the time to make up your planting list of

Chrysanthemums

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Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana				
Pot	Leaves	In. high.	Each	Doz.
2½-in.	4	8 to 10.		\$ 1 50
5-in.	6 to 7	18.	50	6 00
6-in.	6 to 7	24.	1 00	12 00
6-in.	6 to 7	26.	1 25	15 00
6-in.	6 to 7	28 to 30.	1 50	18 00
Cedar Tub Leaves				
Pot	Leaves	In. high.	Each	Doz.
7-in.	6 to 7	34 to 36.	2 50	30 00
9-in.	6 to 7	40 to 45.	4 00	48 00
Cedar tub				
Pot	Leaves	In. high.	Each	Doz.
9-in.	6 to 7	42 to 48.	5 00	
9-in.	6 to 7	48 to 54.	6 00	
9-in.	6 to 7	5 ft.	8 00	
9-in.	6 to 7	6 to 7 ft.	10 00	

Kentia Forsteriana—Made up				
Cedar tub	Plants	In. high	Each	Doz.
7-in.	4	36.	2 50	30 00
9-in.	4	40 to 42.	4 00	48 00
12-in.	4	60 to 66.	12 50	
12-in.	4	66 to 72.	15 00	
Phoenix Roebelenii				
Pot	Leaves	In. high	Each	Doz.
5-in., nicely characterized.			\$1 00	
6-in., 18 to 20-in. spread.			1 50	
Cibotium Scheidel				
Pot	Leaves	In. high	Each	Doz.
7-in.		18-in.	\$2 00	
Spread				
7-in. pot, 2 to 2½ feet.			\$2 00	
9-in. tub, 4 feet.			4 00	
12-in. tub, 6 to 8 feet.			8 00	

We are growing all our Kentias above 6-inch size in neat **Cedar Tubs**, made especially for us, with electric wire hoops, and painted **green**. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The **buyer** has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

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Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

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Duke of Marlboro, 3 to 4 feet.....	3.00
Giant Crimson, 4½ feet.....	3.00
Patrie, 4 feet.....	3.00
Pennsylvania, 6 feet.....	4.00
Philadelphia, 3 feet.....	3.00
Triumph, 3 feet.....	3.00

PINKS	Per 100
Louise, 5 feet.....	3.00
Luray, 4 feet.....	3.00
Mlle. Berat, 4 feet.....	3.00
Wawa, 3 feet.....	6.00
West Grove, 4½ feet.....	4.00

YELLOW AND ORANGE	Per 100
California, 3 to 4 feet.....	3.00
Wyoming, 7 feet.....	3.00

VARIETATED	Per 100
Burbank, 4½ feet.....	3.00
Comte de Bouchard, 4½ feet.....	3.00
Elizabeth Hoss, 3½ feet.....	3.00
Italia, 4 feet.....	3.00

BRONZED LEAVED RED	Per 100
Mrs. Geo. A. Stroblein, 6 feet.....	2.00

THE CONARD & JONES COMPANY, West Grove, Pa.

Cannas, 8 vars. 3x4-in. pots, \$4 per 100. King Humbert, 3x4-in. pots, \$7 per 100. Jos. H. Cunningham, Delaware, O.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

CAPE JASMINES.

Cape Jasmine. Remember you will get your orders filled if you order buds from The Texas Coast Jasmine Farms. Watch for our large ad. later. R. W. Woodward, Mgr., Alvin, Texas.

CARNATIONS.

ROOTED CARNATION CUTTINGS. 150,000 in the following varieties ready for immediate deliveries:

	Per 100	Per 1,000
The Herald, scarlet.....	\$12.00	\$100.00
Chloris, medium pink.....	4.00	35.00
White Wonder, pure white.....	3.00	25.00
White Enchantress.....	2.00	20.00
White Perfection.....	3.00	25.00
Enchantress, flesh pink.....	3.00	25.00
Princess Charming, flesh pink.....	3.00	25.00
May day, deep flesh.....	3.00	25.00
Rose Pink Enchantress.....	3.00	25.00
Washington, dark pink.....	3.00	25.00
(Sport of Enchantress)		
Victory, scarlet.....	3.00	25.00
Scarlet Glow, scarlet.....	3.00	25.00
Bonfire, scarlet.....	3.00	25.00
Beacon, scarlet.....	3.00	25.00

CHICAGO CARNATION CO., 30 E. Randolph Street, Chicago, Ill.

Carnation cuttings for immediate delivery. Extra strong plants from soil. Enchantress and White Enchantress, \$3 per 100; \$25 per 1,000. Write for prices on the following varieties from sand: Wodeneth, White Wonder, White Enchantress, Enchantress, Beacon, and Rose Pink Enchantress. J. D. Thompson Carnation Co., Joliet, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1,000
Enchantress	2.00	18.00
White Enchantress	2.00	20.00
Princess Charming	2.00	20.00
White Lawson	1.50	12.50
White Perfection	2.00	18.00
Victory	1.50	12.50
Boufire (finest red)	3.00	25.00

WIETOR BROS.

162 N. Wabash Ave., Chicago, Ill.
Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Dailledouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

For immediate shipment, strong guaranteed cuttings that will produce fancy stock. White Perfection, Enchantress, \$20 per 1,000. White Enchantress, \$25 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Carnations, Champion, \$12 per 100; \$100 per 1,000; 2,500 for \$237.50; 5,000 for \$450. Yellowstone and Yellow Prince, \$6 per 50; \$10 per 100; \$80 per 1,000; \$178.50 per 2,500; \$350 per 5,000. F. Dörner & Sons Co., La Fayette, Ind.

Carnation cuttings, \$3 per 100; 2½-in., 6 per 100. J. L. Dillon, Bloomsburg, Pa.

Carnations, chrysanthemums, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

ROOTED CUTTINGS—READY NOW.

	\$1.50 per 100; \$12.50 per 1,000.
Oct. Frost,	Monrovia,
Early Snow,	Halliday,
Geo. S. Kolb,	Appleton,
C. Touse,	Major Bonaffon,
F. Pullman,	Golden Wedding,
White Cloud,	J. K. Shaw,
Mrs. Buckbee,	Maud Dean,
Des Jonis,	Jeanne Rosette,
Queen,	
Silver Wedding,	Admiral Schley,
Clay Frick,	Cullingfordii,
Nellie Pocket,	Champaign,
Lynwood Hall,	W. R. Church,
White Bonaffon,	L'Africaine,
Yanoma,	
Early Yellow,	
Director Gerard,	

MEMPHIS FLORAL CO.,

MEMPHIS.

TENN.

FOR SALE—Chrysanthemums, Smith's Advance, Pacific Supreme, \$1.50 per 100; \$12 per 1,000. Rooted cuttings; Vinca variegata, 500, 2-in., \$8. Mme. Sallerol geraniums, \$500, 2-in., \$8. D. W. Leatherman, Anderson, Ind.

Chrysanthemum plants, all the commercial standard sorts, \$3 per 100; \$25 per 1,000. Chrysolora and Roman Gold, \$4 per 100; \$35 per 1,000. The E. G. Hill Co., Richmond, Ind.

Chrysanthemums, Alice Byron, Eguehard, Golden Glow, Nounin, Major Bonaffon, Maud Dean, V. Pullman, \$15 per 1,000. Shepard's Garden Carnation Co., 292 Fairmount St., Lowell, Mass.

Chrysanthemums, rooted cuttings and 2½-in. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, rooted cuttings, Jeanne Nounin, Nagoya, Pacific Supreme, Major Bonaffon, \$1 per 100. Chas. Razer, best white, \$1.50 per 100. Edward Wallis, Berlin, N. J.

Chrysanthemums, all the money making varieties. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, rooted cuttings, Erie Floral Co., Erie, Pa.

CLEMATIS.

Clematis, blue and white, 2-year, 40c each; \$3.50 per doz.; 2-year paniculata, 35c each; \$3 per doz. Geo. A. Kuhl, Pekin, Ill.

Clematis, W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, 2½-in., Verschaffeltii and Golden Bedder, 50c per doz.; \$3 per 100. Anna Pötzer and John Pötzer, 50c doz.; \$3 per 100; Black Prince, 75c per doz.; \$5 per 100. Vaughan's Seed Store, Chicago and New York.

Coleus, April 28, red, yellow and assorted, \$6 per 1,000; 2½-in. pots, \$2 per 100. A. M. Herr, Lancaster, Pa.

Coleus, 10 vars., 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, Verschaffeltii and G. Bedder, 60c per 100. The Erie Floral Co., Erie, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEUM, finest strain in existence, including GLORY OF WANDSBEK, finest salmonium, orchid flowering, Rococo; strong transplanted seedlings, \$3.00 100; \$25.00 1,000. Cash, please.

Rober & Radke, Maywood, Ill.

Cyclamen giganteum, choicest mixture, 3-in., \$5 per 100. Cash. John Bauscher, Freeport, Ill.

DAHLIAS.

Dahlias, 100,000 field-clumps; 100 varieties of cream. Get list. Benj. Connell, Florist, Merchantville, N. J.

Dahlias, standard and new cut flower varieties. Lindhurst Farm, Hammonton, N. J.

DAISIES.

Daisies, yellow, 3-in., \$4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

DRACAENAS.

Dracena, Linden and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz. Vaughan's Seed Store, Chicago and New York.

Dracena Ind., fine stock, big plants, 3-in., \$5; 4-in., \$8; 5-in., \$15 per 100; 6-in., 25c each. Cash. J. W. Miller, Shiremanstown, Pa.

Dracenas, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dracena indivisa, fine large 3-in., \$5 per 100; 4-in., \$8 per 100. Cash. John Bauscher, Freeport, Ill.

Dracena massangeana, 6-in., \$1 and \$1.75 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

FERNS.

Scotti, 2½-in., \$4 per 100; Scholzelii, \$4 per 100; \$35 per 1,000. Boston, \$4 per 100; \$35 per 1,000.

DWARF FERNS FOR FERN DISHES. These dwarf ferns are used by the hundreds of thousands to fill dishes for table decorations. Our sales each year exceed fifty thousand plants. Our stock is in prime condition, ready to use at once. We offer 9 choice varieties, Pteris Cretica, Albolineata, Vitoria, Wilsoni, Mayll, Pteris Multiceps, Aspidium Tsusimense, Sieboldii, Whitmetti, Cyrtomium Falcatum or Holly Fern. Price 50c per doz.; \$3.50 per 100; \$30 per 1,000. Our new catalog giving prices on ferns, roses and all other plants ready now. Write for it today.

THE GOOD & REESE CO.

Largest Rose Growers in the World.
Box 18. Springfield, Ohio.

Ferns, Boston, 2½-in., \$3 per 100; \$30 per 1,000. Roosevelt, 2½-in., \$5 per 100; \$40 per 1,000. Whitman Compacta, 2½-in., \$5 per 100; \$40 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns for dishes, 2-in. assorted, to clean out, \$2.50 per 100; \$20 per 1,000. Transplanted seedlings, \$1 per 100; \$9 per 1,000. Rober & Radke, Maywood, Ill.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Table ferns, 10 vars., 2½-in., \$3 per 100; \$25 per 1,000; 3-in., strong, \$6 per 100; \$55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

15,000 handsome Whitman ferns, well rooted runners from bench, \$2 per 100. Cash. E. F. Rose, Taunton, Mass.

BOSTON FERNS, 2½-in., bushy plants, ready to shift, \$3.50 per 100. Cash. JOHN BAUSCHER, JR., Freeport, Ill.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus pandurata, 6-in., \$3.50 each. Elastica, 6-in., 75c to \$1 each. Poehlmann Bros. Co., Morton Grove, Ill.

GARDENIAS.

GARDENIA VEITCHII, 3, 4 and 5-in. pots; this is the real winter flowering variety, \$4 \$5 and \$6 per doz.; \$25, \$35 and \$50 per 100. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

GERANIUMS.

5,000 Nutt 2,000 La Favorite, 2½-in., extra strong cool grown stock, ready for 3½-in. or 4-in. pots, would make fine stock for Memorial Day. Sample on request, \$2 per 100; \$18 per 1,000, properly packed. Cash please. D. E. Adsit, Jamestown, Ohio.

Geraniums, Mme. Sallerol, 2-in., \$2 per 100; \$18 per 1,000. Other varieties all sold till end of April. Rober & Radke, Maywood, Ill.

GERANIUMS.

Good, healthy, fall-rooted plants from 2½-in. pots at \$3 per 100; \$27.50 per 1,000, except where noted; Beaute Poitevine, Marquis de Castellane, S. A. Nutt, Jean Viaud, La Favorite, A. Ricard, Mme. Landry, Mrs. E. G. Hill, Heteranthus, M. Jaulin, Red Wing (6c each). Our new catalog of everything you need mailed upon application. Write for it today.

THE GOOD & REESE CO.

Largest Rose Growers in the World.
Box 18. Springfield, Ohio.

NEW AMERICAN BEAUTY.

FOR THE FIRST TIME WE ARE OFFERING THIS WONDERFUL NEW GERANIUM TO OUR MANY CUSTOMERS. WRITE FOR COLORED CUT AND PRICES ON LARGE LOTS. 2½-IN. POTS, 50c EACH; \$5 PER DOZ. CASH.

JOHN BAUSCHER.

104 CHICAGO ST. FREEPORT, ILL.

Geraniums, strong, stocky plants in bud and bloom; S. A. Nutt, Ricard, Beante Poitevine, White Buchner, 4-in., 7c and 8c; 3½-in., 6c; good stock guaranteed. Cash with order. Gus Schlegel, Olney, Ill.

Geraniums, Nutt and four varieties, 3-in., \$4 per 100. Nutt and Poitevine, 4-in., \$6 per 100. Jos. H. Cunningham, Delaware, O.

50,000 S. A. NUTT.

FOR IMMEDIATE DELIVERY. Extra strong top cuttings, well rooted, \$10 per 1,000. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, 2-in., strong, sturdy plants, \$20 per 1,000. Cash with order. M. C. Gunterberg, 82 East Randolph St., Chicago.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geranium Scarlet Bedder, \$1.50 per ten; \$12.50 per 100; \$100 per 1,000. Elmer D. Smith & Co., Adrian, Mich.

Mrs. Loyal (pansy geranium) 2½-in., 85c per doz.; \$6 per 100. Vaughan's Seed Store, Chicago and New York.

Geraniums, May 5 and after, \$10 per 1,000 for Nutt and Poitevine; \$12.50 for Ricard. A. M. Herr, Lancaster, Pa.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut-Flower Exchange, 38-40 Broadway, Detroit, Mich.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Fancy ferns, \$1.50 per 1,000. Robert Groves, Adams, Mass.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

HOLLYHOCKS.

DOUBLE HOLLYHOCKS, separate colors, strong field plants, 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

HYDRANGEAS.

HYDRANGEAS.

The New French Forcing Hydrangeas: AVALANCHE—A splendid large white. This will absolutely supersede Thomas Hogg; 3-inch pots, \$6 per 100.

LA LORRAINE—Pale rose changing to bright cerise pink, claimed by many to be the best of all; 3-inch pots, \$10 per 100.

REMEMBER now is the time to buy these hydrangeas and grow them along for another year. This fall we will offer all of Lemoine's and Mouillere's novelties in hydrangeas, including E. G. Hill, the Gem of them all. The great blooming qualities of these hydrangeas are their talking points. You may have in a four-inch pot, three to five immense heads of blooms. You will never grow the old varieties again after you become acquainted with these new ones. Write today for our catalogue of everything you need in the Rose and Plant Line.

THE GOOD & REESE COMPANY.

The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

Hydrangeas, 50c, 75c and \$1. Hardy hydrangeas, four year plants, 50c each; \$5 per doz. Geo. A. Kuhl, Pekin, Ill.

Hydrangea Otaksa, field-grown, 3 to 10 shoots, 10c to 35c. The Erie Floral Co., Erie, Pa.

Hydrangeas Otaksa, 2½-in., 3c. Rober & Radke, Maywood, Ill.

IRIS.

JAPANESE IRIS, mixed, strong field plants, 500 for \$15; 1,000 for \$25. Jackson & Perkins Company, Newark, New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

IVIES**ENGLISH IVY.**

Fine plants from 2 1/4-in. pots, \$3.50 per 100; \$30 per 1,000. Write today for our catalogue of all plants and roses.

THE GOOD & REESE COMPANY,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

English ivy, 4 ft., 4-in. pots, \$15 per 100; 4 1/2-in., \$20. Bobbink & Atkins, Rutherford, N. J.

Ivy, English, 3-in., \$4 per 100. C. Elsiele, 11th and Westmoreland Sts., Philadelphia.

English ivy, R. C., 75c per 100; prepaid. Chas. Frost, Kenilworth, N. J.

LILY OF THE VALLEY.**To Import.**

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the valley. Grow Bruns' celebrated Chicago Market, the finest forcing valley in America, \$18 per 1,000; \$9.50 per 500; \$5 per 250; Florists' Money Maker, \$10 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MANETTI.

ENGLISH MANETTI STOCKS. A bargain, to close out surplus quick. Well rooted, carefully regraded and everything undersized or not up to strictly first quality discarded. It pays to buy regraded, repacked stocks. We offer 5-8 mm grade at \$12 per single thousand; five thousand or more at \$10 per thousand. 3-5 mm grade, \$8 per thousand; \$65 per ten thousand, to close them up quickly. Orders can be filled the same day we get them. Wire and say whether to ship by freight or express. Jackson & Perkins Co., Newark, New York.

MARGUERITES.

Marguerites, Sanders, 3-in., 5c; 4 1/2-in., 10c. Large flowering and California, single, 2-in., 2c; 3-in., 4c; 4 1/2-in., 8c. Mostly budded. Rohrer & Radke, Maywood, Ill.

New double marguerite Mrs. F. Sander, large yellow winter-flowering, and Queen Alexandra, 2 1/2-in., \$2 per 100. Cash. John Bauscher, Freeport, Ill.

Marguerites, Mrs. F. Sander, 60c per doz.; \$4.50 per 100. Queen Alexandra, 60c per doz.; \$3.50 per 100. Vaughan's Seed Store, Chicago and New York.

MOSS.

Sphagnum moss, 1 bale, \$3.80; 5 bales, \$3.60 each; 10 bales, \$3.40 each; 25 bales, \$3.20 each. Live moss, \$1.25 per bbl. Rotted peat, 60c per sack. J. H. Sprague, Barnegat, N. J.

Green sheet moss, 1 bale (5 bundles) \$1.25; 5 bales (25 bundles), \$6. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

Sphagnum Moss, 10 burlap bales, \$13.50; 10 wired bales (large), \$11. Vaughan's Seed Store, Chicago.

Moss, surplus of 12 barrel bale New Jersey moss, delivered anywhere in Chicago, \$5 per bale, 2 or more bales, \$4.75 per bale. Klehm's Nurseries, Arlington Heights, Ill.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, evergreens, herbaceous perennials and deciduous trees, shrubs, roses and vines. The New England Nurseries Co., Bedford, Mass.

Evergreen hedges and hardy phlox. Adolf Mullett, Norristown, Pa.

Nursery stock. W. Van Kleef & Sons, Boskoop, Holland.

ORANGES.**ORANGE OTAHEITE.**

From 2 1/4-in. pots, \$3 per 100; \$27.50 per 1,000. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.

Largest Rose Growers in the World.
Box 18, Springfield, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Osmundine (Osmunda fibre or orchid peat.) The C. W. Brownell Co., Walden, N. Y.

PALMS.

Palms, Kentia Forsteriana and Belmoreana, all sizes from 4-inch to 12-inch tubs, 35c to \$15 each. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hancock, Wyncote, Pa.

Kentia Belmoreana, 3 leaves, \$1 per doz. C. Elsiele, 11th and Westmoreland Sts., Philadelphia.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

PANDANUS.

Pandanus Veltchii, 5-in., 75c each; 6-in., \$1.25 each; 7-in., \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

PANSIES.

Pansies, 60,000 large stocky (Sept. transplanted) field-grown, blooming pansy plants. Henry Mett's strain, \$1 per 100; \$10 per 1,000. Cash. The Brill Celery Gardens, Kalamazoo, Mich.

Strong, stocky, fall Pansy Plants; large flowering, 50c per 100; \$4 per 1,000. Cash with order. Gus. Schlegel, Olney, Ill.

Strong, stocky, fall pansy plants, large flowering, \$4 per 1000; \$2.25 per 500. P. Pearson, 5732 Gunnison St., Chicago.

Pansies, field grown, \$1.25 per 100; \$10 per 1,000. Leonard Cousins, Jr., Concord Junction, Mass.

Pansy plants, in bloom, \$1.50 per 100. Jos. H. Cunningham, Delaware, O.

PEONIES.**PEONIES.**

"Peonies for Pleasure." This book of "Peonies for Pleasure" gives information on peony history; soil and plants to use; how and when to plant; fertilizers and how to apply, and describes the most extensive planting of really valuable Peonies ever gathered together under the sun; describes the old and the new as well as the plebeian and aristocrat of the Peony family. If you want information on the plant that stands next to the Rose in beauty, that is practically known to the amateur as simply a red, white and pink Peony, then send for "Peonies for Pleasure." We also issue a special wholesale price list of Peonies for Fall Sales, 1913. Send for both of these booklets. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.

Largest Rose Growers in the World.
Box 18, Springfield, Ohio.

PETUNIAS.

Double petunias, white and lavender, \$4 per 100; 2 1/4-inch stock. Kebeley & Shelmutt, Columbus, Ga.

Petunias, dbl. 2 1/4-in., \$3 per 100; from double seed, \$2.50. Jos. H. Cunningham, Delaware, O.

RHODODENDRONS.

Rhododendrons. The Storrs & Harrison Co., Painesville, O.

Rhododendrons, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Rhododendrons, J. R. Stricker & Co., Asheville, N. C.

POINSETTIAS.

POINSETTIAS, stock plants, 2 and 3-year old, \$5 per 100. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

PRIMULAS.

Primula obconica, in bud and bloom, fine 3-in., ready for 4-in., \$3.50 per 100. Cash. John Bauscher, Freeport, Ill.

Primulas, 2 1/2-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Primula obconica, 3-in., \$3.50 per 100. Geo. A. Kuhl, Pekin, Ill.

ROSES.**STOCK FOR SALE.**

ROSES—For Summer Bedding—Bessie Brown, Pink Maman Cochet, White Maman Cochet, Gruss an Teplitz, Helen Good, Hermosa, Helen Gould, Lady Hillingdon, Miss Alice de Rothschild, Mrs. Taft, (Antoine Rivroire), President Taft, Rhea Reld, Sunburst, Tausendschon, (Exselsa) Red Dorothy Perkins, Dorothy Perkins, Lady Gay, Crimson Rambler, Wm. R. Smith and all other bedding Roses from 2 1/2 and 4-in. pots. Our new catalog giving prices on all roses and other plants ready now. Write for it today.

THE GOOD & REESE CO.

Largest Rose Growers in the World.
Box 18, Springfield, Ohio.

Roses, grafted, Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$10 per 100; \$100 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95 per 1,000 in 100,000 lots. Killarney Queen, \$15 per 100; \$120 per 1,000. Own root: Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6 per 100; \$55 per 1,000. Richmond, 2 1/2-in., \$5 per 100; \$45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

ROSE PLANTS.

My Maryland, 2 1/2-in. Strong plants, \$3.50 per 100; \$30 per 1,000.

One Year Old Bench Plants.

Pink and White Killarney, \$3.50 per 100; \$30 per 1,000. American Beauties, \$6.00 per 100; \$50 per 1,000.

GEORGE REINBERG.

162 North Wabash Ave., Chicago.

Roses, 2 1/2-in. plants. Am. Beauties, \$5 per 100; \$45 per 1,000. White Killarney, Pink Killarney, Melody, Sunrise, \$4 per 100; \$35 per 1,000. Richmond, \$3 per 100; \$25 per 1,000. 2-year Bench plants: Am. Beauties, \$6 per 100; \$55 per 1,000. White Killarney, Pink Killarney, Richmond and Sunrise, \$4 per 100; \$35 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

ROSE PLANTS.**2 1/2-in. fine young stock**

	Per 100	Per 1,000
Richmond	\$3.50	\$30.00
My Maryland	4.00	35.00

WIETOR BROS.

162 N. Wabash Ave., Chicago.

Roses, grafted, Richmond, White Killarney, Pink Killarney, Kaiserin, 2 1/4-in. pots, \$10 per 100; \$100 per 1,000; 3 1/4-in., \$15 per 100; \$145 per 1,000. Own root: My Maryland, Pink and White Killarney, Richmond, Kaiserin, Perles, 2 1/4-in., \$5 per 100; \$45 per 1,000; 3-in., \$7 per 100; \$60 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Roses, 5 and 6-in. pots, hybrid teas, hybrid perpetuals, teas and everblooming. Rambler, Baby Ramblers, moss roses, hybrid sweet briars, Austrian briars, Wichuriana, etc. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

ROSES, strong young plants, for growing on. Send for list including Excelsa, New Red Dorothy Perkins, \$4 per 100; \$30 per 1,000. **THE CONRAD & JONES COMPANY**, West Grove, Pa.

Roses, American Beauty, 2 1/2-in., \$6 per 100; \$50 per 1,000. Pink and White Cochet, \$3 per 100; \$25 per 1,000. E. G. Hill Co., Richmond, Ind.

Nice young ROSE STOCK from 2 1/4-in. pots: American Beauties, \$6 per 100; \$50 per 1,000. Kaiserin Aug. Victoria, \$4 per 100; \$25 per 1,000. J. A. Budlong, 82 East Randolph St., Chicago.

5,000 American Beauty Bench Plants, \$6.50 per 100; \$60 per 1,000. **WIETOR BROS.**, 162 North Wabash Ave., Chicago.

Roses, Baby Rambler, Souper, Hermosa and White Rambler, 5-in., 50c each. Geo. A. Kuhl, Pekin, Ill.

Roses, Kaiserin, 2 and 3-year, bench plants, dormant condition, \$10 per 100. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Leedle Floral Co., Springfield, O.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Roses, McHutchison & Co., 17 Murray St., New York.

Roses, 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses, Bobbink & Atkins, Rutherford, N. J.

Roses, W. & T. Smith Co., Geneva, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

ROOTED CUTTINGS.

Rooted Cuttings: Abutilon Savitzi, Acalypha Macafeana, Schryanthus Emersoni, ageratum, 6 vars.; alternantheras, 8 vars.; alyssum, dbl. giant and dwf.; Begonia Vernon, Gracilis luminosa, Cuphea, Coleus, 10 vars.; Coleus Brilliant; Chrysanthemums, 75 pompon vars.; heliotrope, hardy English Ivy, lantana, 15 vars.; lemon verbenas, moonvines, petunias, Salvia Bonfire and Zurich; parlor ivy, Swainsona alba and rosea. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Rooted Cuttings—Ageratum Gurney and Dwarf White, Coleus, 20 varieties, including New Vining, Tradescantia, 3 varieties, 60c per 100; \$5 per 1,000. Double fringed petunias, variegated and pink, Salvia, Zurich and Splendens, Dusty Miller, the narrow leaved variety, from soil, \$1 per 100. Cash. All the above strong, 2-in., 2c; 2½-in., 2½c. Moon Vines, grandiflora, 2½-in. strong, 5,000 ready, \$30 per 1,000; \$3.50 per 100. Cash. Wonsetter Greenhouses, Bryan, Ohio.

Rooted cuttings: Verbenas, 70c per 100; \$6 per 1,000. Ageratum, 60c per 100; \$5 per 1,000. Heliotrope, daisies, salvias, \$1 per 100; \$8 per 1,000. Feverfew, petunias, \$1.25 per 100; \$10 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Alyssum, double, \$1 per 100; \$8 per 1,000. S. D. Brant, Clay Center, Kans.

ROOTED CUTTINGS, Lady Hillingdon, \$25 per 1,000. White Killarney, \$18 per 1,000. Seedling smilax, \$4 per 1,000. Cash with order. L. B. Coddington, Murray Hill, N. J.

SEEDS.

Seeds, beans, beets, cabbage, carrots, Kohlrabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

THE SAWYER ASTERMUM—Eight years of strict selection places it on the mountain top of perfection, in color, size and profit. Price (cash with order), \$8 oz.; \$4.50 ½ oz.; trade pkg., 1,000 seeds (not mixed), \$1. Colors: White, pink and lavender. Send for cuts and description. ALBERT A. SAWYER, Forest Park, Ill.

Seeds, cauliflower, white Tripoli onion, (crystal wax) and all other vegetable and flower seeds. Dammann & Co., San Giovanni a Teuccio near Naples, Italy.

Flower seeds. For varieties and prices see advertisement elsewhere in this issue. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Seeds, lawn grass, "Dickinson's"—Green-sward Evergreen—Pine Tree. The Albert Dickinson Company, Minneapolis and Chicago.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohmert, Gilroy, Calif.

Seeds, pepper, asparagus, tomato, musk and watermelon. J. E. Hoopes & Co., Box 38, Muscatine, Iowa.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onions, lettuce, carrot, radish. Brs-lan Seed Growers Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds, lawn grass. J. Oliver Johnson, 1874-76 Milwaukee Ave., Chicago.

SMILAX.

Smilax, 4-in., \$1 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Smilax, 3 times cut back, 2½-in., \$1.50 per 100. Cash. John Bauscher, Freeport, Ill.

Smilax, 2½-in., \$2 per 100; ready to pot on. Cash. Bonell, Florist, Meriden, Conn.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olenn, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snappdragons. Ramburg's famous silver pink, rooted cuttings, \$2 per 100; extra strong 2½-in., \$3.50 per 100. Addems, Morgan & Co., Paxton, Ill.

STEVIA.

Stevia, rooted cuttings, \$1 per 100. Cash. John Bauscher, Freeport, Ill.

VEGETABLE PLANTS.

Tomato plants, transplanted 2x2½-inch, fine quality at reduced prices. I need the room, but can't afford to throw them away, so here they go at \$2 per 1,000. Ready 1st of May. Place your order while they last. Earliana, Sparks' Earliana, Bonny Best, Chalk's Jewel, Ponderosa, Imperial and Matchless. Tell me what you want. I have plenty of them. H. J. Potomkin, Muncie, Ind.

800,000 vegetable plants, cabbage, cauliflower, tomato (100 postpaid 60c), 1,000, \$4. Beets, lettuce, asters (100 postpaid 35c), 1,000, \$2. Glick's Plant Farms, Lancaster, Pa.

Asparagus roots, 2-year-old, Barr's Mammoth, Columbian Mammoth White, Conover's Colossal and Dreer's Eclipse, 50c per 100; \$4 per 1,000. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Tomato plants, Sutton's Best of All and Bonny Best, the latter from greenhouse grown seed; extra strong 2½-in., \$2 per 100. Addems, Morgan & Co., Paxton, Ill.

For Sale.—Strong plant divisions, Linnaeus and Victoria, \$4 per 100; \$25 per 1,000. Mos-back Greenhouse Co., Onarga, Ill.

VERBENAS.

VERBENAS, mammoth flowering transplanted seedlings, lot of about 1,000; white, pink and scarlet; mostly white; 60c per 100, or \$5 for the lot.

EDW. DOEGE COMPANY.

4344 North Springfield Ave., Chicago.

Verbenas, Defiance, red; Mayflower, pink, Mammoth, purple; Italian, striped; all strong seedlings, ready for 2-in. pots, prepaid, \$6 per 1,000; \$1.75 for 250. P. Pearson, 5732 Gunnison St., Chicago.

Verbenas, transplanted seedlings, the finest mammoth and named varieties, in separate colors, 75c, 100; \$6.00, 1,000. Cash. ROBER & RADKE, Maywood, Ill.

Verbenas, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

VINCAS.

For Sale—10,000 Vincas in thumbs, \$15 per 1,000; also 10,000 rooted cuttings, \$9 per 1,000. Cash please. Carrie M. Howell, 1025 Pine St., Springfield, Ohio.

Vinca variegata, rooted cuttings, 60c per 100; \$5 per 1,000; strong 2½-in., pot plants, \$2 per 100; \$18.50 per 1,000. Cash with order. MEMPHIS FLORAL CO., Memphis, Tenn.

Vincas, variegated, 4-in., \$10 per 100. Jos. H. Cunningham, Delaware, O.

Vinca var., 2-in., 2c; 3-in., 5c. Geo. M. Emmans, Newton, N. J.

VIOLETS.

Violets, Princess of Wales, California and Luxonne, rooted cuttings, clean and strong, \$1 per 100; \$9 per 1,000. Cash with order. J. Gillmet, Moylan, Del. Co., Pa.

Violets, California, Dorsett and Herrick, rooted runners, \$5 per 1,000. W. F. Duntzman, Bensenville, Ill.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintendent erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo, Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material of all kinds. Hotbed sash. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Building material, Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash, Hitchings & Co., 1170 Broadway, New York.

CARNATION STAPLES.

SUPERIOR CARNATION STAPLES.

Mend your split carnations. Finest article for carnation growers introduced so far, 50c for 1,000, postage paid.

MICHIGAN CUT FLOWER EXCHANGE.

38-40 Broadway. Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse constructions, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing avenue, Brooklyn, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

MISCELLANEOUS.

Moisture proof flower boxes. For sizes and prices see advertisement elsewhere in this issue. A. A. Arnold, Dept. F, 16-22 S. Peoria St., Chicago.

Raffia, natural, 4 standard grades; colored, 20 standard colors. McHutchison & Co., 17 Murray St., New York.

Threads, all kinds (Green Silkline). John C. Meyer Thread Co., Lowell, Mass.

Olmsted's improved mole trap. L. H. Olmsted's Son, Hasbrouck Heights, N. J.

Cedar plant tubs. Write for prices. Patton Wooden Ware Co., Seattle, Wash.

Goodrich hose for greenhouse use. The B. F. Goodrich Company, Akron, O.

Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Iron reservoir vases and lawn settees. McDonald Bros., Columbus, O.

Boiler flues. H. Munson, 1405 Wells St., Chicago.

Anti-Klog, the Sprayer of many uses. Illinois Metals Co., Chicago, Ill.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Glass, Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Greenhouse White Lead Paint. William H. Lutton, Jersey City, N. J.

Bauer Seed Germinator, 35c each; \$3.50 per doz. Bauer Germinator Co., Manitowoc, Wis.

Mastica for greenhouse glazing. F. O. Pierce Co., 12 W. Broadway, New York.

Florists' supplies of all kinds. Percy Jones, 56 E. Randolph St., Chicago.

Greenhouse glass. Baur Window Glass Co., Eaton, Ind.

PRINTING.

Special Florists' Printing. Sample free. Oscar Fink, Pottstown, Pa.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS AND FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

STAKES.

Cane Stakes, Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.



Frank R. Pierson Gives His Opinion

**Thirty-five Years Ago We Built the First House
for F. R. & P. M. Pierson at Scarborough, N. Y.**

Mr. Pierson Writes as Follows:

I HAVE just been turning the hands of memory's clock back a bit and I find it was thirty-five years ago when we bought the first material from you for some wooden houses 20x100 feet. We thought them wonders then, and they were for those "dark ages."

Ten years later we put up the first Iron Frame ones. They were 20 ft. 6 in. wide and 300 ft. long. We were mighty proud of these houses, and they are still standing and producing as well as the first season they were used.

The thought, however, of these narrow houses

makes me smile now, when I think of our seven big Shadeless Ridge Iron Frame houses that you have since erected for me, 55 feet wide and from 300 to 375 feet long.

How do I like them? I have kept on building them year after year. Isn't that answer enough?

Lord & Burnham Co.

SALES OFFICES:

New York
St. James Bldg.

Philadelphia
Franklin Bank Bldg.

Boston
Tremont Bldg.

Chicago
Rookery Bldg.

Rochester
Granite Bldg.

Toronto
271 Jarvis St.

FACTORIES:

Irvington, N. Y.
Des Plaines, Ill.

RALEIGH, N. C.—An increase over the 1912 business is noted in the Easter sales of this year by J. L. O'Quinn & Co. Prices were about the same. More plants could have been sold, although the supply was large. There were not enough violets or lily of the valley and the violets were in poor condition. Lilies, primulas, hydrangeas and spireas sold readily. All cut flowers sold out. The firm mentioned above says it will not handle violets at Easter again unless the growers and commission men quit holding back stock and then shipping in poor condition.

SANTA CRUZ, CALIF.—W. E. King reports business about the same as a year ago and prices no better. The supply of plants and flowers was equal to the demand. Roses, carnations and violets were most in demand. A fine rainfall has brought the average to date up to half the normal standard which is 24 inches. Snow shows now on the hills and this will check the fruit. The trees are now in bloom.

SEDALIA, MO.—An increase of 20 per cent in Easter sales over those of a year ago is noted by the Archias Floral Co. Prices were the same. Plants were in sufficient supply, as were cut flowers with the exception of carnations and roses. Moderate priced

plants sold well. Thursday and Friday before Easter the weather was too cold for satisfactory handling of stock. Saturday and Sunday it was milder but in the afternoon of Sunday there were hard rains. Extremes of weather have been the rule.



Inferior Ventilating Apparatus

is a nuisance. Proper ventilation is most essential in a well conducted greenhouse. We furnish ventilating machinery to the largest plants in the country. Let us fit your houses with Advance Ventilating Apparatus and fixtures. Write for Catalog

Advance Co., RICHMOND, IND.

Richardson Greenhouse Boilers

HOT WATER AND STEAM

Round -- Side Feed -- End Feed

Sixty Sizes. All Capacities

THE MOST SATISFACTORY BOILERS EVER PRODUCED

Guaranteed Ratings

Economy

Ease of Management

Send for
Catalogue
and Prices

Established 1837.

Richardson & Boynton Co.

MANUFACTURERS

31 West 31st St. : : : NEW YORK

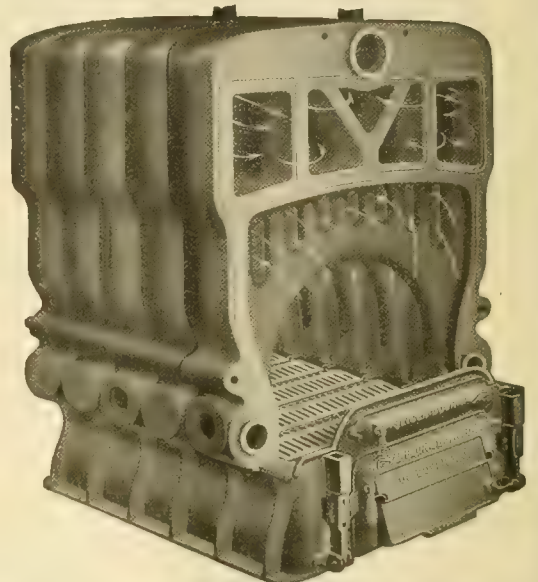
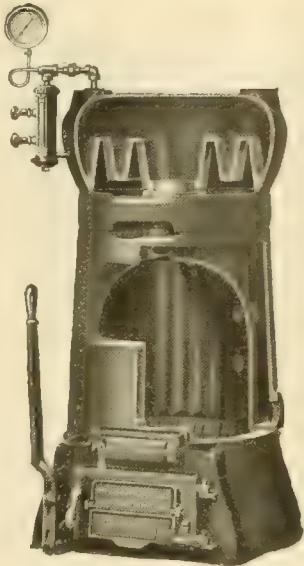
171-173 West Lake St.

CHICAGO

51 Portland St.

BOSTON

1342 Arch St., PHILADELPHIA



EVANSVILLE, IND.—Easter sales were greater this year than last, according to the Wm. Blackman Floral Co. Prices were about the same. The supply of plants was just about equal to the demand. American Beauty roses and violets were in short supply. Lilies, azaleas, hydrangeas, and all bulbous stock as well as plant baskets sold well. Of the cut flowers roses, carnations, sweet peas, violets and daffodils went the best. Plants were never in better condition. Lilies were a little shorter than in former years.

PUEBLO, COLO.—Business and prices were about the same as last Easter, says G. Fleischer. The supply of plants and cut flowers was equal to the demand. Easter lilies, azaleas, hyacinths, spirea, tulips in pans and daffodils sold well. Roses, tulips and snapdragons were the most popular. Carnations and violets sold poorly. We had a heavy windstorm with snow three days before Easter. Saturday was fine, but Sunday there was a bad sandstorm.

ASHEVILLE, N. C.—A 20 per cent increase is reported over last year's business by E. V. Brown. Prices were the same. The lily supply was short but other plants were plentiful. In cut flowers violets and roses were scarce. All blooming plants sold well and there was a good call for all cut flowers. Ideal weather facilitated delivery.

POMONA, CALIF.—Sales were 20 per cent greater than in 1912 with prices a very little better, says O. Roessner. There were sufficient cut flowers but the supply of plants was not equal to the demand. All plants in bloom sold well. Lilies and carnations sold best of the cut stock.

Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

Mention the American Florist when writing

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,

RACINE, WIS.

Mention the American Florist when writing

ANTI-KLOG

"THE SPRAYER OF MANY USES."

Used in the greenhouse for shading the glass—for killing plant pests—and for whitewashing. Sold by dealers and seed stores everywhere. An illustrated catalog free.

ILLINOIS METALS COMPANY, Chicago.
2440 West 22nd Street,

Western Representatives:
McDonald Sales Co., San Francisco, Calif.

PORTLAND, Ore.—Easter business was excellent here notwithstanding very severe weather, better even than the good trade of last year. Lilies were plentiful and sold out clean. Azaleas, hydrangeas and spirea all sold well and prices ruled high.

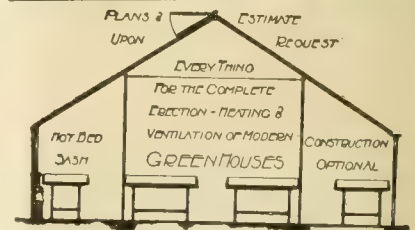
GREENHOUSES.

MATERIAL FURNISHED
AND

MEN TO SUPERINTEND
ERECTION IF DESIRED.

CYPRESS SASH BARS
ANY LENGTH UP TO 32 FEET OR LONGER.

THE J. STEARNS LUMBER CO.,
NEWPORT BOSTON, MASS.



S. JACOBS & SONS

1361-1383 Flushing Av., Brooklyn, N. Y.

The Regan Printing House

LARGE RUNS OF
CATALOGUES

OUR SPECIALTY
WRITE FOR PRICES.

527 Plymouth Place,

CHICAGO

If You Want to Plough Your House Our New Cantilever Construction Has Great Advantages.

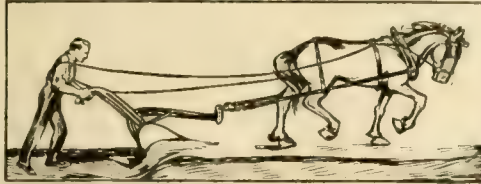
TO plough in a house filled with columns is almost impossible.

At least, it is so difficult, that after one attempt with the whiffle tree continually catching in the columns, preventing ploughing close—you give it up in disgust.

For vegetable or sweet pea and violet growing, it is a great saving to plough.

This new Cantilever construction reduces the number of columns 25 per cent and in some widths 50 per cent.

Another thing about it is, you can locate the columns practically where you want them



to meet your ideas about walk locations.

It's the least arbitrary of all the constructions.

Fewer rafters and fewer purlins are used.

It has no tension trussing

In spite of all its many advantages, it costs no more than the regular standard flat rafter constructions.

It's worth looking into carefully.

The growers are taking hold of it better even than we anticipated.

Send for new descriptive circular.

Hitchings and Company

New York Office,
1170 Broadway.

Philadelphia Office,
Penna. Bldg., 15th & Chestnut Sts.

Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL SIZE NO. 2

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices.

Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.

Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.

L.D. Phones; Lincoln 410 and 411

SPRING weather and Moles are at hand. One brings gladness, the other brings annoyance.

Destroy the latter by using

Olmsted's Improved Reliable MOLE TRAP

Ground Moles, their habits and how to catch them—a Book, Free.

L. H. OLMSTED'S SON,
Hasbrouck Heights, N. J.

Split Carnations
Easily Mended with
Pillsbury Carnation Staple

We find it very satisfactory.

J. L. DILLON.
Can't get along without them.

J. L. JOHNSON.
2000 for \$1.00 postpaid.

I. L. PILLSBURY
Galesburg, Ill.

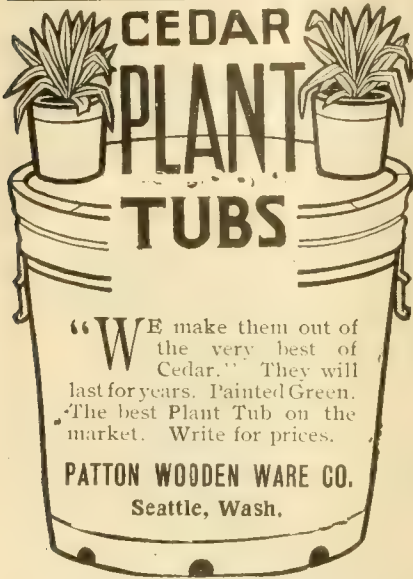
Mention the American Florist when writing

EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog
Quaker City Machine Works,
Richmond, Ind.

Mention the American Florist when writing

The Early Advertisement Gets There.



CEDAR PLANT TUBS

"We make them out of the very best of Cedar." They will last for years. Painted Green. The best Plant Tub on the market. Write for prices.

PATTON WOODEN WARE CO.
Seattle, Wash.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

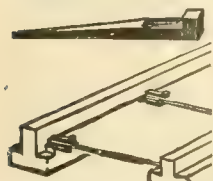
The Home Correspondence School
Dent. A. F., Springfield, Mass.

SIEBERT'S ZINC

Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{4}$ and $\frac{1}{2}$ inch. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade

RANDOLPH & McCLEMENTS, Florists.
5936 Penn Ave., near Highland, Pittsburgh, Pa



Siebert's Zinc Glazing Points.

Good for small or large glass, do not rust, easy to drive $\frac{3}{4}$ and $\frac{1}{2}$ inch. Per lb. 40c. 5 lbs. \$1.85. 20 lbs. \$7.00
Vaughan's Seed Store
Chicago. New York.

San Francisco.

Fred Jaeger, Fairmont Floral Co.: "Easter business this year exceeded all others; plant sales were great."

Podesta & Baldochi: "All sales very satisfactory. Rhododendrons and azaleas went finely; had to get in more of them Saturday afternoon."

Joseph Corvi, Union Florist: "Lilies were too high for the Mission district. We sold plenty of other stock, though. Sunday's rain spoiled a cleanup."

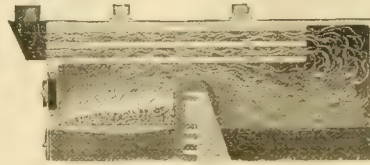
G. H. Evans, Richmond District: "Plant sales were the best yet—would have cleaned up on cut flowers if Sunday had been dry."

Miss May Hannon, Polk St.: "Remarkably good. Have not even a bunch of violets to wear to church tomorrow."

Frank Bradford has named his new floral shop at 33 Powell street The Mayflower.

The KROESCHELL Boiler

IS THE ONLY
PERFECT HOT
WATER BOILER



CATALOGUE
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Has the Highest Standard of Heating Values

Immense Self-Cleaning Heating Surface—Longest Fire Travel—Perfect Combustion—Free Circulation—Thin Waterways—Guaranteed Working Capacities—Safety—Durability—Efficiency and Economy.

Read What the Users Say
KROESCHELL BOILER, GENERATOR AND HEATING SYSTEM
INSURE PERFECT RESULTS.

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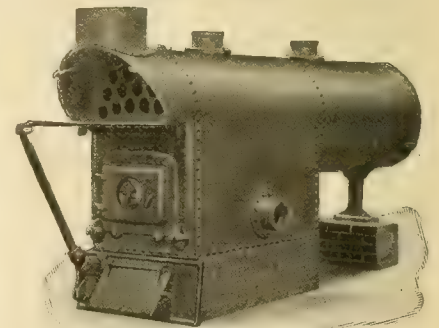
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Vol. XL

CHICAGO AND NEW YORK, APRIL 26, 1913.

No. 1299

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.
Subscription, United States and Mexico, \$1.00 a
year; Canada, \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August 3, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

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annual convention and trade exhibition at Minn-
neapolis, Minn., August 19-22, 1913.

ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twenty-seventh annual convention to be held
at Buffalo, N. Y., September 17-19, 1913. H. M.
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Annual convention and exhibition at Chicago,
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AMERICAN PEONY SOCIETY.

Next annual meeting and exhibition, June, 1913.
B. H. FARR, Reading, Pa., President; A. P.
SAUNDERS, Clinton, N. Y., Secretary.

Faults of the Grower

Paper by S. S. Pennock, Philadelphia, Pa., Read Before the
Lancaster County Florists' Club, April 17.

The Wholesaler's View.

When your president wrote and asked me to read a paper before your club, I felt considerable hesitancy in accepting the invitation, as it is rather a delicate thing to do—to point out the faults of the other man's way of conducting his business. It is human nature to criticize, in fact it is a very easy habit to fall into, and if one is not careful it soon becomes chronic. But you have asked me to tell you of your faults as we see them, of the things that help to make or mar the sales of your stock, and I am going to pay you the compliment of believing that you want what you have asked for; so I will try to give you my honest criticism and hope you will accept it as well meant advice and not as though it were given in a spirit of finding fault with your own individual ideas and methods.

To begin with, I do not think that we try to help one another enough with a word of encouragement here and there as we go along the path of life, which is of infinitely more benefit than a word of condemnation, not only to the one who may justly deserve it, but to the one giving it as well. We are all glad to be praised when we do something which we think is good. How often do we hear from a grower when we are able to make him good returns; but when his returns are not satisfactory, we hear from him very quickly and there is not very much time wasted in telling us about it. It is an easy matter to kick, sometimes too easy, in fact we get far more kicks than we should and not enough praise when lots of times we really deserve it. By this I don't mean to say that the growers are the only ones who don't give praise when praise is due. The retailers and the wholesalers are just as negligent in this respect as any one, probably they don't really consider the other fellow as much as the grower does.

On a dull market, often times the returns are so low that we are disgusted with them and hate to send them out but we have no alternative.

We have no wish to send out low returns any more than our growers care to receive them, and it is through no wish of ours that the stock brings low prices, as it is certainly to our advantage to get all we possibly can out of the stock and get as high prices as possible for every flower that comes in to us. It is certainly as hard on us as on the growers to have to sell stock at low prices, especially as we are selling them on a commission basis. And we assure you that when the letters of commendation or praise do come to us, they are certainly appreciated and they stimulate us to even greater efforts on behalf of our growers, and we know that they make for a better feeling and understanding between us.

The mutual good feeling among the florists, particularly among the growers, is improving each year—hardly a grower but who is willing to live and learn, to profit by his neighbor's successes and mistakes, and meetings such as these where you get in closer touch with each other are of splendid value and benefit, for there is always something to learn. Then there are our shows—what schools of learning they are—particularly such shows as the National Flower Show which has just taken place in New York! I know that every florist who attended this show went home feeling that it was time and money well spent, and I was very much pleased to see Lancaster so well represented—it shows progressiveness. Not only was it of advantage to see the exhibits, showing how stock could be grown, the newer flowers and plants (many of them novelties never before seen), but the greatest advantage of all was the opportunity the little man had to get in touch with the big men of the trade on an equal footing, conversing with them, getting their ideas and helpful suggestions, and going back home with the knowledge of how to do bigger and better things, knowledge that he could not acquire in years of hard grinding.

Not only are these shows valuable to growers, retailers and wholesalers

in the way of being a source of knowledge and information, but they are one of the greatest advertising mediums we have for the flower business. The publicity committees that are working in the different cities are doing all they can, and mighty good work too, to bring the flower business before the public. But the flower shows are infinitely more lasting and more far-reaching in their effects than ordinary advertising. By this I do not wish to convey the idea that I do not think advertising pays, as I am a very firm believer in advertising. But for that reason, if no other, these shows should have your firm and hearty support, and your individual attendance whenever it is at all possible.

This may be digressing from the subject somewhat, but I hardly think so, as these are points every florist, whether he is a grower, retailer or middleman should consider. Don't be afraid to leave home now and then to see what the other fellow is doing. Many a grower finds at the end of his year that he has come out with little or no profit, owing sometimes to his staying at home entirely too much and not understanding how properly to market his stock or to get it into the best possible shape for marketing. Then, too, often a grower does not know just where he is making or losing money, owing to the fact of his not keeping accurate records as to production per plant or per square foot. Then sometimes a greenhouse is run in connection with another enterprise and not kept separate, only in a superficial way, a way that is more harmful than helpful. Accurate accounting, even if it does take a little more time and expense, is bound to pay in the end.

Every year the competition in the flower business becomes keener and the supply larger, which makes it necessary to grow the stock and market it in the best possible manner. Having succeeded in growing fine, first class flowers, it is equally, if not more important, to see that they are not spoiled by poor handling. This often happens, and is due to the grower's not looking after the details and appreciating that it is just as important to market flowers in the very best up-to-date manner as it is to produce the best flowers in the first place. How much quicker and better will a box of flowers sell that comes in to the market carefully graded and packed and put up in attractive shape? That shipment commands a buyer, particularly on a dull market, far more quickly than the shipment that is carelessly graded and packed even if the stock in this shipment be well grown and some of the flowers be of even better quality than the first shipment. If this condition be allowed to go on day after day from one year's end to the other, it means many a dollar out of the grower's pocket. Don't be afraid to watch the details; the larger things will then fall into line naturally and take care of themselves. Be particular about the grading; keep the quality up and do not allow poor stock to creep in. It is very important that rubbered or wired carnations should not be put in the same bunches with the better blooms, as a few wired or rubbered blooms will spoil the sale of the bunch. Some growers feel that this is not important but every grower who does this, loses out in the end, as these bunches of carnations will not sell

only on a scarce market, and almost all the time it is a buyer's and not the seller's market. Let the poorer blooms come in a lower grade. Details carefully watched spell success in any line of business.

I believe most growers and wholesalers do not keep in close enough touch with each other. Advices from the wholesaler as to the market conditions, or advices from the grower as to his future crops, probable quantity and when these particular crops will come in, are points that are too often ignored and too little considered. Often a crop will come in which could have been marketed to much better advantage had the wholesaler known about it and understood what to expect, whether this was a new crop coming on or simply an extra big cut. The knowledge of this would help the commission man to plan for better sales of the stock, perhaps even give him an opportunity to advertise it, and the results would more than off-



S. S. Pennock.

set the trouble and expense of the grower's writing or telephoning about it. If it were possible for the wholesalers and growers to visit each other oftener, it would be a great help to each of them and would save many a misunderstanding, bring them closer together, each one helping the other, pointing out when and where things could be improved and having many things considered and talked over that otherwise would never come up.

Then, again, there are times when a grower thinks he knows better than the wholesaler when he should send his stock in. This is a very great mistake as the commission man's business is to know when the goods should be sent in and when there should be the best market for them. Of course sometimes his judgment is at fault and things do not work out just as he has expected, but on the whole, he is certainly in a better position to make the decision than the grower. And when the grower does not have confidence enough in his commission man to be willing to abide by his decisions in these matters and persists in sending in his stock as he thinks best, then he had better send his stock to some other

market, or else try and get a little confidence from some of his neighbors who do back up their commission men, feeling that that is the only way to do in sending stock to any wholesaler. More than once have we instructed our growers to send in their stock on a certain day or days and then have had them disregard these instructions and send in the stock when they thought best and in such cases the flowers have probably arrived too late to get the benefit of the best market.

The wholesale markets are coming more and more each year to do their business early in the morning and this brings us to another important point. Get your stock in early in the day for the man who has his shipment in early is the man who is going to have his flowers sold first. There is no doubt about this. And if you wish the best results you will have to conform to these conditions, even if it does mean starting your day's work an hour or two earlier. The old saying that "the early bird catches the worm" is only too true in this case.

I would like also to speak of the tendency which some growers have to hold back stock, hoping for big prices, particularly at holiday times, although this is something which has troubled us more in the past than it has for the last year or two. This is a very bad practice and can never be anything but detrimental to the sale of the stock. As an illustration of this, I remember one Memorial day when a large shipment of carnations came in to us from one of our growers. Some of the stock was beautiful—fresh and well grown flowers, but a large proportion of it was stock which showed that it had been pickled and this poor stock condemned the whole shipment. This particular grower must have lost \$200 or \$300 by holding his stock, where if he had sent it in when it was good and fresh, even on a lower market, he would have come out far ahead of the way he did. It was a lesson to him, one which he never forgot, and he told us afterwards that he would never repeat that mistake.

We would very much prefer to have to notify our customers that we had sold up clean and were not able to take care of their orders or were only able to send them a portion of their order, rather than to send them stock that we knew would not hold up for them, stock that would be bound to make trouble. Pickling is a thing of the past and any grower who indulges in it, does so at his own expense. We cannot force these goods on the buyer of today. I have said practically nothing about the growing and it would be a hard matter for me to give you any advice on points on which you were at fault in this respect. When the stock comes in I can tell whether it has been well or poorly grown, or whether it has been grown in too high or too low a temperature or various points of that kind, but naturally it is the conditions governing the marketing of the stock with which I am most familiar. But I would say that here again in the growing is where details count, and where good results will not come without proper attention to details. Well grown stock always shows that it has had the attention and care that are necessary to produce good flowers and without such attention and care



BOBBINK & ATKIN'S EXHIBIT AT THE NATIONAL FLOWER SHOW.

it is very seldom that good stock is grown. Sometimes it is possible to get good stock without attention to these details, but this is more good luck than good management, and it is very seldom that a grower is able to repeat such a chance success.

These are the points which our experience as wholesalers has brought most forcibly to my attention, and I hope you will consider them as they have been given—hints and suggestions made in a spirit of frankness and helpfulness and not in the spirit of fault finding. I believe that every man wants to improve his business whenever and wherever he can and is glad to get pointers even if they are in the line of criticism and not praise. We too have our faults and are glad to be told of our mistakes so that we can seek a remedy for them. But our interests are identical and there can be no separation of our motives, our ambitions and our results. One hinges on the other and the more we try to help each other with friendly criticism and deserved praise as well as blame, the greater efforts we will both be able to put forth. Give us your confidence and support, believe that we are working for your best interests as well as our own, and then there can be no question of our mutual success and profit.

NASHVILLE, TENN. — The Forrest Nursery & Seed Co., Warren county, has been incorporated, capital, \$3,000. The incorporators are: J. H. H. Boyd, Jas. Boyd, G. F. Wagner, F. C. Boyd, P. N. Moffit, I. H. Hillis, E. R. Martin and A. P. Hill.

The National Flower Show.

TRADE SECTION AWARDS.

At the National Flower Show held in New York, April 5-13, the judges in the trade section made the following awards:

CLASS A.

Henry F. Michell Co., Philadelphia, Pa.—Geranium Helen Michell; salvia Michell's Royal Purple; new hybrida freesia; gerbera Jameson hybrida. The judges recommend certificate of merit to geranium Helen Michell, honorable mention to new hybrida freesia.

(Signed)

J. R. FOTHERINGHAM,
HARRY PAPWORTH,
ROBERT GRAHAM.

CLASS C.

Hontsch & Co. (J. P. Dahlborn, Weehawken Height, N. J.).—The largest possible heating surface in boilers. They can, even in full operation, easily be cleaned in a few minutes. The intense heat under the firebed, which in many other boilers is not only wasted but increases the running expense by burning out the grate bars quite frequently, is, in the Hontsch boiler, utilized to heat the water flowing through the grate bars, thereby greatly increasing the heating capacity. These so-called water-bars further make the burning out of the grate an impossibility. They prevent the formation of clinkers. The Hontsch boilers have a sheet-iron cover with patent lining, which, no matter how intense the heat, always remain cool, thereby proving that every particle of heat is utilized. The Hontsch boilers

can in half an hour be made larger and this can be done by the fireman, with the help of a common laborer. We recommend that the Hontsch boiler be awarded highly commended.

Kroeschell Bros. Co., Chicago, Ill.—The combination of self cleaning direct fire surfaces with a long downward fire travel is the principle of the construction carried out in the Kroeschell boiler. The hottest gases impinge against the crown sheet fire surface, then follow the downward course along the smooth inside surfaces, leaving the boiler at the coolest part through the rear of ashpit base. In this manner the fire travels along four surfaces, transmitting the heat units to the thin waterways, on the two sides, the top, the front and the back of the boiler. At high temperatures the gases travel from the combustion chamber along the extensive surfaces and enter the chimney at a lower degree of heat than any other boiler made. One of the cardinal points in designing this new type of heating boiler is the arrangement of all fire surfaces as direct self-cleaning fire surfaces, thereby insuring 100 per cent efficiency at all times. The fire surfaces consist of entirely crown sheet and perpendicular surfaces upon which it is impossible for any soot or ashes to accumulate. These highly effective surfaces insure the greatest absorption of products of combustion before the gases pass off to the chimney. The large combustion space enables the gases to fully expand, causing perfect and complete combustion, thereby producing the maximum amount of heat units per pound of coal consumed.

The deep fire-pot carries a sufficient amount of fuel to last over night or through the day. Any kind of fuel can be used, hard coal, soft coal, wood, gas or oil. The boiler is made of rolled plate material, which has a tensile strength of 55,000 to 60,000 pounds to the square inch. This same material is used for locomotives and high pressure steam boilers because of its great strength and quick heating transmission. This boiler is built in one piece, and is a complete unit when shipped. No assembling of parts. No brick setting is required. We recommend that the Kroeschell Bros. Co. boiler be highly commended.

(Signed)

E. A. PIERCE,
AUGUST F. POEHLMANN,
M. A. PATTEN.

CLASS D.

S. Jacobs & Son, Brooklyn, N. Y.—The Metropolitan patented greenhouse gutter which, the manufacturers say, "We believe is without question the most modern and best gutter made in the world. Patented iron wall construction, which we believe is the only construction whereby the side wall of a greenhouse can be erected without the use of nails or screws for holding the side bars. Liquid putty machine, which is a practical novelty. Iron frame greenhouse construction, the feature of which is that any florist can put up with less trouble on all iron frame greenhouses than a wooden greenhouse." We recommend that the entries exhibited by S. Jacobs & Son receive no award.

King Construction Co., North Tonawanda, N. Y.—Improved flat rafter greenhouse, doing away with much shadow cast by heavy rafters, of ordinary flat rafter construction. New iron eave plate for greenhouse having the advantage of more of the metal being exposed to the inside heat of the greenhouse, thus making the eaves more ice clearing than others in use. Also superior arrangement of drip pan, improved shape of eave, throwing the water away from the side wall of the house.

We recommend that King Construction Co. receive for the first, honorable mention; for second and third, highly commended.

(Signed)

E. A. PIERCE,
AUGUST F. POEHLMANN,
M. A. PATTEN.

CLASS E.

Jos. G. Neidinger, Philadelphia, Pa.—A new device for keeping and showing violets, pansies, sweet peas, and all other short stemmed flowers. We recommend that this exhibit be awarded honorable mention.

Schloss Bros., New York.—Fringed edge chiffons. International velvet corsage bows. Lace and chiffon bouquet holders. Chiffon and ribbon table decorations. Gold and silver figured chiffons. Satin back velvet ribbons. Ombre shaded ribbons. Silver and gold figured ribbons. We recommend that the novelties exhibited by Schloss Bros. be awarded honorable mention.

(Signed)

PATRICK WELCH,
HARRY PAPWORTH,
S. S. PENNOCK.

Coldwell Lawn Mower Co., Newburgh, N. Y.—Improved lawn mower. For the above we recommend a certificate of merit to be awarded.

(Signed)

E. A. PIERCE,
AUGUST F. POEHLMANN,
M. A. PATTEN.

THE ROSE.

Commercial Roses.

Paper read by Eber Holmes at the annual meeting of the American Rose Society at the National Flower Show, April 7, 1913.

In considering the subject, Commercial Roses, the first question which might arise, would be: "What is a commercial rose?" The answer to this would naturally be: "One that can be grown and sold at a profit." The next consideration would be the requisites of a rose to stand the test of our exacting cultural and marketing conditions. Among these would be freedom of growth in an ordinary temperature, profusion of blooms of good quality that open freely in winter and have enough substance to make them of service during the summer months, ability to withstand disease, vigorous foliage to resist mildew, and straight leaves which can be easily syringed to dislodge red spider as distinguished from the crinkly foliage of some kinds. It is almost impossible to find a rose that answers to all these qualifica-



Eber Holmes.

tions, but we have some that average up well the year around, and others that are very good at certain seasons of the year.

We may divide commercial roses into three or more classes. First in importance as regards numbers and cash returns are the ones grown from under glass for cut flowers, of which the Killarney is a type. This class may be subdivided into the ones which may be grown profitably by almost all growers with ordinary treatment, another lot which does better in certain localities or under prescribed treatment, whether it be purely cultural, or growth on a particular stock, or on their own roots, and still a third division that can only be grown by experts, and then not always profitably.

The next is the pot plant class which embraces roses that are forced for Easter and spring sales. This is a large and important class and is growing in numbers and varieties yearly. Nearly all these may be

planted outdoors after blooming and will thus do double service. After beautifying the home, they will, with ordinary care, adorn the garden for years to come. The advantage of these pot roses is that they may be planted outdoors at any time during the summer with the certainty of their living.

The third class includes the ones grown for permanent planting outdoors, including dwarf bedders and climbers for every purpose and location. The possibilities of the last two classes have hardly been appreciated yet by the growers and public in this country, and the magnitude of the demand which might be created along these lines is undreamed of by the majority of our growers. Every one knows of the beauties of roses. The working man and his family admire them as much as the millionaire, but how few people know that they can grow them and possess them. Educate the public in this desire, and supply the demand with good, live stock, clean, and likely to grow, in varieties suitable to your locality; give advice on planting and the care required; encourage the school children and school garden movement and help the local society to hold a successful rose show. These are only a few of the methods that might be employed to help the interest in the rose outdoors; others will suggest themselves to any one of you and all should be made use of.

To return to the first and most important class to the majority of our members, I feel that cultural directions would be out of place at this time and in this audience. There are, however, problems that confront us all, and it is in the hope that a discussion may result to our mutual benefit that I mention a few of them. First, in building the large modern houses, is the danger from windstorm exaggerated or not? One of our foremost growers asserted recently that he had ceased to worry about plant diseases and insect pests. He could control these things, but felt his insignificance in a windstorm. I am speaking now of ordinary high winds. I do not consider the recent occurrences in the Middle West, for it is not to be expected that greenhouses will be left standing when towns or villages are blown down, and there is no discredit to any greenhouse builder whose work collapses under these conditions. But how few houses, properly built, go down under general conditions? We lose glass, but in most cases this can be traced to the vibration of the roof owing to improper or insufficient bracing or supports. Given a rigid roof, good putty and paint, and glass well laid and nailed, there is little loss of glass in windstorms. There is trouble if careless workmen leave the ventilators open during high winds. There is seldom any loss in very cold weather, for the glass is frozen down. It is a good plan to keep boards of the proper size, or stout paper, to stop a hole instantly from the inside.

The methods of growing have advanced greatly in the past few years, but it is questionable whether the manner of selling has kept pace with the production, and there is room here for the experts to point the way to

success along this line, and the man who can perfect some plan for concerted good, will confer a lasting benefit on the whole country.

To get down to cultural methods, the first consideration is to know your plants—to find out their peculiarities and requirements and to cater to their special needs. Do not condemn a variety because you cannot grow it successfully. Some of the worst mistakes have been made in this way. I could point to a number of condemned varieties that are making more money on certain places today than any other kind. In regard to growing young stock for sale, I think there is little money in it, except for specialists. It pays to graft your own supply, but beyond this, the average grower should proceed with caution. The best is none too good for yourself, and you cannot sell the poor stock.

By very carefully selecting the best, and growing for your own requirements only, you can build up your plants and flowers to a high standard. Plant as early as possible so that you may get a large, well established plant by fall that will produce much better results through the winter than a late planted one possibly could. It has been stated that early planted stock is liable to black spots in the fall. If this is so, why is it? The answer is, reckless treatment and over-confidence—the pitfall of so many in all walks of life. Early planting means large, vigorous growth, heavy foliage which has demanded and has been receiving lots of water; condensation is heavy on cool evenings and fire heat should be applied as soon as the first indication of its need is apparent. Enough air should be carried at all times. The late syringing and damping down should be dispensed with and heavy cropping should not be attempted. Do not put on too heavy a top dressing to keep the soil unduly wet and avoid any check in growth, and the danger from black spot will be reduced to a minimum.

The question of American grown manetti for grafting has been raised at times and seems in a fair way of being solved in the near future. With a good irrigating system and labor properly directed, I think that we can compete with European grown stock, both in price and quality; at any rate, we must protect ourselves and the advancing prices of the past few years, caused in a great measure by a scarcity of good stock, is a cause for our concern.

Can roses be grown successfully under glass near the salt water? And if not, why not? We hear of locations where an overcoat is needed on nights in July. Would not reducing the air and running steam through the houses offset these conditions? And would the extra cost of fuel be prohibitive? The establishment of dairy farms in connection with rose growing opens up the question of feeds and bedding. Taking up the former, it has been taught by certain people for the past thirty years that manure from cows fed on brewers' grains was injurious to roses grown under glass. Having added 30 cows to our establishment, we have been looking into this question and can find no specific case where any injury can



CHAS. H. TOTTY'S EXHIBIT OF THE NEW ROSE MRS. GEO. SHAWYER
AT THE NATIONAL FLOWER SHOW.

be traced to this manure. Several experiment stations have written me their opinion that there is no danger in this manure and that some other cause was at the root of the trouble.

Taking up the question of bedding, brings up the use and abuse of sawdust for this purpose. This we do not like in the soil, and by common consent, it has been condemned in manure, but the Maryland Agricultural Experiment Station, in Bulletin No. 158, states that in three years' experiments with roses, carnations, chrysanthemums and sweet peas, the plants were not affected adversely by the sawdust, but that by comparison with manure which contained no bedding at all, and with other which contained stalks, the sawdust manure showed an increase in cut blooms. However, we intend to go slowly in both of these things until we have proven things to our own satisfaction. Urine and the liquid from all manure, as you all know, is very valuable, and an effort should be made to preserve it, either by water-tight tanks or a good absorbent. Horse manure is used with fair results by a number of growers, and where cow manure cannot be obtained, this material makes a fair substitute.

All roses for winter forcing must be kept in active growth in the fall to insure best results. Some varieties need more heat than others to accomplish this, and if they are allowed to become dormant, there is no hope of starting them again until spring. All varieties will stand a higher night temperature in the spring and will grow rapidly if well fed and watered. Some growers reduce the night temperature 2 degrees in the spring to keep up the quality of the flowers. These are minor matters which individual growers can work out for themselves. Some kinds cannot be cut until well developed to get the best results; others must be cut in the bud or they will not be salable. There is

no doubt as to the remarkable results obtained by pinching back roses to produce long stems or an immense crop at stated times.

The question of profit is sometimes a debatable one. A variety that will produce a long stem on one growth may be as profitable as another that gives many more flowers with short stems. Generally speaking, the kinds that produce flowers freely are the best, as they can easily be manipulated to get the best results. In times when the market is poor, the long-stemmed flowers, as a rule, suffer the greatest depreciation in value. The slim growing kinds can be planted a little closer together than the others, and a little more may be gotten out of the ground in this way than if they were planted at the regular distance.

The cost of production is a serious question and should be carefully considered. The three most important items are: First, labor; good men must be selected and assigned to their proper places and all must be carefully directed or there is a heavy loss on this item. I would place interest on the investment, depreciation account and taxes next in order to be taken care of, and here it is important to build wisely and well, without unnecessary expense to increase the first cost and to keep all in proper repair that there will be no need of rebuilding. The third heavy item is the coal bill, and here again is a chance for loss to creep in through buying inferior coal or the various wasteful methods sometimes practiced by firemen.

Unfortunately, up to the present time, the cost of production has not been properly figured in the selling of our goods. There is no doubt that the man who can produce the best flowers at the cheapest rate can control the market and make the most money. It should be our aim to all be in the best class and to produce good flowers at a low price, which can be bought and spread broadcast over the country to the advancement of our art and the pleasure of our citizens.

PLANT NOTES.

Rambler Roses.

The rambler roses for Memorial day will demand constant attention, for at this season of the year aphids and red spider accumulate very rapidly if the conditions are propitious. It is far better to keep these insects down by proper culture than to be obliged to resort to measures to kill them. Give the plants all the ventilation possible but drafts will often cause mildew on the soft foliage, so these must be guarded against especially, and low ventilation, such as open doors with the wind drawing through the houses. Syringe thoroughly on bright days. There is no better prevention for red spider than a good syringing that will reach the under side of the leaves, which will quickly break up the colonies of spiders that gather there. If the plants require fumigation it should be light, for often the young foliage is very tender and heavy fumigation with smoke quickly burns it. Where the pots are full of roots a watering with liquid manure or a mulch of sheep manure mixed with sifted soil will be found very beneficial and will add a lustre to the foliage and deepen the color of the flowers.

Callas.

As the summer weather approaches the callas will cease producing flowers and will require a rest to prepare them for another year. They should be dried off gradually until they become "dust dry," when the roots will be thoroughly ripened. If watered the calla will grow all the year round, but plants grown this way will not produce as many flowers as those that are rested. Those grown in pots can be laid on their sides in the greenhouse until all danger from freezing weather is passed, when they can be removed outdoors, still placing the pots on the side in full sunlight. Those grown on the bench can be lifted with as much soil as possible and placed under the bench where they will dry out gradually and later planted in the full sun outside in a dry location, and as soon as thoroughly ripened shaken out and stored until wanted to start for another season. The yellow calla, *Richardia Elliottiana*, is being grown more largely and the blooms have been used the last winter in many elaborate decorations. The culture of these is in pots and similar to the older varieties.

Marguerites for Winter.

To have good marguerites for winter flowers the plants must have a good start in the spring. For large plants the stock should now be in 2½ or 3-inch pots and growing vigorously, but if the cuttings have not been made they can now be propagated in a cool bench and good-sized plants grown, or stock should be secured at once. Do not allow these plants to become pot bound but shift them into 4-inch pots as soon as they require it and pot very firmly. Keep the plants pinched back that they may branch more freely and keep all flowers and buds picked off. For many years these plants were grown in the open ground but in some localities they have been attacked with a club root in field culture and inside culture has become necessary for success. A cold frame in which the pots are plunged is the culture successfully

practiced by many growers. In late summer they should be potted in large pots, 8-inch or 9-inch, or planted in the bench in good rich soil, so that they will be well established for fall and winter flowering. The plants grown in pots are more prolific in flowering and the size of the flowers can be maintained with liquid manure. Aphids should be kept down by fumigation and the leaf miner is a very destructive insect if once firmly established, but persistent spraying with strong nicotine solution will eradicate this pest.

Asters.

The early and midseason asters should be planted out as early as the season will allow. If the plants are hardened off for two or three weeks in a cold frame and gradually given night air as soon as safe, they will endure the outside temperature much better than those carried directly from the warm greenhouses. The land should be prepared at once, and while asters will grow on almost any piece of ground the success or failure depends much on the proper preparation of the soil. Land that was manured last fall and plowed is by far the best, and all that will be required in the spring is a shallow plowing or discing and then leveled. It is well not to level off too large a tract at once for heavy rains occur at this season which pack the soil down hard. Before planting give the young plants a thorough watering and if in boxes or the bench cut through the rows with a knife a day before planting. Lay the field out in rows from 15 to 20 inches apart, giving the branching varieties the greater distance, with a wider space every fifth or sixth row to provide a walk when cutting the flowers, and set the plants from 12 to 18 inches apart. Plant with a trowel, for the plants set

made by the dibble. As soon as the field is planted, if possible, give the plants a good watering and then cultivate lightly with a wheel hoe to loosen up the soil.

Primulas.

For plants of both *P. sinensis* and *obconica* for blooming next spring May is the best time to sow the seed, which germinates very readily at this time, but if this is delayed until June it will often be found quite difficult to get the seed to start well, and as the young seedlings grow very slowly they will require constant attention during the warm weather, for a few hours' sun when they are dry will cause the loss of all the plants. The soil should be sifted in a fine sieve as the seed is very small and they should not be covered with the soil, but sown thinly on the soil when loose and then pressed flat with a board. Watering should be done with a very fine rose on the can so as not to wash the seeds or soil. At this season of the year the seed will germinate readily in almost any greenhouse but it is well to cover the seed pan or box with glass to prevent too rapid evaporation and until the plants begin to make growth keep the pots well shaded. Many growers wrap a piece of paraffine paper around the glass that is placed on the seed pan. This allows plenty of light to germinate the seed and will prevent the direct rays of the sun from burning up the young seedlings when they start to grow. As these young plants grow very slowly some soils will often become caked or scaly and if this occurs the top should be carefully broken up to allow the air to enter. As soon as three or four leaves are formed pot in 2½-inch pots, not too deeply, but yet deep enough to have them stand erect. They should then be placed in a cool



EXHIBIT OF ANTON SCHULTHEIS AT THE NATIONAL FLOWER SHOW.

in a dibbled hole will not take hold as quickly, and with the early asters the slight difference in time taken in planting is more than made up in the early blooming; the dibble packs the soil around the plant and the roots do not grow into it as freely, and the roots are also contracted in the small hole

house and much of the success of their culture depends upon the care and watering in their early growth. They are a moisture-loving plant and should never become dry, yet they are easily over-watered and will not make a good growth if continually kept soaked; frequent and light waterings are the best.

A lightly shaded frame with the pots plunged in the soil and the sash lifted at top and bottom for a free circulation of air is the best location for summer culture.

Pansies.

The sale of pansy plants will soon be at its height and there is nothing that the florist or grower sells upon which more time is wasted than in selecting a small order of pansies if the customer is shown a frame of a few thousand plants. The better way is to have boxes or baskets holding a dozen plants all made up for the customer. It is not necessary to put up more than will be required for one or two days' sale, but as fast as sold keep the stock replenished. There are many patrons who will be well satisfied with a good selection already placed in a basket who will take an hour of a salesman's time in making their choice out of a frame. Any late seedlings should be planted in the frames at once, and these will make fine plants for late May or June planting when the older plants are either sold or have become too large for bedding purposes.

Annuals in the Flower Garden.

There has been such a rapid improvement in the various flowering plants which are annually raised from seeds, that it is now almost possible to dispense entirely with the plants that one had to rely upon a few years ago for carrying out schemes of floral decoration in the flower garden. It is not prudent nor desirable to entirely do away with these old-fashioned bedding subjects, but, by making proper use of annuals in positions which are really suitable for them, a great deal more variety may be introduced into the general scheme of garden decoration. There are, of course, many annuals which cannot be employed in prominent positions, as their flowering season is so short. These should be relegated to mixed borders in the kitchen garden or vacant places in shrubberies. Those selected for filling beds in the immediate vicinity of the dwelling should flower during the greater part of the season.

Among the most useful flowers for this purpose are the antirrhinums. They are not really annuals, but are best so treated. To make the best use of these the seed should be sown in heat in February or early in March. When the seedlings are large enough, they should be pricked out into boxes. While in boxes they must not be allowed to become crowded or starved, and should the beds which they are intended to furnish be occupied with spring-flowering plants they should be again transplanted in the reserve garden. Here they will make strong plants, and be capable, when transferred to their summer quarters, of flowering all through the season. The intermediate class is generally the most useful, although in filling large beds with mixed colors both the tall and Tom Thumb kinds may be intermixed with admirable effect.

The annual delphiniums are also invaluable for massing in beds, and need similar treatment to that recommended for antirrhinums. Lavateras are excellent for massing in mixed borders. These should be sown in specially prepared stations where they

are intended to flower; they are invaluable for decorative purposes indoors. Clarkias are also useful for the mixed border and need much the same treatment as lavateras. *Salvia Blue Beard* is a most effective annual, which may be employed in various ways. It makes a pleasing combination with *Hyacinthus candicans*, which

mixed border, but to obtain the best results they should be grown in pots until flowering commences.

Asters, coreopsis, *Phlox Drummondii*, *Phacelia campanularia*, petunias, nigellas, nasturtiums, nicotianas, centaureas, and annual chrysanthemums are all very useful annuals for summer bedding. It is a good plan to

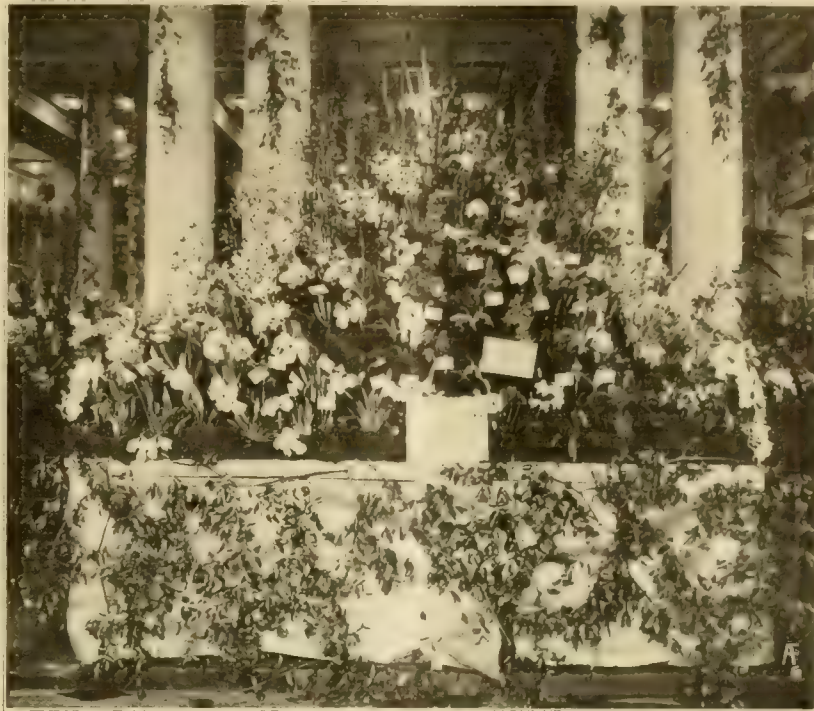


EXHIBIT OF JULIUS ROEHRS & CO. AT THE NATIONAL FLOWER SHOW.

may be dotted over the bed. A mixed bed of salpiglossis always calls forth admiration. *Nemesias* cannot be excluded, as they are always admired either in beds by themselves or massed in their various colors in mixed borders. East Lothian stocks may be made use of for filling beds by themselves, and they must be sown early in the spring, pricking the young seedlings out singly into small 60-sized pots when large enough, and planting them out in April. They will commence flowering in July, and continue to bloom until the end of the season.

Dianthus Heddewigi is exceedingly valuable, and must also be sown early and treated liberally to obtain the best results. *Gaillardias* will respond to annual treatment if sown early enough and treated liberally. These are invaluable for massing in clumps in the mixed border. *Dimorphotheca aurantiaca* deserves more extended cultivation, as it will bloom continuously during the greater part of the season if planted in a sunny situation.

Godetias deserve recognition in every garden, as they offer a wide range of most brilliant coloring. These may be grouped in separate colors in the mixed border or massed in several colors in beds or narrow borders. *Lupins* should be grown specially for the mixed border. *Linum grandiflorum rubrum* is always admired, and it is most effective when grown in large groups in the mixed border. *Pesch-scholtzias*, of which there is now a charming variety, cannot be excluded. *Cosmeas* are very effective in the

have a border of annuals of sufficient size to include many kinds of varieties, as, apart from those mentioned above, there are a host of others deserving of attention.—E. HARRISS, in the *London Gardener's Magazine*.

Bookkeeping.

Paper read by J. Able, before the Kentucky Society of Florists.

The subject of this paper, bookkeeping, I must explain in the beginning, contains unlimited possibilities, which it is hopeless for me to try and reach. The broad and constantly improving methods of bookkeeping are as large in scope as the business of the florist, and it would require as much time and patience for me to try to cover them, as it would for you to reveal the many phases of your business—even more so, because bookkeeping, being strictly detail work, cannot be generally covered in a satisfactory manner. In this paper, I dwell chiefly upon the value of perfection in bookkeeping, its relation to the trade, holding it in rein up to the minute, and preserving it for a general back glance before surveying the future.

It is naturally understood that each of us has his own system of bookkeeping. That alone prevents me from dwelling upon the detail, and confines me to those traits of the work which deal with all systems. My experience in bookkeeping in the flower business has been entirely with the retailer's side of the question, but I believe that all branches of the business have about the same fundamental rules. Book-

keeping, as we all know, is the operation of keeping accounts in such a manner as to give a true record of the transactions of the business. This enables us to find out at any time with absolute certainty any particulars regarding the business. It does not matter how small it may be, or whether you are a grower, wholesaler or retailer, you will find that the successful management of your business can only be attained by keeping an accurate record of your transactions. We should realize that we must have these records to be able to show the condition of the business at all times. They enable us to look ahead and see where improvements can be made in decreasing losses and increasing profits of the future. It helps us to economize in many ways, which we would never think of, were it not for the knowledge we gain by looking back over our past records, and discovering little loopholes for losses which had escaped our attention at the time of the transaction.

It will also have a tendency to make us hustle, especially when we find that our sales are not coming up to our standard, or possibly when the running expenses are too large in proportion to the profits. It shows us what we have on hand, what we have received, what we have paid out, what we owe, what is owing to us, what losses we have incurred, what profits we have made, and a great deal of other information which is of such vital importance to the business man. Bookkeeping, consisting mainly of daily routine, dealing with figures day after day, is one of the most monotonous parts of the business. This being the case, the assistance of everyone should be given the bookkeeper, especially in the detail work that must pass to him through the hands of the proprietor and his employees. I would like to suggest at this time several ways of simplifying the work. First of all, the clerks should realize the importance of the sale-ticket, especially when it is a charge. It should be explicit in every detail, giving particular attention to the name and address of the party to whom the charge is to be made. You will often find it necessary to refer to these tickets at some future time, and, by having them filed away properly, you are always ready to straighten out any misunderstanding which might arise.

Another great assistance, which the bookkeeper now receives from the majority of the growers, is the ticket rendered with each delivery. It does not matter whether the goods are to be charged or paid for at the time of delivery, this itemized ticket or invoice is a great help. This is especially so, when you are buying from a number of growers, because you are unable to determine the amount of stock you receive each day and the cost of same unless you have these tickets to refer to. The grower should keep duplicates of these tickets, by all means. This alone will assist in correcting any mistake which may have been made by either party. Another suggestion would be the use of the loose-leaf ledger. Owing to the fact that quite a number of the personal accounts have so many items, and, consequently, rapidly fill your pages, by using this system, it enables you to transfer these filled pages into another book or binder, as it is called. Thus having only the active accounts to handle, considerable time and labor are saved.

It is in bookkeeping as in anything else, the saving of time and labor is an important matter to be considered.

In conclusion, I would like to impress upon you the importance of your books relative to the business. No matter whether it is large or small, you should at all times pay especial attention to the conditions of your books. Our leading business men of today will undoubtedly tell you that their success is not only due to their efforts put forth in building up their trade, but largely to the fact that they have kept a watchful eye over their business through their bookkeeping.

Ornamental Cacti.

The Bureau of Plant Industry of the Department of Agriculture has issued a bulletin (No. 262) on "Ornamental Cacti: Their Culture and Decorative Value," which is likely to prove of great value to all those interested in the culture of these plants. The article is written by Charles Henry Thompson, of the Missouri Botanical Garden, St. Louis, well known as an authority on the subject.

Mr. Thompson reviews the history of the cactus plant so far as it is known and points to the fact that with the exception of a few species of *Rhipsalis* it is strictly indigenous to the western hemisphere. The introduction of the plant began with the early Spanish, English and Dutch settlers, and twenty-two species are recognized by Linnaeus in his "Species Plantarum," published in 1753. Only within the last half century has any interest been manifested in America in cacti, however. Collections by Dr. Geo. Engel-

own volume of sand." The bulletin emphasizes the necessity for using a clean, sharp knife in making cuttings where propagation is made in this manner instead of by seed. The plants are soft in tissue and filled with water, and any bruise or mutilation is likely to be attacked by rot fungus. The cuttings should be placed in a dry atmosphere until a kind of cuticle has formed over the cut surface, which takes a day or two.

"Grafting," says the bulletin, "is easily accomplished throughout this whole group of plants. The possibilities of uniting both species and genera seem to be unlimited. For a long time it has been a practice to graft *Epiphyllum* on *Peireskia* or some upright, stiff-stemmed *Cereus* in order to produce a more decorative bush plant. The rat-tail cactus (*Cereus flagelliformis*) is frequently treated in the same manner. Aside from its ornamental possibilities, grafting may be resorted to profitably as a means of propagation. It not infrequently happens that a plant becomes decayed at its base, and when all evidence of decay or disease has been removed there will be so little healthy tissue left that it is next to impossible to get it to grow as a cutting. Such a piece may be grafted on a healthy stock and the plant be preserved, if the growing tip is intact."

As cacti thrive from southern Canada to far down in South America it is apparent that different sorts must be treated differently. *Epiphyllum Rhipsalis*, a few species of *Phyllocactus* and some species of *Cereus* require practically the same moist atmospheric conditions as tropical orchids, but the soil should be very loose and easily



EXHIBIT OF R. & J. FARQUHAR & CO. AT THE NATIONAL SHOW.

mann laid the foundations for those at the Missouri Botanical Garden and Dr. Asa Gray added to the botanical garden at Cambridge, Mass.

Although the seeds are generally fertile only a small per cent germinate and develop into mature plants, because of unfavorable environment. "The best soil for growing from seed," says Mr. Thompson, "is a thoroughly decomposed sod mixed with at least its

drained to reproduce as near as possible the dry, semi-arid conditions under which they grow naturally. It should never become absolutely dry, however. Pruning may be done at any time but preferably when the atmosphere is dry. A temperature of from 60 degrees to 70 degrees should be maintained.

"The one disease," according to Mr. Thompson, "from which cacti suffer

more than any other is rot. The plant body is so saturated with water that it forms an excellent medium for the growth of this disease. Any cut or bruised place presents the most favorable point for infection. Water dripping on a plant for even a short time may induce infection. By far the greater number of the plants receive the infection through their bases or roots, whence it works upward through the center of the plant.

"The chief attractiveness and beauty in cacti as a group is the remarkable symmetry of growth in the individual plants. The columnar and most of the genera of smaller cylindrical or globular forms have clean-cut, longitudinal, parallel angles, ribs or wings, and located on them at regular intervals are the buds or pulvini, which bear the plants or flowers, and from which side branches may be developed. The coloring of the epidermis of the plant is frequently very attractive. A single plant is well worth the little time and trouble required for its keeping. It occupies a very small amount of space in comparison to its weight, which is an advantage in many instances.

"Cactus roots naturally penetrate deep into the soil, and at the same time some of them spread widely from the plant stem. This tendency is necessarily limited in potted plants, and the plant does not receive the nourishment or water that it should have; hence it is always better to place them in the open ground if possible. In the northern states it is necessary that the plants be protected from frost in winter. In such localities room in a greenhouse may be set aside for this group of plants and beds made in the native earth to receive them. In the warmer southern or southwestern portions of our country a very large number of cacti will thrive out of doors the year round."

THE CARNATION.

Carnation Matchless.

The new carnation Matchless, to be introduced next season by the Cottage Gardens Co., Queens, N. Y., has every appearance of being well named. The vase of blooms shipped from Queens to the annual exhibition of the Illinois State Florists' Association held at Peoria, March 5, came out in fine shape after their long journey. It has good size, fine form, pure color, strong stiff stem and the fragrance and keeping qualities are excellent. As seen growing by the writer early last November the plants were in grand shape. The house was then a picture of fine large white blooms carried on long stems and the plant had every appearance of being a good producer. Its sponsors write that the Eastern experts are very much pleased with its action and that the advance sales are already exceedingly large.

C. W. JOHNSON.

The Spring Work.

It is now time to begin preparations for getting the young stock out in the field. In localities where the weather conditions will permit and the land can be worked properly, the last of April or the early part of May should find the work of planting out well under way. It is very important, especially with plants intended for planting inside the latter part of July or early in August that they be given

an early start in the field so as to make as much growth as possible and get well rooted before the hot weather begins. If well hardened off before being set out the young plants will stand any cool weather we get after the dates mentioned and be greatly benefited by it. We find that quite a number of growers who are very busy at this time with spring stock are very apt to put off the planting out of the young carnations from day to day. This is a serious mistake, because there is no other period when the young plants will suffer and get hard wooded quicker than at this time, owing to the rapid growth which now takes place with carnations as well as every other kind of plants.

If it is not possible to get the plants out on time, then remove them from the greenhouse to cold frames, where

fort put forth to have a good cut of blooms for Memorial day, a time when, according to the records of the last few years, carnation blooms are extremely scarce and bring good prices. It is now time to put a little shade on the glass, not dense enough to make the house dark, but enough to break the direct glare of the sun. The side shoots on the stems make very rapid growth at this season. These must be removed or the stems will quickly become crooked and the blooms can only be used as short stemmed stock. The temperature of the houses, both day and night, is also a very important matter. The natural temperature for carnations is a moderately cool one, but to keep the plants in perfect health dampness in the houses at any time must be guarded against. There are many



CARNATION MATCHLESS AT COTTAGE GARDENS.

the sash can be taken off during the daytime, and left off at night when the weather permits. Make sure to guard against heavy rains, which are injurious to young carnation plants. By doing this they can be held back safely for several days. A few days before planting out go over the plants and top back any shoots that are lengthening out. This will help the young plants into root action quickly after planting and save having to do this work for two or three weeks after being set in the field. The preparation of the land for planting is a very important item. If it was plowed last fall it should now be dragged, the clods broken up and the surface made as level as possible. Be sure that all the hollow places are filled up, so there will be no chance for the water to stand in pools after heavy rains, because conditions of this sort start the stem-rot and check the root action of the plants.

When working the land it should be borne in mind that it is better for the plants and easier to do the planting if the ground is worked close to the time you are ready to set out the plants. So arrange the work that the planters can follow up close to those preparing the ground. While attending to the young stock the flowering plants on the benches should not be neglected, but every ef-

fort put forth to have a good cut of blooms for Memorial day, a time when, according to the records of the last few years, carnation blooms are extremely scarce and bring good prices. It is now time to put a little shade on the glass, not dense enough to make the house dark, but enough to break the direct glare of the sun. The side shoots on the stems make very rapid growth at this season. These must be removed or the stems will quickly become crooked and the blooms can only be used as short stemmed stock. The temperature of the houses, both day and night, is also a very important matter. The natural temperature for carnations is a moderately cool one, but to keep the plants in perfect health dampness in the houses at any time must be guarded against. There are many

C. W. JOHNSON.

Mendelian Inheritance In The Carnation.

Experiments recently carried on at the Vermont Experiment Station on the breeding of carnations are summarized as follows by Wm. Stuart, in Bulletin No. 163 of that station:

1. That the commercial carnation as grown by florists is a heterozygote or unfixed hybrid of a cross between the single and double carnation.
2. That the single is recessive to the double.
3. That singles x singles produce only singles.
4. That commercials x singles give practically an equal number of each.
5. That commercials x commercials give very nearly the expected ratio of singles.

6. That commercial and double together closely approximate the required ratio.

7. That the progeny of single x double, of which there were 1,004, were all of the commercial type except four which were single, the presence of which may possibly be ascribed to error in technique.

8. That crosses between single and double carnations were more prolific than were the other crosses, a fact of importance in carnation breeding.

9. That the "bursting" commonly occurring in leading varieties may be largely due to the formation of adventitious buds in the flower, rather than to inherent weakness of the calyx or to unfavorable temperatures shortly before the flowers open. The cause, whatever it may be, occurs at a much earlier stage in the development of the flower.

10. That carnation doubling is due to a variety of morphological modifications of the floral organs.

wares are sharing the prominence gained by the city's flour in the markets of the globe.

Visitors to Minneapolis find St. Anthony Falls and the grain mills which line both banks of the river at that point one of the interesting "Things to See." The mills have a combined capacity of 84,000 barrels of flour per day. The largest flour mill in the world stands among this group of flour producers. Minneapolis has the largest grain elevators and they give a distinctiveness to the city's sky line no matter in what direction the visitor looks.

Only a few blocks from the milling district are the Chamber of Commerce and the Flour and Corn Exchange buildings. It is in the Chamber of Commerce that the tremendous tonnage of grain used in producing the city's flour is bartered. More cash wheat is sold in the Chamber of Commerce than in any other place in the world. The Falls of St. Anthony have been affectionately nicknamed "The Cradle of Minneapolis." It was to them that this great manufacturing city owed its existence.

Minneapolis.

The regular monthly meeting of the Minnesota State Florists' Association was held at the Park Greenhouses, Minneapolis, being called to order at 8:35 by President Will; 19 present. The minutes of the previous meeting were read and approved.

Gust Malmquist of the state fair committee made a report outlining what had been done in the way of premiums. — Olson of the same committee also reported. Bernard Busch of Lyndale avenue and Fiftieth street was proposed for membership and on motion the by-laws were suspended and he was duly elected. Mr. Hanson of the dance committee reported that all arrangements had been made for holding the annual ball at the Junior Pioneer hall April 17.

Theo. Wirth spoke of the National Flower Show which he had recently visited, also of the plans being made for the S. A. F. convention to be held here. Mr. Olson also spoke of the National Flower Show in New York which he attended. Louis Boeglin told how he winters red pennisetum. The next meeting is to be held at Holm & Ol-



Minneapolis Manufactures.

Minneapolis, Minn., the seat of this year's convention of the Society of American Florists, is essentially a manufacturing city. It ranks fourteenth among all the industrial centers of the country. Its manufacturers have an annual production representing in value \$548,000 for every man, woman and child in the city. The development of manufacturing in Minneapolis, however, has not been accomplished at the expense of its natural beauties. On the other hand, the wealth of scenery with which nature so generously endowed the city has been preserved and has exerted a beneficial effect upon the upbuilding of the manufacturing business. There are no "sweat shops" or slums in the city. Its manufacturing establishments are models of modern construction, with plenty of light and air.

The first industry to engage Minneapolis was the reduction of the great pine forests of the state to lumber. The Falls of St. Anthony with their tremendous energy were harnessed and made to turn the saws. With the settlement of the fertile country surrounding the city and its planting to grain the falls were made to revolve the millstones, which turned the grain into flour and meal.

Long before the forests had diminished perceptibly and marked the waning of the lumber industry Minneapolis had provided itself with other manufacturing plants to take the place of the saw mills. A variety of industries began to surround the falls and to make use of the power generated by them. The manufacturers have multiplied and their products have increased until now nearly everything within the range of necessity and a large number of so-called luxuries are produced by Minneapolis manufacturers, and their products find their way into the remotest parts of the world. Flour blazed the path for the other manufactured articles and it remains the chief product of Minneapolis. The brands of its great milling companies are known in nearly every household in the civilized world. Linseed products, textiles, machinery and a long list of other manufactured



MINNEAPOLIS PARKS.
Minnehaha Falls.

son's store May 13. The members present inspected the park greenhouses and contents very thoroughly, after which they partook of a sumptuous repast prepared by Mr. Wirth.

S. A. J.

Flood Relief in Ohio.

The Cleveland Florists' Club committee appointed by President Graham to investigate the conditions in Ohio and to give relief to those in need, has made very good progress, but there is still much to be done. John Evans, who with E. G. Hill and August Poehlmann, was appointed by President Farquhar of the S. A. F. as an investigating committee, passed through Cleveland recently and held a meeting with the local committee, consisting of A. Graham, H. A. Hart, Geo. W. Smith and Frank Friedley. The field was gone over thoroughly and methods discussed.

The list of donations to date is as follows: Arthur Doeble, Norwalk, O., 1,000 geraniums, 1,000 salvias, etc.; Matthew Macnair, Providence, R. I., \$10 in cash; Louis Eppe, N. Pelham, N. Y., \$2 in cash; Geo. L. Ely, Clyde, N. Y., 1,000 geraniums; Stubbs Nursery, Augusta, Ga., five boxes mixed plants asparagus, salvias, coleus, etc., etc.; L. G. Barbier, Dunkirk, Ind., Boston ferns, 500 geraniums, 400 chrysanthemums; Woodbury & Woodbury, St. Johns, Mich., 10,000 carnation cuttings, callas, daisies, etc., etc.; R. Vincent, Jr., & Sons Co., White Marsh, Md., 10,000 geraniums; Wauseon Floral Co., Wauseon, O., 500 salvias, etc., etc.; J. F. Shed, Westerville, O., 500 salvias, geraniums, pelargoniums, etc.; A. Graham & Son, Cleveland, O., geraniums, etc.; J. M. Gasser Co., Cleveland, O., Godfrey callas, chrysanthemums, carnations, etc., etc.; Adam Graham, Cleveland, O., \$10 in cash.

The names of those helped are not to be published. Never was there a more opportune time to help a man who has lost all of his stock, for with Memorial day only a few weeks away he can quickly turn plants into cash. If you know of any florist in this state who is in need of help, a man to whom a few hundred or a few thousand plants would be of benefit to put him on his feet, let us know. If you have surplus stock of plants and want to know where to send them to do the most good, let us know. If you are a retailer or a supply man, or if you have no plants to offer, a small amount of cash will help pay expressage on a box of plants to some brother florist, who has met with misfortune in the flood. What is to be done must be done at once. Reports have been very hard to get from this state or this should have been attended to sooner. Address all communications to Cleveland Florists' Club.

FRANK FRIEDLEY, Sec'y.

Rocky River, O.

Help Asked for Hans Jensen.

At a meeting of the Omaha Florists' Club, April 10, and at the request of Ed. Williams, president of the Nebraska State Florists' Society, it was decided to send a call to the florists of the state for a voluntary cash contribution for the relief of one of our florists, Hans Jensen, at 49th and Leavenworth streets, Omaha, whose picture was recently published showing him standing upon the ruins of his greenhouses and home, destroyed by the tornado Easter Sunday, March 23. He stands there with bruises and scratches, barely escaping with his life, the fortune of nearly a life time shattered to pieces, without any means of income to take care of his wife and two children.

We believe that all florists should



VIEW IN MINNEAPOLIS PARKS.

be willing to contribute in such sum as they feel able to give. Quick action is asked, for the money is needed to start up for the spring trade. Therefore send your check by early mail to Lewis Henderson, secretary, 1519 Farnam street, Omaha, Neb. All money will be properly accounted for and immediately turned over to Mr. Jensen. LEWIS HENDERSON, Sec'y.

Old Trick Revived.

ED. AMERICAN FLORIST:—

Hoping that our experience may be of value to others, I would be pleased to have you publish an account of a smooth swindle which was worked on us last week. About 9 o'clock on the morning of April 11 a young man called at the store and representing himself as a new decorator recently employed by one of the principal dry-goods stores, asked for prices on a quantity of roses and carnations and the rental of a number of palms and ferns which they wanted for a window decoration.

After obtaining our prices he left, stating that he would see "how much the boss would stand for." Shortly

before noon he returned and placed an order for a quantity of roses, carnations, greens and the rental of a number of palms and ferns, and wished them delivered to the store the following morning. Upon leaving he said that he might just as well take such of the cut flowers as he could carry along with him. Upon delivering the palms the following morning we found that we had been "worked," as they had no such man at their store. As a result we are out about \$15 worth of cut flowers.

This man is about 30 years old, 5 feet 5 inches tall, about 150 pounds in weight, with a smooth-shaven round face; nose slightly Roman. He is a smooth talker, but hardly what one would call a "hot air" artist. He wore a rather light tan overcoat and a brown telescoped soft hat. Thinking that possibly he is obtaining these flowers to dispose of in some nearby city and may try his game elsewhere, I would like to bring this to the attention of the trade and thereby hope to be able to apprehend the culprit. Any information will be thankfully received.

Coldwater, Mich.

D. Vogt.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 60 PAGES WITH COVER

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THE daily newspapers report that the Belgian labor strike, affecting many spring shipments of florists' and nursery stock, will terminate April 24.

ONE excellent way to use the surplus cash of the Society of American Florists would be to divide it among the members who suffered serious loss in the recent floods and tornadoes. If there is any better way, let us know about it.

Tariff Revision.

All florists and horticulturists who have any suggestions to make as to changes, if any, in the present tariff bill which is now before congress, should send them in at once (if they have not already done so) to Chairman W. F. Gude, of the S. A. F. tariff committee, 1214 F street, N. W., Washington, D. C. Mr. Gude will be pleased to do all he can to further the interests of the florists and horticulturists, and members of kindred organizations, but is at a loss to know what action to take until those interested make their wishes known.

[The chairmen or the entire tariff committees of the three national organizations, seedsmen, nurserymen and florists, should meet and unite on schedules as they did with the Payne-Aldrich bill, when they secured the most satisfactory recognition ever given the trade.—ED.]

Society of American Florists.

At the adjourned meeting of the board of directors, held in New York, Tuesday, April 8, 1913, the report of the judges of the trade exhibition held at the convention in Chicago, was approved. Vice-President Theo. Wirth reported that he had leased, by order of the board of directors, the Armory and Coliseum in Minneapolis, Minn., from August 15 to 23, for use of the next annual convention. The vice-president also gave a detailed report of the outdoor plant exhibit, stating what progress had been made in this important project. It was decided to rent this space at 10 cents per square foot for the inside bedding space and 5 cents for the borders, intended for perennials, shrubs, etc. Mr. Wirth stated that there would be 13,000 square feet in this garden available for bedding plants and 17,000 square feet available for shrubbery, making the total available space 30,000 square feet. Mr. Wirth was empowered to hire such additional assistance as is necessary and render a bill to the S. A. F. who will reimburse him for any outlay he may make.

Secretary Young, who was unable to be at the meeting of the board of directors in February, was instructed to make a trip to Minneapolis at an early date so that he might become entirely familiar with all the possibilities of the convention. On Thursday, April 10, the board had another meeting, when ex-President Vincent brought up the question of the sufferers from the recent flood in the middle West and those who had much stock destroyed should have as much help as possible from this society. The plan outlined was that we co-operate with them as far as possible and ask them to make their wants known and publish the fact that certain sufferers were in need of different kinds of stock. Those having surplus stock might communicate with a committee appointed for the purpose and find out the names of those who are in need. It was finally decided that a committee of three be appointed with power to act without expense to the society. This committee is to gather information in regard to the sufferers and to recommend, in their judgment, those most in need of it. John A. Evans, E. G. Hill and August Poehlmann were appointed as such committee.

A PLEA TO GROWERS.

One of the principal attractions of the coming convention to be held in Minneapolis, August 19-23, 1913, will be an outdoor plant exhibit, as shown by plans recently published in the trade papers. Applications for space should be made at once to John Young, secretary, S. A. F., 54 West Twenty-eighth street, New York city. The plants should be shipped the last week in May, addressed to Theodore Wirth, superintendent of parks, Minneapolis, Minn. (Outdoor Exhibit). Freight charges must be prepaid. The plants will be planted, and properly taken care of by expert employees of the board of park commissioners, and every exhibitor can feel assured that his exhibit will be well taken care of at no other expense than the rental space paid to the S. A. F., namely, 10 cents per square foot for the inside bedding space and 5 cents for the borders, intended for perennials, shrubs, etc.

Every grower is earnestly requested to participate in this exhibit. Novelty and superior varieties of any and all classes of plants are desired. Enough plants to fill one bed should be sent. The plants will be left in the garden until fall and the exhibitor will be permitted to display a sign of his firm. These signs must be made of uniform size and will be furnished at cost price by the Superintendent of the S. A. F. exhibits. Even at this date several growers have taken space to assist in making this outdoor exhibition the success it deserves to be.

DEPARTMENT OF REGISTRATION.

John Bauscher, 104 Chicago street, Freeport, Ill., offers for registration the following plant: Geranium, American Beauty. Description—American Beauty geranium originated in a novelty collection. It is a vigorous grower. Stocky in growth; has a more bushy habit than any others. Its foliage is of a green with a brown zone in leaf, leaf slightly corrugated; it grows about 12 to 15 inches high. The form of the flower is similar to that of S. A. Nutt, differing in color, which is that of an American Beauty rose.

TRIAL GROUND COMMITTEE.

President Farquhar has appointed W. F. Gude, F. R. Pierson and Wallace R. Pierson a committee to represent the S. A. F. in the proposal to establish a national trial ground for roses at Washington, D. C., by the United States Department of Agriculture and to do what they think best to further the project either in the name of the S. A. F. or in conjunction with any other societies that may be interested.

JOHN YOUNG, Sec'y.

American Gladiolus Society.

REPORT OF COLOR CHART COMMITTEE.

The color chart committee of the American Gladiolus Society, after examining all the available charts, recommends the adoption of the Repertoire de Couleurs as the official color chart of the society.

A. C. BEAL,
ARTHUR COWEE,
Committee.

GLADIOLUS TRIAL GROUNDS.

As the time for gladiolus planting is near, the committee on nomenclature again desires to call the attention of members of the society to the importance of their support, and especially in the contribution of bulbs of varieties, the names of which are duplicated, as well as varieties which have been renamed. Three hundred and eighty-five named varieties and seedlings have been tested on the trial grounds. It is known that there are at least 450 named varieties in the American trade which we have never tried. In other words, we have tested less than half of the varieties grown. It is impossible for us to determine whether seedlings are distinct unless we have all the varieties. Have you sent bulbs of all your varieties to the trial grounds? Your committee feel that this particular part of their task is even of more importance than the registration of new varieties, and unless the requests of your committee are heeded, the advancement of this work is delayed, and results naturally expected by the members from their committee are not secured.

A. C. BEAL,
ARTHUR COWEE,
LEONARD JOERG,
Committee.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Position as traveling salesman for seeds, bulbs, plants or florists' supplies. Address Key 786, care American Florist.

Situation Wanted—As a working foreman, single, strictly sober and a good grower of cut flowers and potted plants; good designer and hustler. Key 811, care American Florist.

Situation Wanted—As Florist and gardener; well up in Carnation and Chrysanthemum growing. Single man; good reference. Key 806, care American Florist Co.

Situation Wanted—On commercial or private place by young man, aged 22 seven years experience in general greenhouse work. Private preferred. Address Key 828, care American Florist.

Situation Wanted—As a working foreman; married; strictly sober and a good grower of cut flowers and potted plants; good designer and a hustler. Key 827, care American Florist.

Situation Wanted—As foreman by all around grower of roses, carnations, mums and general stock. Age 45. Address Key 831, care American Florist.

Situation Wanted—At once by a nurseryman to take charge of a nursery. Hollander; good all around man; state particulars in first letter; can give good references. Address Key 814, care American Florist.

Situation Wanted—Manager and foreman now in charge of about 80,000 feet of glass, wants a change; a good grower or manager of a store; first-class salesman and designer; can take charge soon. Address Key 817, care American Florist.

Situation Wanted—As florist and gardener in private place; Hollander; 10 years in this country; married; no children; life experience; can furnish the best of references. Address Key 801, care American Florist.

Situation Wanted—Head gardener, Englishman, age 40, married, without family. Life experience in all branches, including Orchids, Roses, Carnations, Mums, Early Forcing, fruit and vegetables, etc. Good references. E. RICHMOND, Elma Center, N. Y.

Situation Wanted—Florist and Gardener of 20 years experience on a private place or public institution; first-class grower of Orchids. Cut Flowers, and Vegetables, under glass or outside. Best references. Address Key 818, care American Florist.

Situation Wanted—A strictly first-class designer, decorator and storeman will be open for an engagement on or before May 1. First class references. Good wages expected. Eastern city preferred. Write at once, if you need such a man. A. F. F. care American Florist. 124 East 24th Street, New York.

Situation Wanted—By gardener; Scotch; as head in private place; experienced in all branches of gardening, inside and out. Over 20 years in large establishments growing all kinds of greenhouse plants and vegetables. Also care of lawns and landscape work. Age 37; married; no family. ARCH LITTLEJOHN, 39 Temple St. Somerville, Mass.

Situation Wanted—Landscape Architect (German) 29 years of age, first-class technical and practical knowledge of landscape gardening. Expert in layouts of artistic plans and estimates for municipal and private parks. Recently employed as manager for some of the largest landscape contractors of Germany. Excellent references. Address. Key 809, care American Florist.

Situation Wanted—On commercial or private place by an all around man with 20 years of practical experience in this country and Europe; single, 35 years of age. Can furnish the best of recommendations from leading firms. Pot plants, roses, carnations and landscape gardening a specialty. State salary when writing. GEORGE BAKAITIS, 5433 North Seeley av., Chicago

Situation Wanted—As head gardener and florist superintendent on private place; English, age 35, married, one child aged 8 years. At present engaged, but desire change; life experience in all branches—hot house plants; cut flowers and fruit under glass, vegetables, lawn perennials, and the general routine of a well kept estate; 4 years and a half in present place; first-class references. Address. Key 813, care American Florist.

Situation Wanted—As head gardener or superintendent. Good grower of cut flowers, potted plants, indoors and out doors; vegetables and fruits. Good experience in lawn and park work; understand management of private place park, cemetery, or institution. Am 30 years of age, married, no children. Have been in the gardening and florist business for 15 years. Can furnish best references to party requiring such a man. Address. Key 799, care American Florist

Help Wanted—At once, an experienced man to help in greenhouse. M. FROHLICH, 5527 Cornelia Street, Austin Station, Chicago.

Help Wanted—Honest young lady with some experience to take care of floral establishment in Chicago. Very good chance for advancement, with good salary. Key 805, care American Florist.

Help Wanted—Sober and industrious men with greenhouse experience, at once, steady work. 25 miles from Chicago. Address. Key 819, care American Florist.

Help Wanted—Quick; an experienced grower, propagator and grafter of Roses; also a grower and propagator of carnations; give references and state wages. THE MIAMI FLORAL CO., Davton, O.

Help Wanted—Manager and rose grower for commercial place. Liberal salary to the right man. Must furnish best of references as to ability from former employers. Address Key 815, care American Florist.

Help Wanted—Florist for commercial place, with experience in growing choice pot plants for Christmas and Easter trade. Address, with copy of references, wages expected, etc. J. A. PETERSON, Westwood, Cincinnati, Ohio.

Help Wanted—Salesman wanted for the South and the Pacific coast for a prominent eastern ribbon house having an established trade. Can only use a man familiar with the trade. Address Key 829, care American Florist.

Help Wanted—A thoroughly practical grower; roses a specialty. A good position and good wages for the right man. Must furnish the best references and a personal interview will be arranged before engaging. H. H. BATTLES, 108 South 12th St., Philadelphia, Pa.

Help Wanted—At once, working foreman for modern establishment, 30,000 feet of glass in a Missouri city. A competent grower of roses, carnations, mums, bulbs and pot plants, capable of handling help. Man of character, sober and progressive. Good wages to right man; no other need apply. Give reference and wages expected in first letter. Address, Key 820, care American Florist.

For Sale—10,000 feet of glass in the best town for its size in Illinois. No competition; a money maker. Address. Key 821, care American Florist.

For Sale—Well located retail store, centrally located, doing good business for over five years. This is a rare opportunity, price very reasonable; going south object of selling. Address. Key 804, care American Florist.

For Sale or Lease—5 greenhouses at Madison, N. J., 1 mile from station. 4½ acres of land, 9-room dwelling, up-to-date, cheap, and low rent to prospective buyer. Address, R. S., 265 Rosedale Ave., Madison, N. J.

For Sale—A good paying florist business in Pennsylvania. 9 greenhouses, 27,000 feet of glass, good wholesale and retail trade, well stocked with bedding plants, roses, carnations, sweet peas, lilies, and ferns. The greenhouses are in good condition, with hot water and steam. Reason for selling am not a florist. Will sell at a bargain. Address. Key 824, care American Florist.

Wanted—To buy florist store or good location for same in live town. Bargain. Address. Key 825, care American Florist.

Wanted—To correspond with someone having experience as grower of all kinds of greenhouse and nursery stock that would take share in a good business and be able to manage the growing of the stock for a company in Minnesota. Address. Key 823, care American Florist.

Public Sale—Of floral plant known as The Morris Floral Co., will be held at the east door of the City Hall, in Morris, Ill. The real estate consists of 6 acres of ground planted in all kinds of fruit trees and berries; 3 new greenhouses 28x125 feet and 12 smaller houses all in good condition. One 12 room dwelling house with all modern conveniences. One 5-room cottage; big packing shed, cellar and barn. Ten per cent cash on day of sale and the balance when report of the sale is approved by the Court. ANNA KRAHN, Administratrix of the estate of Ivid Krahn, deceased.

FOR SALE.

Great Bargain. Greenhouse in Salida, Colo. Six thousand feet glass; good dwelling; within four blocks of business centre; well stocked with plants and flowers; fine trade, local and shipping. Address J. H. FREEMAN, Salida, Colo.

FOR SALE.

A new range of greenhouses consisting of 30,000 feet of glass, well stocked with carnations and located in the vicinity of Chicago. Can be had at a very reasonable figure. For further particulars, address

Key 816, care American Florist.

For Sale at a Pick Up Price

An up-to-date wholesale and retail florist plant in the vicinity of Chicago. It contains about 70,000 square feet of glass, 12 to 20 acres of first-class land, large dwelling house in good shape, everything modern. The whole place high and dry. \$10,000 cash, balance to suit. Do not write unless you mean business. Address.

Key 830, care American Florist.

Help Wanted

Experienced florist wanted. First class grower of bedding plants. Reliable young man. Address FRED ADOLF, 551 Hinman Ave., Evanston, Ill.

Help Wanted

Good section man. Must be A1 grower of roses, carnations, mums, etc. Married man of middle age preferred; must be strictly sober. State wages in first letter; call or write.

ROBERT KLAGGE, Mt. Clemens, Mich.

HELP WANTED

A competent grower of general stock. Must be good on mums, lilies and general pot plants. We want a sober, industrious man who can come at once. Give references and salary expected.

L. L. MAY & CO., 295 Como Ave., St. Paul, Minn.

HELP WANTED.

A competent working grower to work in a retail and commercial greenhouse where large quantities of carnations, chrysanthemums, lilies and various kinds of plants and bulb stock are grown for the trade. Address with references to Shepard's Garden Carnation Co., 292 Fairmount St., Lowell, Mass., stating wages and experience.

Foreman Wanted

A large commercial establishment of 60,000 square feet wishes a capable foreman to take charge of the growing of stock. Must be well up on roses, carnations, mums, lilies and pot plants such as are necessary for first class retail stores. A good opening for a man of experience and one capable of handling help intelligently. First class references expected and personal interview will be arranged. Key 822, care American Florist.

TO FLOOD AND CYCLONE SUFFERERS.

To sell, an A1 florist and market garden business, in good location, well established, no competition for four hundred miles radius. Full particulars by letter. Address.

Key 826, care American Florist.

STOREMAN

Good salesman and designer is desirous of securing a situation immediately in Chicago. For further particulars, address, Key 810, care American Florist.

Gardener Wanted at Once.

We must have an experienced, reliable gardener immediately. The right man may come on practically his own terms. Prefer to lease on shares but will go more than half way to meet desires of good man. House or board will be furnished. Tract of 38 acres; richest of bottom land; coal at door for greenhouse use; street cars now; railroad coming. In midst of manufacturing and coal mining district. Best of markets, high prices, etc. Gardening business not crowded. Paved road through farm. About two miles from Monongahela, Pa., a city of from fifteen to twenty thousand. Address

MARY E. JONES, R. D. 2, Finleyville, Pa.

Pittsburg.

SCARCITY OF STOCK.

There is still a scarcity of flowers of all kinds, but the weather is turning warm and we expect enough stock within a few days to take care of all customers. Carnations are still very scarce and prices are a little higher than usual. Roses are not too plentiful and just enough are coming to supply the needs. Sweet peas are also in limited quantities, and the quality of these is getting lower. Yellow daisies are here in abundance. Mignonette is the joke of the wholesale markets. Lily of the valley has also become scarce, and the only staple flowers that are in abundance are lilies. Some very good snapdragon is still coming in, and the demand for this is very good. Calla lilies are plentiful and are taking well. Sunburst roses of a fine quality can be obtained now without any trouble. The Mrs. Ward rose is coming in well also, but does not take nearly so well as does the Sunburst. Cattleys and Gardenias are both in abundance and are of fine quality. Smilax has been very scarce of late, but all other greens are being thrown away by the armload. Violets stopped arriving a week ago, but they are not missed very much, sweet peas taking their place to some extent. We are expecting the arrival of miniature gladioli any day. American Beauty roses are coming very nicely and most of them are of a very good quality. The wild smilax season is over now and what little is on hand is not good.

NOTES.

The decorations at the Zieger Co. and others at the automobile show were very attractive. The Zieger Co. did the greater part of the work. Among the decorations were 100 imported tropical song birds.

The new rose Mrs. Geo. Sawyer has arrived, but has not become very popular thus far. Pittsburgers, it seems, will always stick to the Killarney, as they think there will never be anything to surpass it.

A. T. Lorck of Allison Park has decided to grow nothing but carnations next season, his bulb stock being a failure. The carnations Mr. Lorck is cutting now are excellent.

F. H. Westhoff, the rose grower of Allison Park, is contemplating the putting up of a few new houses.

Karl Koenig is consigning some very fancy lilies to the Pittsburgh Cut Flower Co.

F. A. Suter is consigning some very fine sweet peas to the McCallum Co.

Mrs. Porter, the florist at Copeland station, died Wednesday, April 18.

Jos. Haube reports a big rush in funeral work.

The last bowling match was held on the club alleys with the following score:

A. W. SMITH CO.			
Garvin	86	85	80
Fein	94	81	83
Tipton	112	81	83
Demme	106	96	105
Totals	472	413	424-1309
THE McCALLUM CO.			
Spitzner	119	97	128
McFarland	87	90	83
E. J. McCallum	63	89	78
Geo. McCallum	107	121	97
Sisley	98	93	71
Totals	474	490	457-1421

Montreal, Que.

FINE WEATHER HELPS TRADE.

Trade has been quieter since Easter but the recent fine weather has made a big improvement. The quality of cut flowers is very good. The W. & H. Bruno Floral Co. is sending in some roses and carnations that are hard to beat. Violets are becoming off color and will soon be over. Sweet peas, stocks and antirrhinums are seen in

larger quantities than before and find a ready sale.

NOTES.

The past winter has been one of the mildest, but by present appearances one of the hardest on perennials, shrubs and roses. Hollyhocks, fox gloves and canterbury bells are in most cases completely killed out, and only a few in favored positions survived. Weigelia and lygustrum are badly killed back. Hardy and climbing roses also suffered severely. The prolonged January thaws, combined with heavy rains and followed by 15 below zero, seems to have done the mischief. Landscape gardeners and nurserymen are having a busy time this spring replanting not only frost killed stock but that which the last ice storm destroyed. Numerous shade trees have to be replaced. Besides this, the extra large amount of new work going on this year, and the scarcity of skilled labor, will make it quite a problem to do it all in an efficient manner.

The Montreal delegation to the International Flower Show, New York, was said to be the largest from any city in the United States or Canada. There were also delegations from Ottawa, Toronto, Brampton, London and Winnipeg. The exhibition was really great and fully repaid visitors for the time and expense. Among all the big things one stood higher than any other. It was the exhibit of roses on 200 square feet by A. N. Pierson, Inc., Cromwell, Conn., and the vase of Killarney Queen by the same firm. We quite expected to see big things but these two exhibits surpassed our most sanguine expectations.

The local seedsmen are in the midst of their busy season. Their files are full of orders and it will be some time before the last customer gets his order filled. Field seeding of onions, parsnip, salsify and the like has begun, and if the weather keeps warm many more varieties will be started. L.

Lancaster County Florists' Club.

Twenty-five members of this club made a visit to the greenhouses and seed establishment of Geo. W. Park at La Park, Pa., Thursday, April 17. The greenhouses are in charge of E. W. Byer, who grows some 600 varieties of plants in addition to the immense stock of bulbous and hard wooded stock found on the grounds, quite an undertaking for one man. The seed houses were a genuine hive of industry with a modern printing establishment turning out 600,000 of Park's Floral Magazine every month. Some idea of the business done here can be formed from the fact that one day's mail brought orders for over 500 tuberous begonias, that over a million gladioli bulbs are sold at retail by mail every year, and every imaginable variety of seed and mailable bulbs are sold in the same proportion.

After coming back to Lancaster, a meeting of the club was held at which every member but four was present. S. S. Pennock of the Pennock Meehan Co., Philadelphia, was the essayist and the attraction. His subject was "The Faults of the Grower in Growing and Consigning His Stock." It was exceptionally well handled, bringing out quite a discussion that has practically put an end to the pickling of stock in this section, and has determined the grower who grows less than 5,000 plants for bloom to consign his stock, to stick to from one to three varieties so that he may have them in reasonable quantity.

Thos. Fries read a paper on Easter stock which was well received and discussed. A committee was appointed to select a place for our summer picnic and make all arrangements.

Another committee was appointed to work out a co-operative system of buying and report at the meeting in September for action. After the meeting a large delegation escorted Mr. Pennock, Jas. Brown, of Coatsville, and C. P. Barnard, of Northbrook, safely through Lancaster's "White Way" to the station.

ALBERT M. HERR.

Some New Jersey Florists.

H. Schmidt, a well known florist of Fulton street, Weehawken, has bought the greenhouses of the late Chas. Zarembo, Church lane, New Durham. It is understood that Mr. Schmidt will remove the glass that he now has at the Fulton street place and re-erect it on the Zarembo property, taking possession this summer. The Zarembo range has long been noted for its fine geraniums and there is a good and well flowered stock of them there now. Mr. Schmidt is well spoken of by members of the craft and it is believed that his new venture will be successful.

J. H. Fiesser, of North Bergen, who specializes in table ferns, has a great stock of them coming on. If we said millions it might appear to some people like exaggeration, but it looks that way to us, with houses filled with seed flats and men busy picking them out and transplanting. He also has a good stock of Dorothy Perkins roses, hydrangeas, geraniums and other bedding plants.

Other New Jersey plantmen who are showing good stock in bedding plants are Charles Menne and August Menne of Church lane, Weehawken.

A new store is being erected by Rudolph Schwoerer of Hoboken, who will soon move to 108 Third street.

Elizabeth, N. J.

J. J. Brummer, who was with Henry Leahy for twenty years, from the time he left school until a year and a half or two years ago, has now a neat and commodious flower store of his own at 1155 Elizabeth avenue. He is doing a good business, carrying also a good line of seeds. He is a young and energetic man and his prospects look good to us.

A visit to the Elizabeth Nursery Co. April 18 showed that everybody was literally on the jump. Trees and shrubs of all kinds were being loaded and shipped out as fast as they could be handled.

The retail store of J. E. & A. G. Hutchinson, 227 Broad street, is one that might well attract attention in a metropolitan city. It is well located, has good arrangements and carries good stock.

George Wolfe of Summit, who has had experience in the cut flower business at that place, has recently accepted a position with John F. Martin in the Orchid Shop, 290 North Broad street.

A week of extremely wet weather has retarded the business of nurserymen as well as seedsmen. A. F. F.

King Construction Co.

W. J. Muth of Lansdowne, Pa., has been appointed representative of the King Construction Co. in Philadelphia and adjacent territory. Mr. Muth has been connected with the wholesale florist business for over twenty years in that city and is therefore well acquainted with the requirements of the trade. Growers in the Philadelphia territory can reach Mr. Muth by mail at Lansdowne, Pa., or through the general office of the King Construction Co., North Tonawanda, N. Y.

MATCHLESS

Awarded Two Gold Medals

AT the International Flower Show, Grand Central Palace, New York City, April 5th to 12th, MATCHLESS was awarded the American Carnation Society's Gold Medal; also the English Carnation Society's Gold Medal.

MATCHLESS is the greatest commercial carnation—easy to grow and a very free bloomer. A pure white flower of the highest quality, very fragrant, large, early blooming, non-splitting and exceptional shipping and keeping qualities.

To be disseminated Season 1913-14.

A large number of orders have already been booked and if earlier deliveries are desired, send in your orders NOW,

ROOTED CUTTINGS

\$12.00 per 100; \$100.00 per 1000

Cottage Gardens Co., Inc.
Queens, New York.

WE ARE GROWERS

BEAUTIES We are cutting the choicest buds with extra long stems in immense quantities. Prices, choicest long, \$3.00 per dozen; long seconds, \$1.50 per dozen. You can build a big trade on these. **Short Beauties.** Stems 6 to 10 inches long, \$2.00 to \$4.00 per 100.

ROSES Medium, in lots of 500 or more at \$3.00 per 100. Short lengths, in lots of 500 or more, \$2.00 per 100.

CARNATIONS Pink and White, in lots of 500 or more at \$20.00 per 1000.

All seasonable flowers at remarkably cheap prices.

We grow all the flowers we sell and guarantee their safe arrival in a perfect condition.

BUY DIRECT OF THE GROWER.

BASSETT & WASHBURN

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.
LONG DISTANCE PHONE, CENTRAL 1457.

Chicago.

BUSINESS GOOD.

Business has been good the past week but stock of all kinds with a few exceptions has been very plentiful. Roses are seen in good supply everywhere and some fancy stock is obtainable. Killarney and White Killarney are arriving in fine condition and some fancy My Maryland are to be had. Richmond are moving freely and fancy long stemmed American Beauty roses are having a good call and clean up well. The shorter grades of American Beauty are more plentiful and are being sold in large lots at bargain prices. There are plenty of carnations to go around but the prices might be better. Evidently some of the dealers must have a large surplus of carnations, for a retailer in a nearby state writes that he could buy all he wished at \$5.00 per 1,000, but it was probably from some other market, for the prices asked for here have been much higher. Lily of the valley has been very scarce and has sold in some instances as high as \$5.00 per 100. Orchids are none too plentiful and the better grades sell quickly at \$7.50 per dozen. Sweet peas are in good supply and the best are moving freely at \$1.50 to \$2.00 per 100. There is a great oversupply of short stemmed sweet peas but these are being sacrificed at bargain prices. Snapdragons of exceptionally fine quality are arriving in quantities. Spanish iris is very plentiful but lilies and callas seem to be holding their own. There are a few home double violets arriving as well as a number of home grown singles. Gladioli have made their appearance and some large shipments of Mrs. Francis King are now arriving from Florida. Trailing arbutus can be seen prominently displayed at some of the stores, but they

are moving well, some bunches bringing as high as 20 cents. Ferns have dropped a little again in price but a shortage in fancy stock is expected soon. Smilax is scarce and some houses are asking \$2.50 per dozen.

NOTES.

Poehlmann Bros. Co. is on deck as usual with its prize winning stock, fancy American Beauty roses being its principal offering at present. Spanish



Lawrence Story Washburn.

Junior Member of the Firm of
Bassett & Washburn.

iris in quantity and home grown double violets are also leaders here now. The supply department is enjoying a good season and is continually prospering.

Wietor Bros. always manage to dispose of their stock shortly after noon nowadays, thereby allowing N. J. Wietor to occasionally see his old friends, the White Sox, play the national game. This firm is cutting some choice Amer-

SPANISH IRIS

WHITE PINK YELLOW

LAVENDER

In Quantity. Write for Prices.

MISS OLGA TONNER,

162 N. Wabash Avenue,
CHICAGO.

ican Beauties and the supply is increasing in quantity daily.

Chairman August F. Poehlmann of the Chicago Trades Committee has called a meeting of the presiding officers of the various sub-committees, to be held at the Union Restaurant, Thursday, April 24, at 2:30 p. m. A full attendance is much desired to close important business.

Mrs. E. O. Weissinger and Miss Agnes DeWett of Beaumont, Texas, spent a few days in the city last week enroute to New York on their annual vacation.

The stockholders of the Chicago Flower Growers' Association held their regular quarterly meeting at their North Michigan avenue store on April 23.

The Fleischmann Floral Co.'s store on East Jackson boulevard was closed April 19-20 owing to the death of B. F. Reubel, the proprietor.

Wm. Fenniger and wife, of Toledo, O., renewed old acquaintances here this week.

The John C. Moninger Co. has issued an exhaustive boiler catalogue.

A Tremendous Cut of Fine Richmond

In All Lengths at \$4.00, \$6.00, \$8.00, \$10.00 per 100.

Current Price List

AMERICAN BEAUTIES—		Per doz.		Per 100
48-inch stems		\$4.00	Sunrise	\$4.00 to \$8.00
48-inch stems		3.50	Roses, our selection	3.00
36-inch stems		3.00	Carnations	2.00
30-inch stems		2.50	“ Fancy	3.00
24-inch stems		2.00	“ Splits	1.00
20-inch stems		1.50	Harrisii	10.00 to 12.50
18-inch stems		1.25	Valley	3.00 to 4.00
12-inch stems		.75 to 1.00	Sweet peas	.75 to 1.50
Short		.50	Tulips	3.00 to 4.00
Richmond		Per 100.	Adiantum	1.00
Killarney	Select	\$6.00 to 8.00	Asparagus, per bunch	.50
White Killarney	Medium	4.00 to 6.00	Ferns, per 1,000	2.00
My Maryland	Extra select	10.00		
Wards				

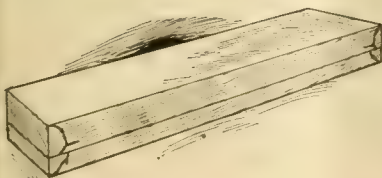
2,000,000 Feet of Modern Glass

PETER REINBERG

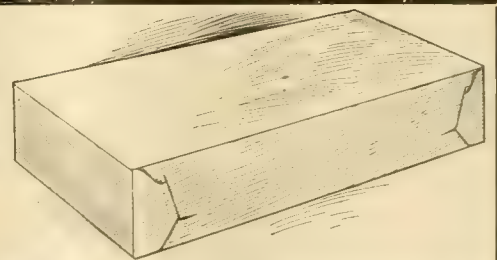
30 E. Randolph St.,

L. D. PHONE
CENTRAL 2846

Chicago



FOLDING FLOWER ..BOXES..



We can supply you with any size Flower Box you need. We carry the largest variety of colors. We can and do make prompt shipments at all times. Our prices are reasonable and a special discount will be allowed on quantity orders.

Palm Green, Mist Gray, Mist Brown.		White Glaze, Green Glaze, Pink Glaze.		Extra Heavy Spray and Design—Palm Green.		Extra Heavy Spray and Design—Mist Gray, Mist Brown.		Violet and Corsage Boxes.	
	Per 100		Per 100		Per 100		Per 100		White and Violet Glaze, Per 100
16x4 x3	\$1.85	16x4 x3	\$2.85	23x12x5, Telescope	\$7.50	30x12x6 Telescope	\$10.50	7x4x4	\$2.50
20x4 x3	2.15	20x4 x3	3.00	30x12x6	10.00	20x12x8	10.00	8x5x5	3.00
18x5 x3	2.15	18x5 x3	3.00	20x12x8	10.00	16x16x8	10.50	10x6x5 1/2	3.50
21x5 x3	2.50	21x5 x3	3.50	12x12x3	9.00	20x20x8	13.50	12x8x5 1/2	4.50
24x5 x3 1/2	3.00	24x5 x3 1/2	3.75	16x16x8	10.00	24x24x8	15.50	14x10x8, Telescope	8.50
30x5 x3 1/2	3.30	30x5 x3 1/2	4.50	20x20x8	13.00	24x24x10	20.00	Plain Violet.	
36x5 x3 1/2	4.50	36x5 x3 1/2	5.65	24x24x8	15.00	28x28x8	19.50	7x4x4	1.75
21x7 x3 1/2	3.25	18x6 x3 1/2	3.65	28x28x8	19.00	32x32x8	25.50	8x5x5	2.25
24x8 x4	3.85	21x7 x3 1/2	4.00	32x32x8	25.00	24x14x8	13.00	10x6x5 1/2	2.50
24x8 x5	4.15	21x8 x4	4.65	28x22x8	16.00	30x14x8	15.00	11x8x5 1/2	3.50
28x8 x4	4.35	24x8 x4	5.25	24x14x8	12.50	36x14x8	16.25	Mist Gray, Mist Brown, Palm Green.	
28x8 x5	5.00	24x8 x5	5.75	30x14x8	14.50	40x14x8	17.75	7x4x4	2.50
36x8 x5, Telescope	7.00	28x8 x4	6.00	36x14x8	16.00	42x17x8	20.50	8x5x5	2.75
40x8 x5	9.00	28x8 x5	6.50	40x14x8	17.50			10x6x5 1/2	3.00
42x8 x5	11.00	36x8 x5, Telescope	9.00	32x17x8	16.00			12x8x5	3.50
30x10 x5	7.00	40x8 x5	11.00	36x17x8	18.50			15x8x5	3.50
36x10 x5	9.00	42x8 x5	13.25	42x17x8	20.00			14x10x8, Telescope	6.00
42x10 x5	13.00	36x10 x5	11.00						
48x10 x5	15.00	42x10 x5	15.00						
		48x10 x5	18.00						

No printing charge on
lots of 300 or over of
assorted sizes.

Samples of board mailed on application.

A. A. Arnold, 16-18-20-22 S. PEORIA ST., **CHICAGO**
DEPT. F.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

BEAUTIES--ROSES--CARNATIONS

CURRENT PRICE LIST:

Buy from us and get the best stock in the market at the most reasonable prices. All late orders will be filled in full.

American Beauties

Per Dozen	Per Dozen
60-in. stems.....\$4 00	24-in. stems.....\$1 75
48-in. stems.....3 00	20-in. stems.....1 50
36-in. stems.....2 50	16-in. stems.....1 00
30-in. stems.....2 00	Short stems.....75

Killarney

Per 100	Per 100
Extra special.....\$ 8.00	Medium.....\$ 5.00
Selects.....7.00	Good.....4.00
Fancy.....6 00	Short stems.....3 00

My Maryland

Per 100
Fancy.....\$ 8 00
Good.....6.00
Short.....4.00

Sunburst

Per 100
Fancy.....\$10.00
Good.....8.00
Short.....6.00

Roses, our selection - - - \$3.00

Carnations Extra Special Red, Enchantress, Pink and White, \$3.00 per 100.

Richmond

Per 100
Extra specials.....\$ 8.00
Selects.....7.00
Fancy.....6.00
Medium.....5.00
Good.....4.00
Short stems.....3.00

White Killarney

Per 100
Extra specials.....\$ 8.00
Selects.....7.00
Fancy.....6.00
Medium.....5.00
Good.....4.00
Short stems.....3.00

Carnations Good Red, Enchantress, Pink and White, \$2.00 to \$2.50 per 100.

FERNS, per 1000.....	\$2.00
SMILAX, per doz.....	2.00
ADIANTUM, per 100.....	1.00
GALAX, per 1000.....	1.00
SPRENGERI, per bunch.....	.60
ASPARAGUS SPRAYS, per bunch.....	.60
LILIES.....per 100, \$10.00 and 12.50	

Fred Hoerber says that the insurance on Hoerber Bros.' greenhouses, which were recently partially destroyed by the heavy storm, has been settled very satisfactorily by Florian D. Wallace, who carried the risk. A carload of material for Hoerber's new stack has been delivered and building operations at Des Plaines will commence soon.

F. Jerome's many friends are pleased to hear that Mrs. Jerome is recovering from her recent illness and that she will soon be able to be about. Mr. Jerome is better known in the trade as the manager of the American Importing Co., with offices in the Temple Court building, South Dearborn street.

Percy Jones had an unusually good Saturday, on April 19, when the force was on the jump filling the many orders that were booked. This firm is building up a fine shipping trade in both cut flowers and supplies, and now has a long list of desirable customers.

Erne & Klingel have had a very good week and succeeded in disposing of nearly all their stock at good prices. They are still receiving regular shipments of the Geo. Wittbold Co.'s choice Killarney, White Killarney and My Maryland roses.

Bassett & Washburn are having a good run on American Beauty roses of which they are cutting quite heavily at present. Trade at this store has been good all week, April 19 being an exceptionally good Saturday.

John Michelsen, with the E. C. Ameling Co., expects to see a shortage in fancy ferns before Memorial day. The Ameling Co. is showing a new pink snapdragon that is unusually fine and is grown by A. A. Frey.

Mrs. J. B. Deamud is visiting her son, Wilder, who is in the retail business at Bay City, Mich. She will also

PERCY JONES

L. M. JONES Secy.

(Inc.)

H. VAN GELDER, Pres.

YOU ARE LOSING MONEY

Every week you are not receiving our Special Price List of Cut Flowers and Supplies. Write right now and get on our mailing list TODAY.

56 E. Randolph St., Chicago

spend a few weeks at the farm before returning home.

The Chicago Carnation Co.'s baseball team opened its season at Joliet last Sunday, April 20, when it defeated the Elks of that city by a score of 4 to 2.

Frank Stuppy, of St. Joseph, Mo., returning home from the National Flower Show in New York saw the Naps defeat the Sox here by a score of 9 to 2 on April 19.

Zech & Mann have disposed of several shipments of magnolia blooms the past week, and are now handling lupines in large quantities.

The Hughes Plant Co., on Douglas boulevard, has a nice lot of seasonable shrubs lined along the front of the greenhouses and they are moving rapidly.

John Kruchten is handling a supply of Oscar Leistner's natural prepared oak leaf wreaths as a side line which promise to be in big demand for Memorial day.

R. Parker, the American Importing Co.'s city salesman is now quite often called "Gold-Letter Dick."

Mrs. Simpson, 3656 Ogden avenue, keeps an attractive window and reports business brisk.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

LARGE SUPPLY OF FANCY

**Carnations,
ROSES,
Valley, Lilies,
Sweet Peas,
And all Seasonable Stock.**

Current Price List. Subject to change without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$2.00	1.50
Killarney.....per 100	8.00	6.00	5.00	4.00	3.00
White Killarney.....	8.00	6.00	5.00	4.00	3.00
My Maryland.....	8.00	6.00	5.00	4.00	3.00
Richmonds.....	8.00	6.00	5.00	4.00	3.00
Mrs. Aaron Ward.....	8.00	6.00	5.00		
Sunburst.....	8.00	6.00	5.00		
Carnations.....	4.00	3.00	2.00	1.50	
Callas.....	12.50	10.00			
Lily of the Valley.....	4.00	3.00			
Violets, Extra fine single.....	1.50	1.00			
Double.....	1.00	.75			
Sweet Peas.....	1.50	1.00	.75		
Jonquills.....	4.00	3.00			
Tulips.....	4.00	3.00	2.00		
Easter Lilies.....	12.50	10.00			
Daisies.....	1.50	1.00			
Asparagus Plumosus Sprays..	4.00	3.00	2.00		
Asparagus Sprenger Sprays..	3.00	2.00			
Mexican Ivy.....	.60				
Smilax.....	16.00	12.50			
Galax, Green and Bronze.....per 100C	1.00				
Ferns.....	2.00				
Boxwood.....bunch	.25				
Adiantum.....per 100	1.00	.75			

Chas. W. McKellar is another one of the local florists who is planning on making the trip to the S. A. F. convention in Minneapolis next August by auto, providing the weather is at all favorable. His bookkeeper, Miss Marie Olmert, will leave soon for a cruise among the Thousand Islands.

A. L. Vaughan left on April 20 for Milwaukee, Wis., to receive treatment for rheumatism at the Sacred Heart Sanitarium. John Zech, who had formerly received treatment there, accompanied Mr. Vaughan on the trip, returning home the following Monday.

Robt. Northam says that trade has been very good at George Reinberg's store the past week, the demand being principally for Richmond roses.

L. Hoeckner, better known as "Stogie," will again operate the flower booths at Riverview park, which opens on May 14.

The Batavia Greenhouse Co. is cutting heavily in American Beauty roses but is finding a ready market for all its stock.

Dwight L. Harris reports that the Pulverized Manure Co. is having an unprecedented demand for its Wizard brand.

J. J. Leborious of Duluth, Minn., was in the city on business several days last week, returning home on April 20.

Miss Paradise is again attending to her duties as cashier at A. L. Vaughan & Co.'s store after a week's illness.

Kennicott Bros. Co. had several large shipments of Mrs. Francis King, gladoli from Florida this week.

The Raedlein Basket Co. is busy with interior decorations at its Milwaukee avenue store.

The Des Plaines Floral Co. is at present shipping fancy snapdragons to this market.

B. Abrahamson will move into his new store at 915 Blue Island avenue on May 1.

The Chicago Great Western has been named the Official Route of the Chicago Florists' Club to the Minneapolis Convention, August 19th to 22nd.

The Chicago Florists' Club will leave Chicago by Special Train at 6.15 p. m., August 18th, an invitation is extended to all eastern Florists and their friends and families to join them at Chicago and go to the convention in a body.

Special train will be "up-to-the-minute" throughout—including compartment and drawing room and standard sleepers, Buffet Club car, dining cars, Observation parlor, etc., etc.

For berths and information address,

**A. L. CRAIG, General Pass. Agt.,
1139 People's Gas Bldg., CHICAGO, ILL.**

 **Chicago** 
Great Western

"The Busiest House in Chicago."

—TRAILING ARBUTUS—

Good supply of fine fresh stock daily from Wisconsin and Michigan. Also Carnations, Sweet Peas, Daisies, Jonquils, Lilies, Callas and all kinds of Greens.

QUANTITY

QUALITY

ORDER TODAY.

J. B. DEAMUD CO.

Phones Central 3155. 160 N. Wabash Av., CHICAGO
Auto. 44-389.

Several of the members of the league participated in the state tournament which opened at Bensinger's West Randolph street alleys April 19. Unfortunately the boys were slated to bowl the opening night, so the reader would do well not to criticize the showing made. In the two-men team contests Price and Berg rolled 957, A. Zech and Lorman 990, and Ayers and Huebner 963. In the individual contest A. Zech rolled 544, Lorman 469, Ayers 528, Huebner 437, Price 511, and Berg 499. In the five-men team contests Huebner rolled 465, Graff 453, Wolf 505, Price 427, and A. Zech 503, making a total of 2,353 pins.

Lawrence Story Washburn, son of E. B. Washburn, junior member of the firm of Bassett & Washburn, will celebrate his second birthday on April 27. Lawrence is at Pasadena, Calif., at present, where his parents are now located, but some day he will return and manage the Bassett & Washburn business in this city.

Frank Beu, H. C. Blewitt, Sinner Bros., A. E. Hunt & Co. and M. C. Guntenberg will move on May 1 to 56 East Randolph street in the building formerly occupied by Henry Wittbold. Henry Wittbold will continue in business and will make his headquarters at 56 East Randolph as before.

Tim Matchen says that the Richmond was the principal selling rose at the Peter Reinberg store during the past season, Killarney and White Killarney not doing as well as in former years.

J. A. Budlong is enjoying a busy season and is cutting heavily in all lines of stock. His lily of the valley is moving quickly at good prices.

Miss Olga Tonner reports a good demand for Spanish Iris which she is now featuring in quantity and in all the leading varieties.

Weiland & Risch are supplying their trade with about as complete a line of stock as any other one grower in this city.

A. L. Randall Co. is handling some appropriate cut flower boxes for Mothers' day that are considered out of the ordinary.

Joseph Ziska's wire department is busy as ever and the men are still working overtime to catch up on orders.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

Visitors: J. J. Leborious, Duluth, Minn.; Frank Stuppy, St. Joseph, Mo.; R. Goethje, Jr., Rock Island; Mrs. M. E. Hollcraft, Topeka, Kans.; Wm. Feniger and wife, Toledo, O.

Cook County Florists' Association.

The regular monthly meeting of the Cook County Florists' Association was held at the Tavern, West Washington street, on April 17. President Kohlbrand in the chair. D. Papatony, 218 West Madison street, Frederick Chas. Price, 5823 Drexel avenue, George Wietor, 2133 Devon avenue, and Peter Tremulis of Aurora were elected as members and the application of Fred. J. Krauss was read.

Allie Zech reported that the Milwaukee bowlers were entertained here on April 13 when a return game was played resulting in favor of the locals. He also reported that the league had entered a five men team and three two men teams in the state bowling tournament which was to open at Bensinger's West Randolph street alleys on the following Saturday.

Peter Pearson, chairman of the publicity committee, read a very interesting paper on advertising, and Mr. Shelton, of the Chicago Car Advertising Co., addressed the meeting for a few minutes. There was some talk about doing a little street car advertising but the matter was deferred until A. Henderson, who represented the Association at a recent meeting of the National Publicity Committee in New York, made his report.

H. E. Philpott gave an interesting account of his trip in England and the National Flower Show which was recently held in New York. An acknowledgment of the donation to flood sufferers which was received from the Flood and Relief Committee, was read at this meeting by the president.

J. J. Leborious, of Duluth, Minn., was in attendance.

Anyone desiring

Orange Blooms or Cut Flowers

Can obtain same by addressing

B. Eldredge Greenhouses
BELVIDERE ILL.

Chicago Bowling.

C. C. F. LEAGUE.

Wm. Wolff broke the high game score record for the season on April 16 when he rolled 252 in the last game of the evening's schedule. The Violets broke the record for high team scores with a total of 936 pins, which, with their other two good scores that evening, gives them the lead in the high three-game average for the season.

Team Standing.

	Won.	Lost.		Won.	Lost.
Roses	45	33	Violets	36	42
Orchids	40	38	Carnations	35	43

Individual and team scores for games played April 16:

Violets.		Orchids.	
Huebner	200 135 147	Krauss	174 176 193
Jacobs	183 160 189	Graft	158 141 157
Wolf	142 120 252	Brostrom	174 136 86
Schultz	223 156 138	Econ'plus	131 153 141
J. Huebner	180 145 200	J. Zech	161 157 141

Totals...928 766 936		Totals...798 744 817	
Carnations.		Roses.	
Lorman	178 142 125	Goerisch	167 122 123
Lieber'n	156 126 170	Kohler	153 143 166
Armstrong	156 165 118	Byers	169 164 197
Ayers	158 240 200	Price	170 180 178
A. Zech	225 145 185	Fischer	177 183 183

Totals...873 828 798		Totals...836 792 845	
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PORTLAND, ORE.—Prof. Peck of the Oregon Agricultural College gave an illustrated lecture on flowers at the Portland Branch Library April 15. The lecture proved of much interest, especially to competitors in the garden contest.

ANNOUNCEMENT

Beginning next Thursday, May 1st, the following growers will sell their own stock in the quarters now occupied by Henry Wittbold, 56 E Randolph Street, Second Floor:

Frank Beu H. C. Blewitt Sinner Bros.
M. C. Gunterberg A. E. Hunt & Co.

These growers have a large variety of stock which will make this one of the best sales quarters in the **Great Central Cut Flower Market**—a store where fresh stock will be obtainable at all times.

H. WITTBOLD will continue in the wholesale commission business and calls attention to the fact that his store is headquarters for **WILD SMILAX**, **Choice MEXICAN IVY** and **MAGNOLIA LEAVES**.

H. WITTBOLD,
56 E. Randolph St., Phones (Randolph 4708—Office (Rogers Park 227—Nursery **Chicago**

Davenport, Ia.

BAD WEATHER, LITTLE BUSINESS.

Business for the past week has been rather quiet with only a few weddings or funerals of any consequence and very little activity in the social line. There is plenty of first-class stock to meet all the demands with quite a little surplus. A week of cloudy, dismal weather has discouraged everybody and very little is doing in any line.

NOTES.

A club of this city has offered prizes amounting in all to \$375 for the best improvement made on a city lot. The amount is divided into some 40 different prizes—the first of \$100—so arranged that the poor man stands as much of a show as the rich. The owner or one of his family must do all the work. No help of any kind is permitted. The mayor has added \$75 more to the above amount, his prize to go to improvement of the back yard and alley.

CLUB MEETING.

The Tri-City Florists' Club met at the home of H. Bills of Davenport on the evening of April 10 and in spite of the disagreeable weather every member, with the exception of two, was present. The following officers, elected at the March meeting, were installed, ex-President Ewoldt introducing them: John Staack, Moline, president; Edw. Patton, Rock Island, R. Rohlf, Davenport, — Sorenson, Moline, vice-presidents; Wm. Goos, Bettendorf, corresponding secretary; A. Anderson, Moline, financial secretary; Wm. Knees, Moline, treasurer. Henry Pauli gave a lengthy and interesting talk on concrete benches and cement for greenhouse construction. Edw.

O. R. ECKHARDT CO.
 Wholesalers of Cut Flowers and Florists' Supplies **St. Paul, Minn.**

Patton spoke on rose culture and the Chicago Spring Show. A. Anderson, who won a first prize on carnations at the Chicago show, also gave a talk on the show and on the newer varieties of carnations. C. Pruner, our Chicago member, was present and helped to entertain the boys. A fine hot supper and a social hour followed routine business. Wm. Knees of Moline will entertain the members on the evening of May 8. T. E.

San Francisco.

TRADE AGAIN NORMAL.

Trade conditions have resumed their normal state, the dullness of last week being only a delayed after-holiday effect. With the resumption of social activities business should be steady until the annual exodus of pleasure seekers to the country takes place. There is a noticeable scarcity of flowering plants in the shops this week. A small lot of giant amaryllis sent in by E. James & Co. is the best offered. A few belated rhododendrons and azaleas help some, which cannot be said of the hydrangeas, coming in, as they do, with half developed blooms. Cut flowers are good and quite plentiful at prices fair to all. Carnations are much improved. Orchids are slow, so is the demand, but a few offerings of Cattleya Mossiae

**Kennicott
 Bros. Co.**

Wholesale Cut Flowers

**BOXWOOD—Extra Fine,
 \$7.50 per case.**

**163-165 N. Wabash Av.
 CHICAGO**

L. D. Phone Central 466

are very fine and create their own demand. This applies in a hardly less degree to other really good stock—it always sells. Violets are waning, and bulbous stock, with the exception of freesias and Darwin tulips, are gone. Sweet peas and lilac, both outdoor

Roses==Carnations

Gladioli, Snapdragons, Spanish Iris, SWEET PEAS,
LILIES, TULIPS, VALLEY, ORCHIDS and All Other
Seasonable Flowers and Greens at Lowest Market Prices.

A. L. VAUGHAN & CO.

161 N. Wabash Ave.,

(NOT INC.)

L. D. Phone:
Central 2761

CHICAGO

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street

L. D. Phone, Randolph 6578

CHICAGO, ILL.

stock, are coming in well and move readily. Lily of the Valley and lilies are in good demand and maintain even prices. Peonies sell well, but are later this season.

NOTES.

At the current meeting of the Pacific Coast Horticultural Society the appalling disaster which befell Dayton, O., and vicinity, and the probability that many in the trade would be among the suffering was considered at length. The majority of the members had already contributed to the Red Cross fund, but, desiring as a society that a special effort be made to assist members of the trade in urgent need, a committee composed of Daniel MacRorie, Angelo J. Rossi and E. W. McLellan was appointed to get in touch with the scene of the calamity. The committee was voted \$150 for their immediate use; if needed a special fund will be raised in this city from the growers and florists. Proposed new by-laws were given the first reading. E. W. McLellan showed a vase of very select Frau Karl Druschki roses and was awarded 95 points. An exhibit of giant amaryllis by the E. James Co. was given 95 points. The MacRorie-McLaren Co. was awarded 90 points for a fine specimen rhododendron and H. Plath received 90 points for some well-flowered primulas. The judges for the evening were Jos. Thompson, Rich. Lohrmann and Chas. Abrahams. M. A. Hofinghoff was elected corresponding secretary, vice L. F. Taylor, resigned. New members elected at this meeting are: Jas. Cant, Thos. Munroe and Jas. Lindridge, all of Ross Station, Marin county.

Julius Epstein of the California Florists recently executed a very handsome decoration in the Colonial room of the St. Francis hotel, the occasion being a dinner given by his uncle, Henry Rosenfeld. A fine garden effect was obtained by the liberal use of tall palms and shrubs interspersed with groups of azaleas, rhododendrons and kalmias and bordered with primulas. Suspended over each of the twenty tables was a large Indian umbrella from which the cover had been stripped and replaced by an

artistic floral arrangement, the ribs being outlined with smilax which was allowed to fall from the ends. No two were alike, a different flower predominating in the arrangement of each umbrella. In the ultimate arrangement much care was taken to preserve the color harmony. The general effect was artistic and elegant and was much admired.

The Retail Florists' Association of this city was reorganized this week with the following officers: Fred Jaeger, of the Fairmont Floral Co., president; Victor Podesta, vice-president; Miss May Hannon, treasurer; Julius Epstein, secretary. Among other matters concerning the retailers the association will immediately move for the passing of a stringent municipal ordinance prohibiting the maintenance of street stands by hawkers for the sale of flowers or other commodities. At the next meeting an active executive committee will be appointed to represent the association before the board of supervision at such time as the proposed ordinance shall be considered. The meeting was well attended, every shop in the city being represented.

Encouraged no doubt by the splendid sales of all recent holidays, much building may be looked for this summer. The Ferneries (H. Plath, proprietor) are being enlarged by the addition of two houses, each 26x150 feet. A. Picetti is putting up six houses 25x125 feet at his new place on San Jose avenue.

The E. W. McLellan Co. is sending in a quantity of Bridesmaid and Druschki roses, superbly done; better blooms have never been seen at the shows. The firm received a carload of glass last week to be used in the construction of several new houses for the growing of more of this stock.

Hogan & Kooley of Oakland have issued a trade catalog of Holland bulbs for this season. The firm is making a specialty of direct shipments and reports very satisfactory results for the last year.

The San Joaquin Floral Co., of Stockton, was attached last week by Mrs. R. E. Darbee, a local florist and decorator.

T.

Magnolia Leaves

Cycas Leaves
AMERICAN OAK SPRAYS
Ruscus

Write for samples.

OSCAR LEISTNER, 17 North Franklin Street
CHICAGO

Selling Agents for OVE GNATT Hammond, Ind.

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,
713-717 Milwaukee Ave., CHICAGO

Nassau County Hort. Society.

The monthly meeting of this society was held at Pembroke hall, Glen Cove, N. Y., Friday, April 18. President Brown was in the chair and called the meeting to order at 7:30 p. m. One new member was elected. Communications were read from the following offering special prizes for the fall show: C. H. Totty, Madison, N. J.; Burnett Bros., New York; Peter Henderson & Co., New York; W. E. Marshall & Co., New York; Weeber & Don, New York; Hitchings & Co., New York; A. T. Boddington, New York; Stump & Walter Co., New York. The judges of the evening's exhibits were Messrs. Marshall, Gilder and Robinson. They awarded a certificate of culture to V. Cleres for well grown plants of Hydrangea hortensis; first prize to H. Gaut for 12 Darwin tulips, variety Clara Butts. The schedule for the summer show was read and approved and judges for the fall show were elected. The next meeting will be held May 14 at 7:30 p. m.

JAMES MACDONALD, Sec'y.

MANSFIELD, O.—Mrs. Andrew Winget, aged 32 years, wife of Andrew Winget, a well known florist, died at her home April 17 after an illness of two years. She underwent an operation last May but it was not successful. She was a great lover of flowers and ably assisted her husband in the greenhouses and the store.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House
 68 E. Randolph Street, Phone Central 7720. CHICAGO
Everything in Cut Flowers and Supplies.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids, Violets and Other Seasonable Stock.

Long Distance Phone
 Central 3598.

We have a big supply of
Mexican Ivy
 and a surplus of choice
MAGNOLIA LEAVES.

H. WITTBOLD
 56 Randolph St., CHICAGO
 Phone Randolph 4708

Joseph Ziska
 151-153 N. Wabash Ave., CHICAGO
 Wire Designs and Wholesale
 Florists' Supplies
 Write for Our New Catalog

ZECH & MANN
 Wholesale Florists
 Room 218, 162 N. Wabash Av., Chicago
 Telephone, Central 3284.

John Kruchten,
 Wholesale Cut Flowers
 162 N. Wabash Ave., CHICAGO
 ROSES and CARNATIONS
 Our Specialties.

HOERBER BROS.
 Wholesale Growers of Cut Flowers
 Telephone Randolph 2758.
 Greenhouses: DES PLAINES, ILL.
 Store: 162 N. Wabash Ave., CHICAGO

Flower Colors
 Use our COLOR CHART in describing them
 PRICE, \$1.00 POSTPAID.
American Florist Co.,
 40 S. Dearborn St., CHICAGO

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS
 And All Other Seasonable Flowers
 at Lowest Market Prices. 30 E. Randolph St., CHICAGO

E. C. AMLING CO.

THE LARGEST,
 BEST EQUIPPED,
 MOST CENTRALLY LOCATED
 WHOLESALE
 CUT FLOWER HOUSE
 IN CHICAGO.

68-70 E. RANDOLPH STREET
 CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, April 23.	Per doz.
Roses, Beauty, specials.....	\$4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 28-in.....	2 00
" " 15-20-in.....	1 25@1 50
" " 12-in.....	75
" " Short.....	\$6 00
" Killarney.....	4 00@10 00
" White Killarney.....	4 00@10 00
" Richmond.....	4 00@10 00
" Prince de Bulgarie.....	4 00@12 00
" Radiance.....	4 00@12 00
" My Maryland.....	4 00@10 00
" Melody.....	4 00@12 00
" Mrs. Jardine.....	4 00@10 00
" Lady Hillingdon.....	4 00@12 00
" Sunburst.....	4 00@12 00
Carnations.....	1 00@4 00
Daffodils.....	3 00
Cattleyas.....per doz., 6 00@7 50	
Gardenias.....	2 00@4 00
Lilium Harrisii.....	10 00@12 50
Valley.....	3 00@4 00
Sweet Peas.....	1 00@1 50
Adiantum Croweanum.....	1 00
Boxwood.....per lb.,	25
Ferns.....per 1000, 2 00@2 50	
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy.....per 1000, 5 00@6 00	
Plumosa Strings.....each, 50@60	
Smilax.....per doz., 2 00@2 50	
Sprenger, Plumosa Sprays.....	3 00@4 00

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond, Killarney and White Killarney roses. All orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO
 Mention the American Florist when writing

Wietor Bros.

Wholesale Growers of CUT FLOWERS
 All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO
 Mention the American Florist when writing

Chicago Carnation Co.

Wholesale Florists,
 30 E. Randolph St., Chicago
 L. D. Phone, Central 3373.

Mention the American Florist when writing

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS
 162 N. Wabash Ave., CHICAGO
 Long Distance Phone, Randolph 3619.
 Mention the American Florist when writing



C.C. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and **Greens**

Green Sheet Moss

For lining hanging baskets, for decorating
show windows, for covering soil on pot
plants, etc. 1 Bale (5 bundles).....\$1.25
5 bales (25 bundles).....6.00

GEO. H. ANGERMUELLER,

Wholesale Florist. ST. LOUIS, MO.

Philadelphia.

ROSES OFF CROP.

Dull, rainy weather had a bad effect on the stock, which has not graded as high as usual the past week. There has been a fair demand, however, and the market has cleared up very well at fair prices. Most of the roses are reported off crop. There are not half as many coming in as there were two weeks ago. American Beauty roses that have been so plentiful were last week behind the demand and stiffened a trifle in price. My Maryland are seen in good shape and from now on will be quite a factor. Lady Hillingdon is still in good demand. It is one of the best of the new roses. Carnations are scarcer. They seem also to have been affected by the adverse weather. Prices have advanced twenty-five per cent. There are still a few Lady Campbell violets but their season will surely close this week. The sweet pea supply does not generally last the day out, shipments from all growers being light. Snapdragon is one of the staples, selling very well. Cattleyas are in good demand, selected flowers bringing good prices. Gardenias move off freely but a large supply keeps the prices low.

NOTES.

The Robert Craig Co. has got together an immense stock of bedding plants, including begonias, geraniums, salvias, periwinkle and other like plants by the ten thousand. It will take considerable hustling to move them all before the close of the season.

At the Leo Niessen store American Beauty roses are a feature. Several of the largest growers of these flowers send their entire cut to this house. Carnations and snapdragons are also seen in large quantities.

The M. Rice Co. is very busy with wedding requisites, and preparations for Memorial day. Magnolia leaves are being sold by the pound in case lots instead of by the thousand leaves.

The second Sunday in May will soon be here but there has not as yet been much said about Mother's day. Now is the time to lay plans to get the public in a receptive mood.

The M. Rice Co. report that unusually large orders have been placed for Memorial day metal goods.

Berger Bros. are strong on sweet peas. Killarney and Richmond roses are also a feature.

Those from this city who took part in the recent National Flower Show at New York are not at all afraid of the great undertaking it will be to go this truly grand exhibition one better. This

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, April 23.		Per 100
Roses, Beauty, extra.....	50	00@60 00
" first.....	20	00@35 00
" Brides and Maids.....	4	00@12 00
" Killarney.....	4	00@15 00
" White Killarney.....	4	00@15 00
" Liberty.....	6	00@15 00
Carnations.....	3	00@5 00
Cattleyas.....	35	00@50 00
Daffodils.....	2	50@3 00
Freerias.....	3	00@600
Gardenias..... per doz., 1 00@2 00		
Lilium Harrisii.....	8	00@12 00
Lily of the Valley.....	3	00@5 00
Calla Lilies.....	10	00@12 00
Marguerites.....	1	50@3 00
Snapdragons.....	10	00@20 00
Sweet Peas.....	75	@1 50
Violets, single.....	75	@1 00
" double.....	75	@1 00
Asparagus..... per bunch, 50		
Tulips.....	2	00@4 00

PITTSBURG, April 23.		Per 100
Roses, Beauty, special.....	50	00
" extra.....	30	00
" No. 1.....	15	00
" Killarney.....	3	00@10 00
" My Maryland.....	3	00@10 00
" Richmond.....	3	00@10 00
Carnations.....	3	00
Calla Lilies.....	12	00
Freerias.....	3	00
Gardenias.....	3	00
Daisies.....	2	00
Cattleyas.....	50	00
Violets.....	50@	75
Sweet Peas.....	75@	1 00
Lilium Longiflorum.....	12	00
Lilium Rubrum.....	8	00
Lily of the Valley.....	4	00
Daffodils.....	3	00
Tulips.....	3	00
Paper White.....	3	00
Romans.....	2	00
Poeticus Narcissus.....	1	00
Oncidiums.....	4	00
Lilac..... per bunch, \$1 00		
Asparagus Sprengerii, per bunch, 35@40		
Sprays..... per bunch, 35@40		

MILWAUKEE, April 23.		Per 100
Roses, Beauty, per doz., 2 00@5 00		
" White and Pink Killarney.....	3	00@8 00
" Richmond.....	3	00@8 00
Carnations.....	1	50@3 00
Callas..... per doz., 8 00@10 00		
Easter Lilies.....	6	00@10 00
Lily of the Valley.....	3	00
Sweet Peas.....	50@	1 00
Tulips.....	2	00@3 00
Trumpet.....	2	00@3 00
Violets, Wisconsin grown.....	50@	75
Asparagus..... per string, 50		
Sprengerii, per bunch, 35		
Ferns, fancy..... per 1000, \$2 50		

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,
142 North 13th St., PHILADELPHIA, PA.
Easter Lilies, Tulips, Daffodils, Violets,
all the popular roses. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES
C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.

Supplies and Everything in Season always on hand

BEAUTIES, The Best \$20.00 per 100.

For quality our supply of Beauties will find no equal.
Every one a good flower, carefully selected stock.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

Edward Reid

WHOLESALE FLORIST,
1619-21 Ranstead St., PHILADELPHIA, PA.
Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

city as a horticultural center is second to none in this country and with the great convention hall to spread out in where a bird's eye view of the whole display could be seen from the galleries, a garden effect could be worked out with the various exhibits that would surpass anything that has been seen so far.

E. G. Hill, Richmond, Ind., and H. Papworth, New Orleans, La., were recent visitors.

Baltimore.

The country appeared very beautiful Saturday as a party consisting of I. H. Moss, Mrs. Moss, W. Price and T. C. Stevenson and sister motored to Cowenton and on to White Marsh, the farm of R. Vincent, Jr., and the "home of the dahlia." Mr. and Mrs. Vincent welcomed the party and they were shown over the large area of glass, containing bedding stock of all varieties, including geraniums, coleus, fuchsias, heliotrope, chrysanthemums, cannas in bloom, dahlias in bloom, and hundreds of other plants. Fruit trees in that section and all outdoor shrubbery were found more advanced than in the section nearer the city, and although a biting wind was blowing all reported an enjoyable trip.

The nurserymen's season is practically over. The advanced spring and rains of the previous week caused the work of planting out trees and shrubbery to cease.

Manager J. Perry of the Florists' Exchange is still receiving congratulations on the arrival of a new daughter a few weeks ago.

Boston.

With a rainy cold week business has not improved much from the last report. Carnations still are good property. The echoes of the New York show still are heard, and those who were fortunate enough to be there sound the praises of their New York brethren.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids
BEST PRODUCED
226 Devonshire Street, BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, April 23.		
Roses, Beauty, special.....	per doz.,	\$4 00
" " fancy.....	" "	3 00
" " extra.....	" "	2 00
" " No. 1.....	" "	1 00
" " No. 2.....	" "	50@ 75
Per 100		
" Maid and Bride.....	3 00@	6 00
" Pink Killarney.....	3 00@	10 00
" White Killarney.....	3 00@	10 00
" Richmond.....	5 00@	10 00
" My Maryland.....	3 00@	8 00
" Aaron Ward.....	4 00@	6 00
" Kaiserin.....	4 00@	8 00
" Carnot.....	4 00@	8 00
Carnations.....	1 00@	2 50
Lilium Longiflorum.....	10 00@	12 00
Lily of the Valley.....	3 00@	4 00
Pink Japan Lily.....	3 00@	5 00
Narcissus.....	2 00@	3 00
Jonquils.....	2 00@	3 00
Violets.....	40@	60
Mignonette.....	2 00@	4 00
Daisies.....	1 00@	1 50
Sweet Peas.....	50@	1 00
Asparagus, per bunch.....	35@	50
Asparagus, Sprenger.....	35@	50
Ferns.....	per 1000,	\$2 50
Galax.....	per 1000,	\$1 50
Smilax.....		15 00

BOSTON, April 23.		
Roses, Beauty, best.....	25 00@	30 00
" " medium.....	12 00@	20 00
" " culls.....	4 00@	4 00
" White and Pink Killarney	2 00@	6 00
" " Extra.....	4 00@	8 00
" Taft.....	4 00@	10 00
" Cardinal.....	2 00@	10 00
" Ward and Hillingdon.....	2 00@	8 00
" Killarney and Richmond.....	2 00@	8 00
" My Maryland.....	2 00@	8 00
Carnations, select.....	2 00@	3 00
Callas.....	8 00@	12 00
Cattleyas.....	25 00@	40 00
Gardenias.....	12 00@	25 00
Lilium Longiflorum.....	8 00@	10 00
Lily of the Valley.....	2 00@	4 00
Sweet Peas.....	50@	75
Smilax.....	12 00@	16 00
Violets, single.....	35@	75
" double.....	25@	50

CINCINNATI, April 23.		
Roses, Beauty.....	per doz.,	\$1 00@ \$4 00
Per 100		
" Bride, Bridesmaid.....	3 00@	8 00
" Killarney.....	3 00@	8 00
" My Maryland.....	3 00@	8 00
" Perle.....	3 00@	8 00
" Richmond.....	3 00@	8 00
" Taft.....	3 00@	8 00
Carnations.....	2 00@	3 00
Callas.....	10 00@	12 00
Lilium Giganteum.....	10 00@	12 00
Lily of the Valley.....	3 00@	4 00
Orchids.....	per doz.,	4 00@ 6 00
Tulips.....	2 00@	4 00
Dutch Hyacinths.....	3 00@	4 00
Spanish Iris.....	4 00@	4 00
Sweet Peas.....	35@	1 00
Asparagus Plumosus.....	per bunch,	25
Snaptadragon.....	4 00@	8 00



Give Us a
rial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

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J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
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Special attention given to Shipping Orders

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SEEDS and BULBS.**

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Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO
Wholesale Commission Florists
Consignments Solicited
Complete Stock of Florists' Greens and Supplies

St. Louis, April 23.		
Roses, Beauty, long.....	per doz.,	4 00
Roses, Beauty, medium.....	8 00@	15 00
Roses, Beauty, short stems.....	3 00@	8 00
" Killarney.....	3 00@	8 00
" My Maryland.....	3 00@	8 00
" White Killarney.....	3 00@	8 00
Carnations.....	1 00@	2 50
Lilium Rubrum.....	8 00@	8 00
Valley.....	4 00@	4 00
Sweet Peas.....	20@	60
Asparagus Sprenger.....	2 00@	3 00
Asparagus Plumosus, per bu.....	35@	60
Ferns, New, Fancy.....	2 00@	2 00
Galax.....	per 1000,	1.25

In The Heart of New York

New Flower and Fruit Store

JOHN S. NICHOLAS

The Old Established High Class Florist

Has opened a Magnificent Flower and Fruit Establishment on the Forty-Second Street side of the **New Grand Central Terminal Station, New York City.** It will be the most beautiful, artistically arranged, and completely stocked and equipped place of its kind in the City.

The facilities of this Store for the satisfactory execution of Mail, Telephone and Telegraphic Trade Orders at Steamers, and Elsewhere in New York City and its Suburbs, are unsurpassed.

JOHN S. NICHOLAS

**42nd Street and Park Avenue
Grand Central Terminal,**

New York City

New York.

WHOLESALE CONDITIONS BETTER.

There is a decided change for the better in the conditions of the wholesale market. We will not say that this has been brought about by any great increase in demand, but by a light supply of stock. While the scarcity of roses during the latter part of the past week was not as noticeable as the scarcity of carnations, there was a great falling off in the supply of both stocks. Ice boxes that were full of roses two or three weeks ago over night, are now practically empty at the close of the day's business and prices have advanced. In carnations, the scarcity is more pronounced. On April 19, Boston Market, one of the old timers, wholesaled at \$3.00 a hundred. The larger and more popular varieties went up to \$4.00, \$5.00 and even \$6.00, which in popular parlance, is "going some," for this time of year. Many florists say that it will not last. If they mean that it will not last all summer we agree with them. However, we are of the opinion that there will be a scarcity for several weeks to come. It has been a mild winter and stock has bloomed freely. In the life of a plant, as in the life of a man or woman, there comes a time for rest. The supply of bulbous stock such as narcissus and tulips, is falling off and anything good wholesales for \$2.00 a hundred and up. Stocks are now a feature of the market, good doubles wholesaling at 75 cents and \$1.00 a dozen. Another noticeable feature are the snapdragons, many of which, we may add, are wonders compared with the old types. These wholesale at \$3.00 a dozen, possibly for more in special stock. Orchids are good property and the best are running high. Gardenias, excepting the very best,

are slow and hard to move. Violets are practically out of the running. A few are coming in but they are no longer factors in the market. The plant trade is beginning to loom large.

Monday, April 21.—There was a good market this morning, no stock being in surplus. While the demand for American Beauty roses is limited there has been a slight advance in price. In Killarney and other tea roses there is a stronger demand for the medium grades than for specials, but there is some advance all along the line. Carnations go freely at from \$2.00 to \$4.00 a 100, with small lots of special stock selling up to \$5.00. The week opens with sunshine and if it continues a heavier supply may be expected before April 26.

NOTES.

A writer for one of our evening paper recently interviewed a number of leading business men as to their loss by bad weather. He has figured out that a rainy day costs this city \$1,000,000! While he mentions loss to the florists he does not mention the name of any he visited. This investigation of the loss by bad weather was brought about by the recent wet spell, from April 11 to 16, when the sun never shone, and the constant downpour on the sixteenth which brought all business practically to a standstill. In some lines, the trade lost on a stormy day may come in when it clears up, but in others this is not the case and the flower business seems to be one of them. This last wet spell hit hard at the seedsmen and nurserymen, if not in actual loss, in crowding the business of two weeks into one, with consequent confusion and overwork.

The courts of Queens County are looking up the heirs of Daniel Creedon, an aged florist of Woodside, now deceased, once an employe of Alexan-

der Burns. Mr. Creedon was called a "man of mystery." He lived in the lower part of an old windmill on the Burns estate. At the time of his death no one knew of his wealth or his heirs. John T. Robinson, a lawyer of Elmhurst, who was appointed administrator, has been investigating. As a result he found that Creedon was worth nearly \$60,000, having accounts in more than twenty savings banks. As a result of advertising for heirs, nearly 1,000 persons have put forward claims. Ellen O'Connor and her three children, of Inniscareen, Ireland, are all that have qualified to date.

Visiting the plant market under the Queensboro Bridge, April 19, we were shown around by our genial friend, Rudolph Wittman of West Hoboken, who, with a number of other New Jersey plantmen, sells there, and found excellent stocks of well flowered geraniums, Little Gem fuschias, hardy roses, hydrangeas and many other plants. All conditions point to an excellent plant trade for this spring. The call for suitable stock for vases and window boxes seems to be on the increase. While hyacinths, tulips and daisies are now mostly seen, the call for geraniums will come later. In the meantime English ivy is a prime factor.

The will of Judge Addison Brown, whose death was reported in last week's paper, was filed with the surrogate of New York county, April 18. He left an estate valued at \$800,000. His largest public bequest was \$21,750 to the New York Botanical Gardens, to establish and maintain a magazine devoted to American plants. As previously stated, Judge Brown had always been interested in botany and was one of the founders of the Gardens.

Two well known young men of the wholesale district are said to be pass-

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S. S. Pennock-Meehan Co.

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Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.



FOR CUT FLOWERS: in two colors on gummed paper: your card, etc., in black and leaf adopted by the S. A. F. in red. Price per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago

ing around the cigars, but we confess we have not seen any of them yet. However, as faithful public servants it is our duty to state the facts, which are as follows: Phil. Ditzenberg, foreman for H. E. Froment, boy. Sam Harmater, with Chas. Millang, boy.

The new store of C. Changuris, 106 West Fifty-Seventh street has been a success since he opened it one year ago. In the rear is a neat conservatory and the entire equipment is up to date. He has another good store, called the Central Park Flower Market, at 980 Sixth avenue.

Many fine geraniums are now on the market and none are finer than the stock of William Kessler, 113 West Twenty-Eighth street. As a specialist in plants he is always well supplied with the best that can be found in the local greenhouses.

Features of the rose offerings in the wholesale district are the Ulrich Bruner roses which A. J. Guttman is receiving from the range of Victor Zuber & Sons, Whitestone, L. I.

Several shipments of southern lilacs have been received by the Kervan Co., 119 West Twenty-Eighth street. The elder Kervan has been in Florida for several months. A. F. F.

Rochester, N. Y.

BUSINESS BETTER.

During the past week business has been better. Trade started well at the beginning of the week and continued so until Saturday when, owing to the sudden change to cold weather, it dropped off somewhat as far as store trade was concerned. Funeral work has kept everybody busy. Sweet peas and daisies are becoming favorites for corsage work and make a pretty combination. Small fancy baskets filled with daisies and pansies, which sell for a dollar, are quickly disposed of. Stock is arriving in fine shape. We get a great quantity of carnations, which are large and long stemmed. Roses in all grades and kinds are fine, especially the Sunburst, which is a ready seller. Orchids are of fair quality. Lily of the valley is very good. Easter lilies are plentiful, but there is a shortage of calla lilies. Mignonette and snapdragons are also good.

NOTES.

The monthly meeting of the Florists' Association was held April 14 with John Dunbar presiding. R. Salter gave an interesting talk on "The Florist Business of Rochester, Past and Present." Other short talks on the New York flower show were made by — Ogston on "Orchids"; E. P. Wilson, "Roses"; C. Suhr, "Carnations"; George R. Hart, "General Conditions"; John Dunbar, "Shrubs." Afterwards a discussion took place followed by a "pick-up" lunch, provided kindly by one of the members.

Charles E. Sharpe, formerly of H. E. Wilson, left recently for Cleveland, O., to manage a new store opened up by one of the florists there.

H. E. Wilson had a very busy week with enough stock to fill all orders, several for large out-of-town funerals being included.

Julius Berg, with Lion & Co., New York, was in town during the week and called on his usual customers.

The Maur-Haap Company is doing a rushing business in shrubs and nursery stock.

Paul Meconi

Wholesale Florist

55-57 West 26th Street
NEW YORK CITY

Telephone: 3864 Madison Square

Wholesale Flower Markets

	NEW YORK, April 23.	Per 100
Roses, Beauty, special.....	25	90@30 00
" " extra and fancy ..	10	00@15 00
" " No. 1 and No. 2.....	1	00@3 00
" " Bride, Bridesmaid special. 5	00	@6 00
" " extra and fancy.....	2	00@3 00
" " No. 1 and No. 2.....	50	@1 00
" " Killarney, My Maryland..	6	00@8 00
" " special.....	3	00@4 00
" " extra	3	00@2 00
" " No. 1 and No. 2	7	00@9 00
" " Queen, special.....	7	00@9 00
" " Red, special.....	8	00@10 00
" " Hillingdon, Aaron Ward. 8	00	@8 00
" " Richmond.....	5	00@10 00
" " Sunburst, special.....	8	00@10 00
" " Taft, special.....	10	00@12 00
" " Mrs. Geo. Sawyer, special. 10	00	@15 00
Carnations.....	2	00@4 00
Jonquils.....	1	00@2 00
Cattleyas.....	25	00@60 00
Gardenias.....	8	00@20 00
Tulips.....	1	00@3 00
Lilies, Longiflorum and Harrisii. 6	00	@8 00
Lily of the Valley.....	1	00@3 00
Sweet Peas, per doz. bunches. 50	@1 00	
Adiantum Croweanum.....	150	@50
Asparagus Plumosus... doz. bchs. 1	50	@3 00
Smilax..... per doz. strings. 1	00	@1 25
Lilac..... per bunch. 25	@50c	
Stocks..... per bunch. 30c	@50c	
Snapdragons.... per doz., 75c	@2 50	

The Rochester Florists' Association will hold their annual banquet at Hotel Rochester Thursday evening, April 24. H. J. H.

Westchester and Fairfield Hort. Society.

The regular monthly meeting of the Westchester and Fairfield Horticultural Society was held in Doran's hall, Greenwich, Conn., April 11, President Robt. Williamson in the chair. Quite a large number of members were present to hear the lecture given by Prof. Jarvis of Starr College on the "Diseases of Fruit Trees," which proved very practical and instructive. A large number of pictures were shown illustrating the methods of pruning, planting, etc., recommended for the reclaiming of old orchards, so long neglected in this state. Prof. Jarvis answered the many questions put to him in a very able and practical manner. A hearty vote of thanks was accorded the lecturer for his very instructive address, which proved to be one of the best of the season. On account of the Third International Flower Show in New York, where a large number of our members had exhibited, the exhibits at the meeting were not so much in evidence as usual. The following received awards:

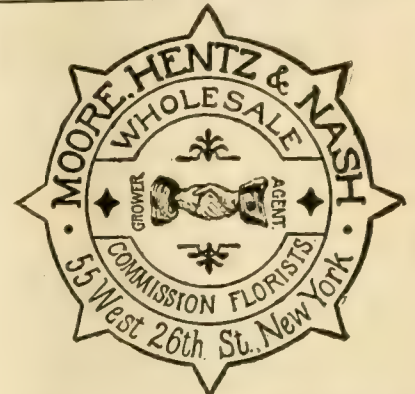
Thos. Ryan, cultural certificate for fine lot of sweet peas.

James Forster, cultural certificate for splendid specimen marguerite.

A. Wynne, cultural certificate for Schizanthus Wisetonensis.

Thos. Ryan, honorable mention for Hydrangea hortensis.

P. W. Popp, honorable mention for chrysanthemum Seven Oaks. This chrysanthemum, which had previously



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American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

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Geo. C. Siebrecht

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Wholesale Florists

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18 Years Experience.

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

been recognized by the society, should prove of great commercial value, being a continuous bloomer, of a golden yellow color.

Several new members were elected at this meeting.

O. A. HUNWICK, Sec'y.

POEHLMANN BROS. CO.

72-74 East Randolph St.,

Long Distance Phone: Randolph 35

CHICAGO, ILL.

AT THE NATIONAL FLOWER SHOW

Held in the Grand Central Palace at New York, April 5-12, we were awarded the following Prizes:

First on 100 American Beauties	First on 25 Richmond	First on 25 Mrs. Taft	Second on 50 Mrs. Aaron Ward	Second on Double White Killarney
First on 50 American Beauties	First on 50 Mrs. Taft	Second on 50 Melody	Second on 25 Mrs. Aaron Ward	Second on 100 Red or Scarlet Carnations

THE ABOVE PRIZES

Awarded to Poehlmann Bros. Co., of Chicago and Morton Grove, Ill., is in itself a great victory over all other great growers in the United States. Taking in consideration the fact that we exhibited at the **Chicago Flower Show**, held April 2nd to 6th, which called for the same amount of Beauties and Roses in each class, receiving the **first prize** at this show, must be convincing that Poehlmanns are the greatest growers in the country. Shipping Roses a thousand miles in competition against New York grown stock, by so eminent growers as we had to compete against, should leave no doubt of our often claimed statement in public print to the effect. **We are the Largest Growers of the Best Cut Flowers in the World.** Do not lose sight of one very important fact. Our facilities for shipping and knowledge of packing flowers to travel a thousand miles in such good condition as to be capable of receiving First prize, should prove that we can pack flowers satisfactorily to ship anywhere in a radius of 1000 miles. We are doing this now almost daily. We are picking carnations for regular orders, on the close side, at the greenhouses each lot marked for the order intended; this innovation gives your carnation order special attention with the best quality of stock obtainable.

Our superior quality of Valley, "not only for shows," but for all occasions and every day the year around makes us **Valley Headquarters**, as we also are for fancy **American Beauties**, good short, medium and long Roses of all the leading varieties, including the new varieties.

CUT FLOWERS.

In addition to the large supply of prize winning stock in the above items we can supply in quantity extra fancy Spanish Iris, in Yellow, White, Lavender and Purple at \$6.00 per 100.

Current Price List.

All our quotations are subject to market fluctuations, changes without notice, and our confirmation.			
AMERICAN BEAUTIES	Per Doz.	LADY HILLINGDON.	Per 100
Specials.....	\$4.00	Specials.....	\$12.00
36-inch.....	3.00	Long.....	10.00
30-inch.....	2.50	Medium.....	8.00
24-inch.....	2.00	Short.....	4.00 to 6.00
20-inch.....	1.50	RICHMOND.	Per 100
18-inch.....	1.25	Specials.....	\$10.00
15-inch.....	1.00	Long.....	8.00
Short stem.....	Per 100, \$4.00 to 6.00	Medium.....	6.00
PRINCE DE BULGARIE, Antoine Rivoire or		Short.....	.00 to 4.00
Mrs. Taft.	Per 100	KILLARNEY.	
Specials.....	\$12.00	Specials.....	\$10.00
Long.....	10.00	Long.....	8.00
Medium.....	8.00	Medium.....	6.00
Short.....	4.00 to 6.00	Short.....	3.00 to 4.00
MRS. AARON WARD.		KILLARNEY QUEEN	
Specials.....	\$12.00	Specials.....	\$12.00
Long.....	10.00	Long.....	10.00
Medium.....	8.00	Medium.....	8.00
Short.....	4.00 to 6.00	Short.....	4.00 to 6.00
MELODY, specials.....	\$12.00	WHITE KILLARNEY.	
Long.....	10.00	Specials.....	\$10.00
Medium.....	8.00	Long.....	8.00
Short.....	4.00 to 6.00	Medium.....	6.00
		Short.....	3.00 to 4.00



POEHLMANN'S PRIZE WINNING AMERICAN BEAUTY ROSES.

Supply Department

WE now offer a full line of Baskets for Weddings, Table Decorations, etc., assortment \$5.00 to \$25.00 selected by us; will guarantee to give satisfaction.

Cape Flowers, white 85c per pound; colored, \$1.00 per pound. Capeblumens, (Artificial Capes) 50c per hundred. Galvanized Wire Stakes.

Cemetery Vases, glass, \$2.00 per dozen; Green Enameled, \$1.60 to \$2.00 per dozen.

6-inch Valley Chiffon, special per yard, 4½c. 10-inch Valley Chiffon, special per yard, 7½c. Ruscus, Magnolia Leaves, Cycas Leaves, Wheat Sheaves.

Cut Flower Boxes

Corrugated Boxes

Wire Designs

M. RICE CO.

IF IT'S SUPPLIES
WE HAVE IT

1220 Race St., Philadelphia, Pa.

Clean Sphagnum Moss

10 Burlap Bales . . . \$13.50
10 Wired Bales (large) 11.00

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George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



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127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

St. Louis.

STOCK LESS PLENTIFUL.

The weather has been fair and somewhat cool and stock in certain varieties are less plentiful. White and light pink Enchantress carnations are plentiful while dark colors are scarce. The rose supply has not been so large, especially the white varieties. Sweet peas have stiffened in price, the absence of violets helping materially. Southern outdoor lilac has made its appearance and if the weather warms up the local supply will soon start. Short American Beauty roses are plentiful.

NOTES.

F. H. Weber is down to read a paper at the next meeting of the Retailers Association on "How to Start and Run a Retail Establishment." Mr. Weber having been in the business several years his remarks should prove interesting and instructive.

H. G. Berning is receiving quite a number of short stemmed American Beauty roses of fairly good color. These shipments are now arriving on schedule. The flood has delayed them of late and hurt the sales.

Ostertag Bros. have a fine display of blooming plants. Their stock of shrubs is the largest in the city. They have disposed of these by the car load.

The Windler Wholesale Floral Co. has had a fine stock of roses and carnations and a fair supply of sweet peas which have sold at fair prices.

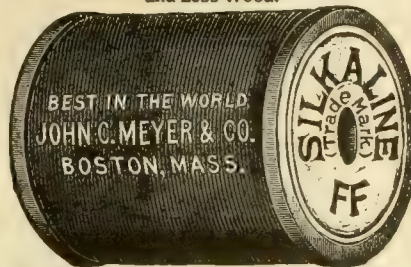
George H. Angermueller received a nice shipment of outdoor lilac, also some very fancy stock in long stem American Beauty roses.

Foster, the Florist, has started a palm garden in his large basement, serving soft drinks and ice cream.

Charles Cannon is now helping his brother at the greenhouses at Webster.

The Union Market flower and plant stands are now running in full blast.
W. F.

Do Not Take Any Fake Green Thread. Use the
Genuine Silkline and Get More Thread
and Less Wood.



JOHN C. MEYER THREAD CO.,

The MEYER Green

SILKALINE

Used by Retail Florists for mossing funeral designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it will not fade or rot in the greenhouse. The Meyer Silkline was the first green thread to be introduced among Florists and Growers. It is handled by the best houses everywhere, but it should be ordered by name—Meyer's Silkline—to be sure of getting the genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the manufacturers. Price for any size or color, \$1.25 per lb. Sizes "F" fine, "FF" medium, and "FFF" coarse

Lowell Thread Mills, Lowell, Mass.
1495 Middlesex St.,

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze, Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies.

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DETROIT, MICH.

We are now filling orders for

Southern Wild Smilax

Price, \$3.00 per case

E. A. BEAVEN, Evergreen, Ala.

Mention the American Florist when writing

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1886

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Southern Wild Smilax in limited quantities, in the standard sixteen cubic foot cases, \$3.00 per case.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN,

ALABAMA.

MOSS

We have a surplus of 12 barrel bale New Jersey Moss, clean, fresh and burlapped, and will deliver anywhere in Chicago, express prepaid, at \$5.00 per bale, 2 or more bales at \$4.75. By freight collect at 25c per bale less. Satisfaction guaranteed or money refunded.

KLEHMS' NURSERIES, Arlington Heights, Ill.

H. BAYERSDORFER & CO.



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SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

The Best Color Chart

For Florists, Seedsmen
and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST Co.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY,
Published and For Sale by the

American Florist Co., 440 S. Dearborn St.
CHICAGO
PRICE, ONE DOLLAR, POSTPAID.

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"Something
Alive in the
Window"

Catches
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\$3.00 per 100
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920 W. Randolph Street, CHICAGO



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Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

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339 to 347 Greene Ave., Phone 3908 Prospect.

Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Terre Haute, Ind.

John G. Heint & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail,
Telephone, Telegraph and Cable orders with
best quality stock in season

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Chicago.

A. LANGE,

25 E. MADISON ST.

Mention the American Florist when writing

Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.

623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.

Mention the American Florist when writing



FROM NEW YORK EXCEPT AS NOTED.

May 1.

La Touraine, French, 3 p. m.
Celtic, White Star, 12 noon.
Barbarossa, North Ger.-Lloyd, 10 a. m.
FROM ST. JOHN, Athenia, Donaldson,
Esperanza de Larrinaga, Barber.

May 2.

FROM ST. JOHN, Empress of Ireland, Can.-
Paelf., 12 noon.
St. Paul, American.

May 3.

Cameronia, Anchor, 8 a. m., Pier 64, North
River.
Italia, Anchor, Pier 64, North River.
Caronia, Cunard.
FROM MONTREAL, Ultonia, Cunard.
Rochambeau, French, 3 p. m.
Lapland, Red Star, 10 a. m., Pier 61, North
River.
Olympic, White Star, 9 a. m.
FROM MONTREAL, Teutonic, White Star-Dom.
President Lincoln, Ham.-Amer., 3 p. m.
Martha Washington, Austro-American, 1 p. m.
Sant Anna, Fabre, 3 p. m.
Kursk, Russian-American, 2 p. m.
Verdi, Lamport & Holt, 1 p. m.
River Delaware, Norton.

May 6.

New Amsterdam, Holland-America, 10 a. m.
Kronprinz Wilhelm, North Ger.-Lloyd, 10 a. m.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to
any part of the United States, Canada
and all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Reference or Cash must accompany all orders
from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

Memphis, Tenn.

HAISCH'S

87 Madison Avenue

L. D. Phone 726

All orders filled carefully and promptly deliver-
ed in Memphis and all the adjoining states,
Arkansas, Mississippi, Alabama and Tennessee.

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater
orders. Prompt delivery and best
stock in the market.

Dallas, Texas.

The Texas Seed and
Floral Company

Orders for cut flowers and designs solicited for
delivery in any part of Texas.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.
Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery
Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will execute orders for any town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Boston, Mass.



"Penn, The Telegraph Florist"

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Omaha, Neb.

Hess & Swoboda FLORISTS,

1415 Farnum St. TELEPHONES
1501 and 1582

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Roland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
California Florists, Tacoma, Wash.
Carbone, Philip L., Boston.
Clark's Sons, New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Haisch's, Memphis, Tenn.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M., Kansas City.
Kitt, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthewson, J. E., Sheboygan, Wis.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McClunie, Geo. G., Hartford, Conn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Nicholas, John S., New York.
Ostertag Bros., St. Louis.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pelicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Phillips Bros., Newark, N. J.
Podesta & Baldochi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Portland Flower Store, Portland, Me.
Rock Flower Co., Wm. L., Kansas City.
Sakke, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Wills & Segar, London, England.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery
Mention the American Florist when writing



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FLORISTS
1214 F ST. NW
WASHINGTON, D. C.

WASHINGTON D. C.

Gude's

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Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

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Denver, Colo.

The Park Floral Co.

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President.

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SAN FRANCISCO

CALIFORNIA

PELICANO, ROSSI & CO.,

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Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Mention the American Florist when writing

M. C. Rowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Hartford, Conn.

GEORGE G. McCLUNIE

187 Main Street

'FLOWERS' Your Orders Solicited

My Only Store. Phone Charter 6535-2

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.

Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE

Montreal

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

FLOWER COLORS

Use our Color Chart in describing them.

PRICE, \$1.00, POSTPAID.

AMERICAN FLORIST CO.

440 South Dearborn Street, CHICAGO

Boston, Mass.

Send flower orders for delivery in

Boston and all New England Points

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

City Index to Retail Florists' Filling Telegraph Orders.

Albany, N. Y.—Eyes, 11 N. Pearl St.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Penn, the Florist, 43 Bromfield St.
Boston—Phillip L. Carbone.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Hartford, Conn.—Geo. G. McClunie.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Memphis, Tenn.—Halsch's.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio.—Chas. A. Duerr.
Newark, N. J.—Phillips Bros.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—John S. Nicholas.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Portland, Me.—Portland Flower Store.
Poughkeepsie, N. Y.—The Safford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
Sheboygan, Wis.—J. E. Matthewson.
St. Louis, Mo.—Ostertag Bros.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellcano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Heintz & Son.
Tacoma, Wash.—California Florists.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Blackstone.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

San Francisco

Podesta & Baldocchi

224 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES
FLORIST,

Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in

NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.

Jefferson and Washington Ave.

Albany, N. Y.

EYES,

Flowers or Design Work.

Delivered in Albany and vicinity on telegraphic order.

11 NORTH PEARL STREET

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Michigan.

Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Helal)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

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MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

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NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

Boston, Mass.

Philip L. Carbone

IMPORTER

Florist and Decorator

342 Boylston Street,

Telephone Connections

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PHILIPS BROS, 938 Broad St.

NEWARK N. J.

Artistic Floral Work and Long Stem
Beauties Our Specialty.

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Tacoma, Wash.

California Florists

will take care of all telegraphic orders.

Indiana Florists' Meeting.

The following were present at the recent joint meeting of the Indiana State Florists' Association and the Northern Indiana Florists' Association at Portland: Chas. S. Barnaby, Columbus; Geo. R. Gause, Richmond; Robert Newcomb, Chicago; A. J. Waggoner, Columbia City; W. J. Vesey, Jr., Ft. Wayne; A. W. Herre, Chicago; W. W. Dedrick, Warsaw; J. H. Shelton, Rochester; — Ten Eyck, Auburn; J. D. Connor, Wabash; Geo. Pastor and wife, Huntington; — Bieberick, W. W. Coles, L. A. Coles, Kokomo; O. E. Steinkamp, A. F. J. Baur, Indianapolis; J. S. Leach and wife, Hartford City; L. G. Barbier and wife, Dunkirk; Harry C. Sharff, Van Wert, O.; J. J. Lawrence, St. Marys, O.; — Ernsberger, Celina, O.; — Klus, J. A. E. Haugh, J. S. Stuart, Elgie Hiatt, Anderson; W. H. Troyer, Elkhart; Harry White, North Manchester; Clinton Stradling, Henry Baker, Roland Webb, Will Troffinger, Muncie; H. H. Webb and wife, W. G. Weaver and wife, W. Frank and wife, C. L. Frank and wife, H. C. Frank and wife, Misses Edith and Elizabeth Frank, Portland.

Chas. L. Frank and wife of Portland were married April 8. Mrs. Frank was Miss Minnie Boyles of Portsmouth, O. In making the trip to the bride's home Mr. Frank encountered many obstacles as a result of the recent floods. He was forced to make a detour of several hundred miles but gallantly declared that he would have built a raft if it had been necessary. They will make their home in Portland, where Mr. Frank has charge of the growing department of Frank Bros. The firm has a fine range of houses 300 feet long, growing carnations and roses. They now have a fine house of Kaiserin.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gift, Pleasant Hill, Mo. that may be entrusted to them

Louisville, Ky.

F. Walker & Co.,
FLORISTS

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

Mention the American Florist when writing

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
CANAL ST.

Mention the American Florist when writing

Washington, D. C.

Blackstone

14th and H. Street.

Mention the American Florist when writing

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.

Mention the American Florist when writing

For Wisconsin Delivery

—OF—
"HOME GROWN FLOWERS"

Get in touch with

J. E. Matthewson
SHEBOYGAN, WISCONSIN

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

BEDDING PLANTS

The Planting Season is Drawing Very Near So You Had Better
Order Your Supply Now and Get the Pick of Our Stock : : :



	Per 100	Per 1000
<i>Alternantheras</i> , red and yellow, strong, 2½-inch.....	\$2 50	\$20 00
<i>Asparagus Sprengeri</i> and <i>Plumosus Nanus</i> , 2½-inch strong.....	3 00	25 00
<i>Asparagus Hatcheri</i> , (New <i>Asparagus</i>) 2½-inch.....	5 00	
3-inch.....	8 00	
<i>Ageratum</i> , dwarf blue, 2½-inch.....	2 50	
" " 3-inch.....	5 00	
" " 4-inch.....	8 00	
<i>Begonia</i> , Tuberous rooted, strong 4-inch, all colors, double and single, per doz. \$2		
<i>Begonia Luminosa</i> , for bedding, strong, 2½ inch.....	2 50	23 00
<i>Cobaea Scandens</i> , strong 4-inch..... per doz. \$1 50		
<i>Celosia</i> , (Cock's Comb), dwarf.....	5 00	
<i>Coleus</i> in variety, 2½-inch, \$2 50 per 100; 3-inch.....	5 00	
<i>Dusty Miller</i> , for border, 2½-inch.....	2 50	
<i>Dracaena Indivisa</i> , strong 5-inch.....	20 00	
<i>Geraniums</i> for May delivery, varieties as follows: S. A. Nutt, Buchner, La		
Favorite, Jean Viaud, Mrs. E. G. Hill, Ivy geraniums in variety, 4-inch \$8 and 10 00		
<i>Rose Geranium</i> , 4-inch.....	10 00	
<i>Mme. Salleri</i> Geranium for border, 2½-inch.....	3 00	
<i>Grevillea Robusta</i> (silk oak) 2½-inch strong.....	2 50	
<i>Heliotrope</i> 3-inch, \$6 00 per 100; 4-inch 10 00		
<i>Ivy</i> , English..... 2½-inch, \$3 00 per 100; 4-inch 12 00		
<i>Ivy</i> , German or Parlor Ivy, strong 2½ inch.....	3 00	
<i>Lobelia</i> , Speciosa and Crystal Palace Comp.....	2 50	20 00
<i>Marguerite</i> , Mrs. F. Sanders, double white..... 3-inch, \$8 00; 4 inch, 15 00		

	Per 100	Per 1000
<i>Musa Ensete</i> (Abyssinian Banana), strong		
4 inch, per dozen.....	\$2 00	
<i>Pansies</i> , strong transplanted of best strain.....		\$5 00
<i>Petunias</i> , single fringed all colors from choice seed.		
3-inch.....	\$ 5 00	
4 inch.....	8 00	
<i>Recinus</i> (Castor Bean) strong..... 4 inch, per doz., \$1 50		

	Per 100	Per 1000
<i>Salvia</i> , Bonfire and Zurich, elegant stock from cuttings.		
2½-inch.....	2 50	
3-inch.....	5 00	
4-inch.....	12 00	
<i>Smilax</i> , strong new stock, 2½-inch.....	2 50	22 00
3-inch.....	6 00	50 00

DECORATIVE PLANTS

HYDRANGEAS

From now until June 1 we offer a choice lot of Hydrangeas in full bloom, at from 50c to \$2.00 each. Also a large supply of decorative plants, palms and table ferns.

<i>Asparagus Hatcheri</i> , strong, 2½ in., \$2.50 per 100; strong, 3 in., \$4.00 per 100.
<i>Fancy Leaved Caladiums</i> , extra fine large plants, from 50c to \$1.00.
<i>Primula Obconica Grand.</i> , strong, 2½ in., May Delivery, \$3.00 per 100; \$25.00 per 1000.
<i>Ficus Pandurata</i> , strong, 6 in., \$3.50 each.
<i>Ficus Elastica</i> , strong 6 in., 75c to \$1.00 each.
<i>Dracaena Massangeana</i> , well colored, 6 in., \$1.00 to \$1.75 each.
<i>Pandanus Veitchii</i> , highly colored, 5 in., 75c each; 6 in., \$1.25 each; 7 in., \$2.00 each.

Palms

Kentia Forsteriana and *Belmoreana*, all sizes, from 4 to 12 in. tubs in fine condition. Fine decorative stock ranging in price from 35c to \$15.00 per plant.

Table Ferns—10 Varieties

2½ in. pots, \$3.00 per 100; \$25.00 per 1000.
3 in., strong, \$6.00 per 100; \$55.00 per 1000.

Pansies

Strong transplanted seedlings for early blooming, choice strain, \$5.00 per 1000.



Poehlmann Brothers Co.

MORTON GROVE

Plant Department

ILLINOIS

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

It is reported that blight is showing on Crystal White Wax onion in Tennessee.

THE warmer weather has given great impetus to counter trade in all the retail stores.

J. C. VAUGHAN, of Vaughan's Seed Store, will celebrate another birthday anniversary April 24.

CHICAGO.—Prices on the Board of Trade April 23 for grass seed were noted as follows: Timothy, \$3 to \$4 per 100 pounds.

SCREENINGS of wheat, oats and barley, when imported from Canada, are now included in the list of seeds, samples of which must be forwarded to the seed laboratory of the Department of Agriculture.

NEW YORK.—A call at the office of the Nungesser-Dickinson Seed Co., Hoboken, found Marshall Duryea as busy as usual. Henry Nungesser has been in Europe for about three weeks and is likely to be absent for some time.—A week of wet weather, April 11-17, gave the seed business something of a shock, but it was no hindrance to the importers whose stocks were running low, giving them time to replenish.—Henry W. Wood of the firm of T. W. Wood & Sons, Richmond, Va., spent the past week in this city and vicinity.

New Seed Drill.

An article in the Sydney, Australia, Herald, describes a new seed drill, the invention of a Sydney man, the distinctive feature of which is that it sows fertilizer 3 or 4 inches below the grain. It is claimed that this makes possible an increased production of 1 to 4 bushels per acre, especially in dry seasons or dry regions by keeping the fertilizer away from the seed and by greatly strengthening the lower roots.

Rochester N. Y.

Jas. Vick's Sons say their catalogue trade passes all expectations. Their store trade has been badly hit by the treacherous weather. This year they have increased their hotbed stock 400 per cent and the asters coming in look well. An increased acreage for the growing of asters and fifteen other different kinds of flower seeds, in which they specialize, has been provided. This summer a specialist from Cornell University will work on their farm and will try out several different methods of production, prescribing on request for those who are having insect disease or other troubles with their crops.

A. W. Gilman reports business very good with unusual demand for Golden Self-Blanching celery and cabbage.

H. J. H.

California Rainfall.

San Jose, April 18.—At the present time, the period of California's usual heavy rains has passed. Ordinarily, with but few exceptions in the interim between April 15 and June 1 we have only light showers; the records indicate that the average is something less than one inch. To date, 4.29 inches is the total rainfall for the season. This is about one-third of the normal in this vicinity. Some three weeks ago we received about one inch of rain, which brightened up all crops and gave some of the late-planted lettuces a good start. Otherwise its benefit was merely temporary. At present our farms look surprisingly well, considering this season's very limited rainfall, coupled with the short rainfall last year. This, however, cannot be taken as a guide to the ultimate yield, for from about June 1, the plants will have to be sustained by such moisture as exists in the soil. It is at this period therefore that all crops are bound to suffer, for the lower stratas and subsoils carry but little moisture. To still further aggravate this condition, the orchardists are utilizing all the old wells and every new well that it has been possible to drill; as a result the water level has dropped so low that many of the wells have ceased to supply the pumps. Unless considerable rain falls within the next two or three weeks, the growth of all plants will cease during May. At that time, the first opportunity to prepare a crop estimate will offer itself. It has not been customary to irrigate seed farms in this section—with the possible exception of certain root crops. Several attempts at general irrigation have been made, but it is yet too early to determine to what degree these efforts will be successful.

P.

California State Floral Society.

THE SPRING SHOW.

The spring show of the California State Floral Society was a beautiful exhibition of plants and cut stock and drew many visitors, especially admirers of flowers that grow with only nature's help. Wildflowers, bulbous stock and spring flowering shrubs formed the principal exhibits. Tulips, narcissi and hyacinth grown by amateurs were particularly good and included some fine collections of daffodils of the best exhibition varieties. In

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

tulips and daffodils several of the amateurs more than equalled those shown by professional growers.

William H. Crocker (Wm. Eldred, gardener), was awarded first prize for largest and best collection of flowering shrubs. The large number of varieties shown was remarkable for coming from one private place. Mr. Crocker was also awarded the first premium for collection of narcissi grown under professional care.

To Mrs. M. D. Roberts was awarded a gold medal for a collection of wild flowers consisting of 312 varieties gathered in San Francisco county and vicinity. The arrangement of the collection was quite artistic and received much attention.

The complimentary exhibit of the E. James Co., of Elmhurst, was a pleasing feature and included lilies, rhododendrons, azaleas, amaryllis and ericas. The amaryllis shown were of the strain originated by Howard & Smith, the Los Angeles growers. The blooms were immense and remarkable for the variety and intensity of color.

Golden Gate Park showed a collection of fine palms in tubs and a handsome lot of cinerarias, single and double, that were a credit to the grower, Dolph Holm, of the park conservatories.

The show was held in the Norman Hall of the Fairmont Hotel and was continued for three days, a good-sized crowd being present each day. For the tasteful decoration of the hall and the well arranged exhibits the credit is due Miss Charlotte F. Williams whose efficiency as manager contributed much towards the success of the

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE.

Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

PEAS, BEANS, CUCUMBER

Growers for the Trade.

Ask for our growing prices for crop 1913
Peas, Beans and Cucumber Seed.

Also for prices for immediate shipment.

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

BRASLAN SEED GROWERS COMPANY, INC.

ONION, LETTUCE, CARROT and RADISH SEED

San Jose, California

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers
SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS

show. The judges of exhibits were Miss Alice Eastwood, Dr. Albert Schneider, William Eldred and John R. Atkinson.

The California State Floral Society is composed largely of amateur growers and flower lovers, giving spring shows annually at which liberal provision is made for trade entries. The society is active in advocating park extension and playgrounds, and encourages the popular use of flowers and plants for beautifying the home and surroundings.

T.

Cincinnati.

WEEK BEGINS POORLY.

This week started off very slowly. There was a very large supply of seasonable stock but a very light demand. The close of the week should, however, be very much better, for then grand opera, with its many social functions, will be here. This should cause a large demand for corsage bouquets and flowers for suppers and receptions. The weather the last few days has been glorious and if it keeps up this way for another week the bedding season will be here in full blast. All the growers who specialize in this line locally are well stocked with excellent plants and are only waiting for the weather to open up that they may begin to hustle. On Sunday night there was a frost in exposed places. The supply in the market includes large and adequate supplies of roses, carnations, lilies, including Easter and calla lilies, snapdragons and bulbous stock, including tulips and narcissi.

NOTES.

The relief committee of the Cincinnati Florists' Society, consisting of Henry Schwarz, Wm. Schumann and Wm. Speck, state that the florists have responded liberally to their appeals and that by the end of this week they will have a nice amount of stock for the local florists whose establishments were inundated by the waters last month.

H. Lodder of Hamilton was in town on Monday. He said that so far the efforts of a large force of men in cleaning up their plant had had very little noticeable effect on the appearance of the place.

Recent visitors were: — Roepke of Indianapolis, Ind.; Robert Graves, Adams, Mass., and W. C. True of John C. Meyer & Co., Lowell, Mass.

I. Bayersdorfer of H. Bayersdorfer & Co., Philadelphia, Pa., was in the city for several days showing his line at the Sinton hotel.

Miss Margaret Anstead underwent an operation recently at the Seton hospital.

C. E. Critchell is again having a very strong call for wild smilax.

H.

Cleveland.

Adam Graham, president of the Cleveland Florists' Club, delivered a very interesting talk on the Panama Canal last Monday evening. Mr. Graham has but recently returned from a trip to the "big ditch," and everyone present was greatly pleased with his talk.

Henry Heepe and — Wiener of Akron passed through this city in Mr. Heepe's new automobile which he purchased in Detroit. They came from Detroit on the steamer and left Cleveland in the machine for Akron.

Peter Stelber lost a horse by death the past week. Another argument in favor of the automobile.

Carl Hagenberger of Mentor, Ohio, is cutting a fine lot of pink snapdragons.

Robert Groves, the fern man, was a visitor last week.

C. F. B.

BEANS, PEAS, RADISH

and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE

Write for Prices.

Mention the American Florist when writing

Tuberose

DWARF DOUBLE PEARL

\$12.00 per 1000

Excellent Quality.

Lily of the Valley Pips

Cold Storage Berlin and Hamburg.

Per case of 1,000.....\$12.00

Per case of 3,000.....\$32.00

Write for a copy of our Florists' catalog.

J. M. Thorburn & Co

"THE MOST RELIABLE SEEDS."

33 Barclay St. (T12) New York, N. Y.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn

Mention the American Florist when writing

DAMMANN & CO.,

Seed Merchants to His Majesty the King of Italy

SAN GIOVANNI A TEDUCCIO, near Naples

Headquarters for CAULIFLOWER and WHITE

TRIPOLI ONION SEED, (Crystal Wax) and

all other VEGETABLE and FLOWER SEEDS

THE LARGEST GROWERS IN ITALY.

Established 1877.

Wholesale Catalogue in English, (containing also

all Italian specialties). Special Offers and

Italian Catalogue on application.

Western Seed & Irrigation Co.

Wholesale Seed Growers and Dealers

SPECIALTIES:

Sweet, Flint and Dent Corn; Cucumber, Musk and Watermelon; Pumpkin and Squash.

FREMONT : NEBRASKA

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists and Market Gardeners.

VICK Quality VICK

Aster Seed

Aster Book Now Ready

Aster Book and Wholesale Catalogue of Best Quality Seeds for Florists and Commercial Growers

James Vick's Sons

ROCHESTER, N. Y.

ROSES, CARNATIONS,

PLANTS, SEED, BULBS.

Send us your wants. We will take care of them. We supply stock at market price. Catalogue for the asking.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA

H. WREDE

LUNEBURG, GERMANY

PANSY SEED

180 First Prizes, the highest awards Chicago, Paris, London, Bruxelles.

1000 seeds, finest mixed...25c
1 oz.\$2.25

Price list on application. Cash with order

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

CONTRACT SEED GROWERS

Pepper, Asparagus, Tomato, Musk and Water Melon. For sale: Asparagus, Horse Radish and Rhubarb Roots.

Correspondence Solicited.

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P. O. Box 38 MUSCATINE, IA.

SEEDS

Best that grow. We sell direct to gardeners and florists at wholesale. Big, beautiful catalogue free. Write today.

ARCHIAS SEED STORE, Box 98, Sedalia, Mo

Mention the American Florist when writing

AMERICAN BEAUTY

2½-in. plants, \$6.00 per 100; \$50.00 per 1000. The prettiest stock that you ever saw; perfect in stem and foliage, ready for 3-inch.

GRAND STOCK OF

Pink and White Cochet

For Summer Blooming, \$3.00 per 100, \$27.50 per 1000.

Chrysanthemum Plants

All the commercial varieties in clean, free-growing stock; standard sorts, \$3.00 per 100; \$25.00 per 1000—refer to our catalog.

CHRYSOLORA and **ROMAN GOLD**, \$4.00 per 100; \$35.00 per 1000.

The E. G. Hill Co.,

RICHMOND, INDIANA.

Geraniums Coleus

Summer prices for Geraniums May 5th and after, \$10.00 per 1000 for Nut & Poitevine; \$12.50 per 1000 for Ricard. Coleus delivery of April 28th, red, yellow and assorted, \$6.00 per 1000. 2½-inch pot plants, \$2.00 per 100. Snapdragons from rose pots. Giant flowering separate colors, \$2.50 per 100.

Albert M. Herr, Lancaster, Pa.

Mention the American Florist when writing

BOXWOOD

For Sizes, Prices and variety—see our Display Adv. in American Florist Apr. 12-19.

F. O. FRANZEN,
1476 Summerdale Avenue,
CHICAGO ILLINOIS.

100,000 CANNAS

Best Named Varieties. Write for Prices.

F. F. SCHEEL,
Shermerville, - Illinois.

Mention the American Florist when writing

BROWNSTOWN, IND.—The Seymour Greenhouses have opened a downtown flower store at 16 North Chestnut street.

MINNEAPOLIS, MINN.—Charles A. Ogrosky, an employe of the city park board, was granted a divorce in the District court here because he told the court his wife had fed him on nothing but pancakes for years.

Our New Crimson Carnation

PRINCESS DAGMAR

WAS AWARDED

Silver Medal, at the Massachusetts Horticultural Society, Boston, November, 1912.

At the International Flower Show, New York, April, 1913,

First for best 100 crimson.

Gold Medal for 12 largest blooms.

Silver Medal, Perpetual Flowering Carnation Society, England.

Bronze Medal, American Carnation Society.

Preliminary certificate for Fred Dörner Memorial Medal.

At the Chicago Horticultural Society, April, 1913,

Bronze Medal, First, best seedling not disseminated, any other color.

At the Boston Co-operative Flower Market Show, April, 1913,

First for 50 best seedlings not disseminated.

First for 100 best carnations, any color.

PATTEN & CO., Tewksbury, Mass.

The Early Advertisement Gets There

WE GROW PLANTS

Geraniums and other Bedding plants in quantities and now have a large stock ready in splendid shape, for immediate shipment. Special price for large lots.

	2-in.	3-in.
Geraniums, Standard and Ivy Leaved	per 100	per 100
Varieties.....	\$2.00	\$3.00
Mt. of Snow and Mrs. Pollock.....	3.00	
Scented, Nutmeg, Lemon, etc.....	2.00	3.00
Pansy Geraniums, Mary Washington.		
Mrs. Loyal.....	2.00	3.00
Lantanas, 10 Varieties.....	2.00	3.00
Lemon Verbena, Aloysia Citrodora.....	2.00	3.00
Lobelia, Kathleen Mallard and Crystal Palace Gem.....	2.00	
Moonvines, Noctiflora and Leari.....	2.00	3.00
Salvia, Bonfire and Zurich.....	2.00	3.00
Parlor Ivy, Senecio Scandens.....	2.00	3.00
Swainsona, Alba, and Rosea.....	2.00	3.00
Hardy Phlox, 20 varieties.....	2.00	3.00
Smilax.....	2.00	
Fuchsias, Kozani Bouchardat collection, one plant each, one hundred varieties. \$10.00; 2 collection \$15.00.		
Smilax Seedlings, 75c. per 100, \$6.00 per 1000.		

Cash with Order.

R. Vincent, Jr. & Sons Co., White Marsh, Md

Mention the American Florist when writing

CARNATIONS

From 2-in. Pots

Rosette.....	\$6.00 per 100
White Perfection.....	3.00 per 100
White Enchantress.....	3.00 per 100
St. Nicholas.....	6.00 per 100
Scarlet Glow.....	3.00 per 100
Benora.....	6.00 per 100

F. DORNER & SONS CO.
LA FAYETTE, IND.

KAISERIN

Large 2 and 3-year old bench plants in dormant condition. Ready to start up.

\$10.00 per 100.

Bassett & Washburn,

Store, 131 North Wabash Ave.,
CHICAGO, ILL.

Greenhouses at HINSDALE, ILL.

Mention the American Florist when writing

SEND TO **GEO. A. KUHLE**, Pekin, Ill.,
Wholesale Grower to the Trade, for his list of Soft Wooded Plants, Fern List, Roses, Chrysanthemums, Cannas, Caladiums, Blooming Plants, and Miscellaneous Stock, Etc.

Geo. A. Kuhl,
PEKIN, ILLINOIS.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my Specialty

PALMS, FERNS
AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N Y

SPRING BULBS

GLADIOLUS

Of several leading kinds we can supply planting stock, white bulbs under one inch and small black bulbets by the bushel. Per 1000

MRS. FRANCIS KING,

Medium size..... \$15.00

AUGUSTA, Medium..... 13.00

AMERICA, First Size (3000 for \$66.00)..... 25.00

AMERICA, Medium Size..... 20.00

KUNDERDI GLORY, Firsts..... 40.00

CHICAGO WHITE,..... 50.00

PRINCEPS,..... 90.00

SHAKESPEARE..... 38.00

FLORISTS' MIXTURE,

(Light Colors)..... 15.00

BEGONIAS

(Tuberous Rooted Giant Flowering Varieties)

Singles, in Colors, white, scarlet, yellow, pink, Doz. 40c.; 100, \$2.50; 1000, \$22.00.

Singles, Mixed Colors, Doz. 35c; 100, \$2.25; 1000, \$20.00.

Doubles, white, scarlet, yellow, pink, Doz. 65c; 100, \$4.50; 1000, \$40.00.

Doubles, Mixed Colors, Doz. 60c; 100, \$4.00; 1000, \$37.00.

LILY BULBS

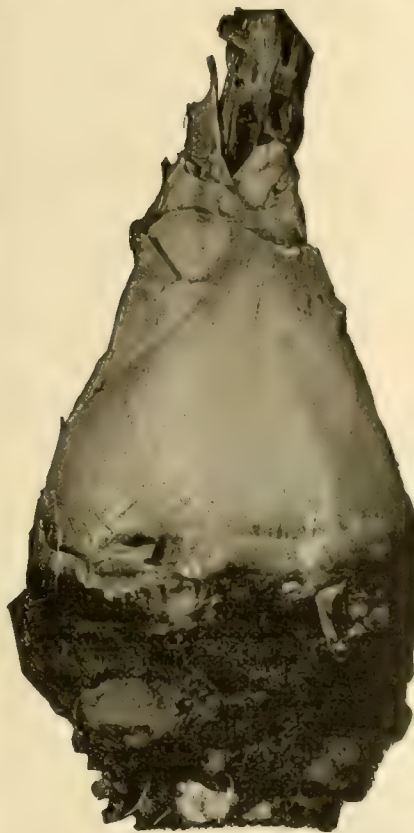
Per 1000

Album, 9-11 inch..... \$12.50

Auratum, 9-11 inch..... 10.00

Rubrum, 8-9 inch..... 6.00

Rubrum, 9 11 inch..... 9.00



True Dwarf Pearl Tuberose.

TUBEROSES

TRUE DWARF PEARL.

(Not in Storage)

Mammoth, 6-8 inch.....	Per 1000
First Size, 4-6 inch.....	\$15.00
Medium Size, 3-4 inch.....	10.00
	4.50

CALADIUM ESCULENTUM.

	Per 100	Per 1000
5 to 7 inch.....	\$1.80	\$14.00
7 to 9 inch.....	3.50	28.00
9 to 11 inch.....	5.50	52.00

LILIES

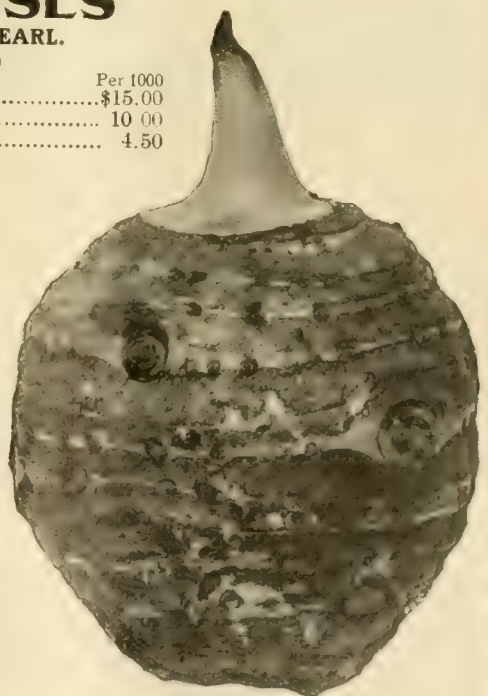
COLD STORAGE

Lil. Giganteum	Per Case
7-9 inch (300 bulbs to case).....	\$18.00
8-10 inch (225 bulbs to case).....	15.75
9-10 inch (200 bulbs to case).....	17.00

Lilium Rubrum

	Per Case
8-9 inch (170 bulbs to case).....	\$10.00
9-11 inch (100 bulbs to case).....	8.00

Write for Our Spring
"Book for Florists"



Caladium Esculentum.

Vaughan's Seed Store
CHICAGO NEW YORK

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

Prices of Indoor Fruits and Vegetables.

Chicago, April 21.—Mushrooms, 25 cents to 60 cents per pound; lettuce 35 cents to 37½ cents, small cases; radishes, 20 cents to 60 cents per dozen bunches; pieplant, \$1.00 per box; cucumbers, \$1.25 to \$3.00 per box of two dozen; asparagus, \$1.00 to \$2.25 for 24 bunches.

New York, April 19.—Cucumbers, 50 cents to \$1.12 per dozen; mushrooms, 50 cents to \$1.75 per 4-pound basket; tomatoes, 10 cents to 20 cents per pound; radishes, \$1.50 to \$2.00 per 100 bunches; mint, \$1.50 to \$2.00 per 100 bunches; rhubarb, 25 cents to 40 cents per dozen bunches; lettuce, 25 cents to 40 cents per dozen; beet tops, 25 cents to 75 cents per box.

The Montreal Muskmelon.

A recent bulletin of the Vermont Experiment Station (No. 169), "Cultural Studies on the Montreal Market Muskmelon," by Wm. Stuart, gives some interesting information regarding this well known muskmelon. Mr. Stuart summarizes his bulletin as follows:

1. That the Montreal market muskmelon may be successfully grown in the northeastern states, provided the crop is handled as skillfully and intelligently as it is by the Montreal grower.

2. That there are at least two distinct types and possibly a number of distinct strains, although it should be said that the latter point is not sufficiently well established to warrant dogmatic assertion.

3. That the demand exceeds the supply.

4. That though a costly crop to grow, sales prices are so high that the enterprise when successful is a highly remunerative one.

5. That the chemical analysis of the melons affords some guide to the selection of high quality strains.

6. That the development of a uniformly high quality strain is well worth the attention of the plant breeder.

Soil Conditions.

The recent heavy rains, floods and washouts have tremendous consequences on all cultivated lands. Only such lands as are covered by a growth of green plants, such as grass, clover or rye, etc., escaped without material damage. In some cases where manure has been applied and spread the best parts are washed away. In this case we should figure to supply additional plant food by using fertilizers later on. Where lands drain slowly and strawy manure has been spread it is best to rake such litter into long continuous windrows, say, 20 feet apart, to give the land a chance to dry out.

Often grit and gravel are washed in on good lands and if this cannot be removed, one way is to plow an extreme depth and thus bury this debris. Deposits of soft mud often delay the drying of fields and in such cases there is

no use forcing the land by plowing while wet. Such a course is ruinous. We must wait until the land becomes friable even if we have to change our plans.

This is a good time to lay additional tile, as grades are easily established in running water, and nothing is more important than perfect drainage. In our own case we can never carry out our plans in regard to planting, as the weather compels us to do quite differently at times. Where spring work is delayed we may help matters by raising more plants, as even such subjects as lima beans, cucumbers and melons can be transplanted, and seeds may be soaked and sprouted in advance, anticipating our work. To sprout seeds we place in flats, sprinkle and stir daily and keep covered with burlap sacks under greenhouse bench. If sprouted too far seeds are lost.

MARKETMAN.

Alunite and Kelp on Soils.

The Bureau of Soils, United States Department of Agriculture, has been conducting investigations showing the effect of alunite and kelp on soils. The results show that the soils treated by each of the fertilizers shows increased growth over the untreated soil. The raw alunite used in amounts of 25 to 500 pounds per acre increased growth from 10 to 20 per cent. The best results were secured with 50 to 100 pounds of potash per acre. The average increase in growth over the untreated soil was 14 per cent. The increase in growth with the treatment of ignited alunite over the untreated soil varied from 35 to 43 per cent, the average increase being 40 per cent. The raw alunite was not as good as were similar amounts

of potash as potassium sulphate and 38 per cent and with potassium chloride 31 per cent.

The soil treated by kelp produced a considerable increase in growth over the untreated soil. The increase varied from 17 to 43 per cent. In experimenting with Volusia soil, kelp gave an average increase of 23 per cent, potassium sulphate 25 per cent, and potassium chloride 22 per cent. Each of the potash fertilizers had a beneficial effect on the Volusia silt loam. The raw alunite produced less increased growth than the ignited alunite. In addition to the amount of potash added to the soil by the kelp a small amount of nitrogen and phosphorus proved effective. From the experiment the bureau draws the conclusion that dried kelp and ignited alunite are about as effective potash fertilizers as the salts potassium sulphate and potassium chloride.

BROOKLYN, N. Y.—Albert Smith, a florist at 491 Gates avenue, was left unconscious on the floor of his store after a battle with a burglar, who escaped. Mr. Smith, who is a cripple, grappled with the intruder after his revolver had failed to explode. Later it was discovered that Mrs. Smith had removed the cartridges because she found their little daughter playing with the weapon and feared she might shoot herself.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.



Asparagus Root.

Two-Year-Old ASPARAGUS ROOTS

A fine lot of strong, two-year-old roots, of Barr's Mammoth, Columbian Mammoth White, Conover's Colossal, Giant Argenteuil and Dreer's Eclipse, neatly put up in bundles of 25, 50c per 100; \$4 per 1000.

Special prices for lots of 5000 or more.

Henry A. Dreer, Inc.
714 Chestnut Street
PHILADELPHIA, PA.

The above prices are intended for the Trade only.

"Get them at Dreer's"

ALL SEASONABLE

PLANTS, SEEDS, BULBS AND SUNDRIES.

HARDY PERENNIALS. The most complete collection of varieties and the largest stock in the country. Our Perennial plants have a National reputation. We spare no expense to have them in the best possible shape for the planter. Such varieties that move better when pot grown are prepared in this shape. This does not mean little seedlings, but in the majority of cases the plants were field grown, were dug and potted during the fall and winter months and are of just the right size to give immediate results. They are not to be compared with so-called field clumps. Try them and be convinced.

**See Our Current Wholesale List
for Varieties and Prices.**



New Giant Flowering Marshmallow.

AQUATIC PLANTS, WATER LILIES, NELUMBIUMS, VICTORIAS. Tender and Hardy Aquatics have been a special feature with us for nearly a quarter of a century. Over eight acres of artificial ponds are devoted to their culture, if we can assist you in making plans or selecting varieties. The services of our expert are at your disposal for the asking.



Nymphaea.

ROSES FOR OUTDOOR PLANTING TO GIVE IMMEDIATE RESULTS. We have three hundred thousand 5 and 6-inch pots the usual Dreer stock and the style of plants your retail customers are looking for. These are all two-year field grown plants which have been potted during the winter months and which were stored in cold houses and frames and which are now in prime condition for out-door planting. The collection is the most up-to-date, including many new varieties not offered by anyone in the trade.

Hybrid Teas, Hybrid Perpetuals, Tea and Everblooming, Ramblers, Baby Ramblers, Moss Roses, Hybrid Sweet Briars, Austrian Briars, Wichuriana, etc., etc.

See Our Current Wholesale List for Varieties and Prices.

OUR CURRENT WHOLESALE LIST also describes the following, all of which are handled as specialties:

Decorative Palms, Palms, Ferns, Pandanus, Bay Trees, Boxwoods, Dracaenas, etc., etc.

Hardy Shrubs, Hardy Vines, Hardy Climbers, Rhododendrons, Azaleas, etc.

Bulbs: Dahlias, Tuberous Rooted Begonias, Gladiolus, Gloxinias, Fancy Leaved Caladiums, Cannas, etc., etc.



New Hybrid Perpetual Rose, George Arends.

Henry A. Dreer, Inc.,

714 Chestnut Street,
PHILADELPHIA, PA.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Drescher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

REGULATION 6 of the Secretary of Agriculture under the plant quarantine act has been amended to provide "that nursery stock which can be cleaned by disinfection or treatment may be delivered to the importers, consignee, or agent for the proper care and treatment thereof upon the filing of a voluntary bond with approved securities."

Formosa Trees.

The exploitation of the Mount Arisan forests is progressing. The mountain railway is three-fourths completed and about 25 miles are operating. By the end of this year the entire railway, 41 miles, will be finished, and the American sawmill, to be erected at Kagi, the terminus of the lower line, may be ready for working the first shipment of logs. The Government has appropriated over \$2,000,000 in gold for the Mount Arisan undertaking, and as a high value has been placed on the different kinds of wood, large returns are naturally expected.

The principal trees of Taiwan (Formosa) number 51, and there are eight genera of special scientific and commercial interest found in the north and central regions. There is moreover, one genus endemic to this island. The eight genera are: Cinnamomum, Chamæcyparis, Taiwania, Libocedrus, Pinus, Keteleeria, Machilus and Quercus. Of these, Taiwania is an endemic genus. The most important of the timber trees are: Cinnamomum camphora, Japanese nomenclature "Kusu;" Chamæcyparis formosensis, Japanese "Benihi," an endemic species; Chamæcyparis obtusa, variety formosana, Japanese "Hinoki," practically the same as the Hinoki of Japan; Taiwania crytomerioides, Japanese "Taiwan-sugi," a monotypic and endemic genus; Libocedrus macrolepis, Japanese "Shonam-boku;" Pinus, four species, one, P. formosana, endemic; Keteleeria davidiana, variety formosana, Japanese "Shimamomi," an endemic variety; several species of Quercus (oak) and Machilus.

San Diego, Calif., Parks.

We have received from Superintendent John G. Morley the report of the board of park commissioners of San Diego, Calif., for the fiscal year ending December 31, 1912. More work was done during the year than ever before, according to the report. Two funds were drawn on, one the maintenance fund allowed by taxation, and the other the proceeds of the park improvement bond fund. The Fort Stockton and Presidio site was to have been purchased out of the maintenance fund but the measure was vetoed by the mayor on the ground that the money could not legally be used for that purpose. The sum of \$15,000 was therefore carried over. Of the million dollar bond issue, \$383,000 had been sold up to the first of the year, of which \$106,405.04 remained in the treasury showing an expenditure of \$276,594.96. A great deal of the work of the past

year has been in the nature of a preparation for what is to follow. It has included the grading of roads and avenues, the installation of irrigating water lines, the building of retaining walls and the doing of heavy planting in the canyons and around the park borders. This work is practically finished. The bridge across Cabrillo Canyon is now under way and will be completed by July 1. Much drilling and blasting has been necessary in Balboa park on account of the rocky nature of the ground. A new water system has been installed in the west part of this park, where 85 acres were plowed, graded and prepared for planting. Considerable damage to trees and shrubs by wind is reported at La Jolla park. Several improvements have been carried out here. The number of trees and shrubs planted in Balboa park in 1912 was 16,480; La Jolla, 873.

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PINES AND HEMLOCKS

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Chestnut Hill, PHILA., PA.

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Herbaceous Perennials, Evergreens and Deciduous Trees, Shrubs, Roses and Vines at Wholesale and Retail. Catalogues upon request.

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The best lot of stock in this line we have ever seen. Every live florist and landscape man can make good use of the following subjects, and we are sure there is no better quality in the country:

Azalea Mollis , 15 to 18-in., bushy and full of buds.....	\$ 3.50 per 10, \$ 30.00 per 100
Ghent (Pontica). Named sorts, full of buds, 18 to 24-in.....	4.50 per 10, 40.00 per 100
Rhododendrons , 18 to 24-in., 8 to 12 buds, very fine.....	7.50 per 10, 70.00 per 100
24 to 30-in., 12 to 14 buds, very fine.....	10.00 per 10, 90.00 per 100
30 to 36-in., 14 to 16 buds, very fine.....	15.00 per 10, 125.00 per 100
24 in., seedlings, bushy, well budded plants.....	6.50 per 10, 60.00 per 100
Tree Roses , all hardy varieties, budded on straight stout stems....	3.50 per 10, 30.00 per 100
Hybrid Tea Roses , strong 2-yr., field grown dormant plants—Betty, fine pink, \$17.50 per 100; Gen. McArthur, Grus An Teplitz, Hermosa, La France, Mad. Jules Grolez (deep pink) Mamam Cochet, Mad. Caroline Testout, White Mamam Cochet, at \$15.00 per 100; Prince de Bulgarie, \$17.50 per 100.	

NEW BABY RAMBLER ROSES, 2-yr., field grown—

Erna Teschenhoff, the best red yet introduced, more petals than the original Baby Rambler, a deeper, brighter red and does not fade, \$4.00 per dozen, \$30.00 per 100.

Orleans, light Geranium red, opening to a bright rose color. Very free bloomer and compact shapely plant for pots, \$2.50 per dozen, \$18.00 per 100.

CLIMBING ROSES, 2-yr., field grown—

Farquhar	25.00 per 100
Tausendschon	15.00 per 100
Violet Blue	10.00 per 100
Yellow Rambler	10.00 per 100

Flower of Fairfield	\$20.00 per 100
Trier	12.00 per 100
White Dorothy	12.00 per 100

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Five Car Loads of Bay and Box Trees

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BAY TREES.

These trees come in tubs.

Nothing can approach these handsome trees for decorating porches piazzas, or hall entrances and they are largely used for stately effects in formal gardens.



STANDARD BAY TREE

Standard or Tree Shaped.			
Stems	Crowns	Each	Pair
36-in.	24 in.	\$ 7 00	\$13 00
45-in.	26-in.	7 50	14 00
45-in.	28-in.	8 00	15 00
45-in.	30-in.	10 00	18 00
48-in.	34 in.	12 00	22 00
48-in.	40-in.	15 00	28 00

Dwarf Standards.			
Stems	Crowns	Each	Pair
30-in.	24-in.	\$ 7 00	\$13 00
18-in.	24-in.	7 00	13 00
12-in.	30 in.	7 50	14 00

Pyramidal Shaped.			
		Each	Pair
5 ft. high, 24-in. diameter at base.		\$ 8 00	\$15 00
6 ft. high, 26-in. diameter at base.		10 00	18 00

BOX TREES.

Sheared into compact shape, these Box Trees make beautiful specimen plants in any form which can be used for all decorative purposes like the Bays, but at less expense. The bush plants can also be used with telling effect for window boxes.

Prices on Pyramid and Globes include new green tubs. If wanted out of tubs we allow 10 per cent discount.

Pyramidal Shaped.

	Each	Pair		Each	Pair
2½ ft. high.	\$2 00	\$3 75	4 ft. high.	\$4 50	\$ 8 00
3 ft. high.	2 50	4 50	5½ ft. high.	8 00	15 00
3½ ft. high.	3 50	6 00			



PYRAMIDAL BOX TREE

Globe Shaped, Trimmed.

Each	Pair	Each	Pair
15 in. high, 15 in. dia. \$2 75	\$5 00	18 in. high, 18 in. dia. \$3 50	\$6 50

Globe Shaped, Untrimmed.

Each	Pair	Each	Pair
15 in. high, 15 in. dia. \$2 00	\$3 75	22 in. high, 22 in. dia. \$3 00	\$5 50
18 in. high, 18 in. dia. 2 50	4 50	24 in. high, 24 in. dia. 3 50	6 50

Bush Shaped.

These do not come in tubs.

Each	Pair	Each	Pair	Doz.	100	Each	Doz.
12 in. \$0 40	\$4 00	\$30 00	24 in. \$1 00	\$10 00			
18 in. 60	6 50	30 in. 2 50	30 in. 2 50	per pair \$4 50			
20 in. 75	8 00	36 in. 3 50	36 in. 3 50	per pair 6 50			

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	Per 100	Per 1000		Per 100	Per 1000
American Beauties	\$5.00	\$45.00	Melody	\$4.00	\$35.00
White Killarneys	4.00	35.00	Richmonds	3.00	25.00
Pink Killarneys	4.00	35.00			

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American Beauties, \$6.00 per 100; \$55.00 per 1000. White Killarney, Pink Killarney, Richmond Sunrise, \$4.00 per 100; \$35.00 per 1000.

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CHICAGO.

Primula Obconica, strong plants, in bud and bloom. 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengerii, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

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Extra Fine Boxwoods



PYRAMIDS

	Each
2 to 2½ feet.....	\$1 25
2½ to 3 feet.....	1 75
3 to 3½ feet.....	2 50
3½ to 4 feet.....	3 00
4 to 4½ feet.....	4 25
4½ to 5 feet.....	5 00
5 to 6 feet.....	6 00

GLOBULAR

	Each
2 feet.....	\$1 25 to \$2 50

STANDARDS

	Each
15 to 18-inch.....	\$2 25
18 to 21-inch.....	2 75
21 to 24-inch.....	3 50
24 to 30-inch bushes.....	1 50
30 to 36-inch bushes.....	2 50

OBELISK , 5-ft.....	Each, \$12 00
GLOBE SHAPED , 2-ft.....	" 4 50
12-15-inch.....	Each, \$2 00 to \$2 50
BUSHES , 2½ ft.....	Each, \$1 50
2½ to 3 ft.....	" 2 50

AUCUBA , large.....	Each, \$3 00 to \$3 50
AUCUBA JAPONICA , 2 ft.....	Each, 1 00
AUCUBA TYPE , 2-ft.....	" 1 00
CONIFERS , assorted, 18-24-in.	" 1 00
3-3½-ft.....	" 1 50



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America, pink.....	100	1000
Brenchleyensis.....	\$3 00	\$25 00
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3 foot, well shaped.....	Each, \$2 50
3½ foot, well shaped.....	Each, 3 50

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2 1-2 ft. Spread

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10,000 Mixed Cannas

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Pink Killarney.....		4.00	35.00
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We are entirely cleaned out of Young Beauties, having disposed of our surplus Beauty plants to a local grower who unhesitatingly pronounced our plants the best seen in our locality—so if you want some nice strong plants with quality combined, DON'T OVERLOOK THIS ADV.

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POITEVINE and four other varieties, 3-in. pots.....	\$ 4 00
NUTT and POITEVINE , 4-in. pots.....	6 00
ALTERNANTHERA , red and yellow, 2¼-in. pots.....	2 00
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PANSY , plants in bloom.....	1 25
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	Per 100
10 varieties, my selection, 2¼-in. pots.....	\$ 2 00
CANNAS , 8 varieties, 3x4-in. pots.....	4 00
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Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000; \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill. Killarney Queen, \$15.00 per 100; \$120.00 per 1000.

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Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6.00 per 100, \$55.00 per 1,000. Richmond, 2½-in., \$5.00 per 100; \$45.00 per 1,000. The above is All select stock and a big bargain at prices quoted.

Best Chrysanthemum Cuttings

Finest Two Yellow and Pink Commercial Varieties Now Grown.

YELLOW					PINK				
	R. C. per		2½-in. per			R. C. per		2½-in. per	
	100	1000	100	1000		100	1000	100	1000
Comoleta,	\$3.00	\$25.00	\$4.00	\$35.00	Patty,	\$3.00	\$25.00	\$4.00	\$35.00
Best Early Yellow, Blooms September 27.					Beautiful Enchantress Pink, fine strong grower, (3½-in., per 100, \$5.00).				
Chrysolora,	\$5.00	\$40.00	\$6.50	\$60.00	Unaka,	\$4.00.	\$35.00	\$5.00	\$45.00
Best Yellow Money Maker, blooms October 5 to 10.					Earliest Pink, first week of October.				

WHITE				YELLOW				PINK						
R. C. per		2½-in. per		R. C. per		2½-in. per		R. C. per		2½-in. per				
100	1000	100	1000	100	1000	100	1000	100	1000	100	1000			
OCTOBER FROST.....	2 50	20 00	3 00	25 00	Col. Appleton.....	2 50	20 00	3 00	25 00	McNiece.....	2 50	20 00	3 50	30 00
Vir. Poehlmann.....	3 00	25 00	4 00	35 00	Crocus.....	4 00	35 00			Maud Dean.....	2 50	20 00	3 50	30 00
Alice Byron.....	2 50	20 10	3 00	25 00	Dolly Dimple.....	3 00	25 00			Dr. Enguehard....	2 50	20 00	3 50	30 00
Timothy Eaton....	2 50	20 00	3 00	25 00	Major Bonnaillon.	2 50	20 00	3 00	25 00	RED				
W. H. Chadwick....	3 00	25 00	4 00	35 00	Immense stock, still one of the best.					Schrimpton.....	2 50	20 00	3 00	25 00
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POMPONS—Large stock of the leading commercial varieties. 2½-in., per 100, \$4.00
List of Varieties Upon Application.

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Plants from 2½ inch pots \$3.00 per 100.

Asparagus Plumosus and Sprengerii; Ageratum, blue; Alyssum, Little Gem; Parlor Ivy; Euonymus, Radicans var.; Euonymus, golden var.; Geraniums, Mad. Salleri; Heliotrope, dark blue; Hydrangea Otaksa; Moonvine, large fl. white; Salvia, Bonfire; Santolina, dusty Miller; Snapdragon, white and pink; Swainsona Alba; Verbenas, pink, white and scarlet.

Plants from 3 inch pots. \$4.00 per 100.

Ivy, hardy English; Fuchsia, early fl.; Plum-bago, white.

Myrtle Plants, the real bridal Myrtle, 4 in. pots, \$1.50 per dozen; 3 in. pots, \$1.00 per dozen.

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Comte de Sach.....	6.00	50.00	New York.....	5.00	40.00
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250 at the 1000 rate.

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American Beauty.....	Doz. 100 1000 100	
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Hardy English Ivy, large leaf, mostly 3 plants to the pot. 20 inches long, out of pots \$5.00 per 100.
Small Leaf English Ivy, mostly 3 plants to the pot, out of 3 inch pots, \$5.00 per 100.
Clematis Paniculata, true to name. Out of 2 inch pots, \$2.00 per 100. Out of 2½-inch pots, \$3.00 per 100. Out of 3 inch pots, strong, \$5.00 per 100.
All goods travel at purchaser's risk.

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Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
F. O. B. West Grove.

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West Grove, Penna.

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Araucaria Excelsa, our specialty. April 1912 importation 5¼, 5½, 6 in. pots; 3, 4, 5, 6, 7 tiers; 14, 16, 18, 20, 25, 30 to 35 inches high; 40c; 50c 60c, 75c \$1.00, \$1.25 to \$1.50 each.

Ficus Elastica, (Rubbers), 5½, 6, 7 in. pots, all heights, 25c, 30c, 40c, 50c, 60c each.

Alexandra Daisies, 5½ in. pots, bushy, 20c to 25c each.

Primula Obconica, 4 in. strong, in bloom. 10c; 5¼ in., 15c to 20c.

Dracaena Terminalis, suitable for window boxes 5½ in. pots, well colored, 25c, 30c, 40c and 50c.

Crimson Rambler Roses, 6 in. pots, suitable for outdoor planting, 3 to 4 feet high, 50c.

Geraniums, 4 in. pots, **S. A. Nutt**, scarlet; **Buchner**, white; **E. G. Hill**, salmon; **Beaute Poitevine**, salmon; **Gloriosum**, pink and assorted colors;

Scarlet Sage, **Bonfire** and **Zurich**, \$7.00 per 100.

Begonia Argenti Cutati, 4 in. 15c, 2½ in. 7c.

Begonia, New Improved Erfordi pink and our new improved Verona. A bed of these varieties is a joy forever. 4 in. \$10.00 per 100; 3 in. \$7.00 per 100; 2½ in. \$5.00 per 100.

Asparagus Plumosus and **Sprengeri**, large 4 in. 10c; 3 in., 7c; 2½ in., 4c.

Hydrangea Otaksa, for planting out, 6-7 in., 25c, 35c, 50c, 60c.

Vinca, variegated, 4½ in. pots, 15c.

Small Plants.

Phlox, Drummondii grandiflora, assorted colors, 2½ in. pots, \$3.00 per 100.

Phlox, Drummondii compacta, assorted colors, 2½ in. pots, \$3.00 per 100.

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Pot	Leaves	In. high.	Each	Doz.
2½ in.	4	8 to 10		\$ 1 50
5 in.	6 to 7	18	50	6 00
6 in.	6 to 7	24	1 00	12 00
6 in.	6 to 7	26	1 25	15 00
6 in.	6 to 7	28 to 30	1 50	18 00
Cedar Tub Leaves				
		In. high.	Each	Doz.
7 in.	6 to 7	34 to 36	2 50	30 00
9 in.	6 to 7	40 to 45	4 00	48 00
Cedar tub				
	Leaves	In. high	Each	
9 in.	6 to 7	42 to 48	5 00	
9 in.	6 to 7	48 to 54	6 00	
9 in.	6 to 7	5 ft.	8 00	
9 in.	6 to 7	6 to 7 ft.	10 00	

Kentia Forsteriana—Made up				
Plants	In. high	Each	Doz.	
7 in.	36	2 50	30 00	
9 in.	40 to 42	4 00	48 00	
12 in.	60 to 66	12 50		
12 in.	66 to 72	15 00		
Phoenix Roebelenii				
		Each		
5 in., nicely characterized		\$1 00		
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Cibotium Scheidel				
	High	Spread	Each	
7 in.	18 in.	24 in.	\$2 00	
Cibotium Scheidel				
	Spread		Each	
7 in. pot, 2 to 2½ feet			\$2 00	
9 in. tub, 4 feet			4 00	
12 in. tub, 6 to 8 feet			8 00	

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Pennsylvania, 6 feet.....	4.00
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Triumph, 3 feet.....	3.00

PINKS	Per 100
Louise, 5 feet.....	3.00
Luray, 4 feet.....	3.00
Mlle. Berat, 4 feet.....	3.00
Wawa, 3 feet.....	6.00
West Grove, 4½ feet.....	4.00

YELLOW AND ORANGE	Per 100
California, 3 to 4 feet.....	3.00
Wyoming, 7 feet.....	3.00

VARIEGATED	Per 100
Burbank, 4½ feet.....	3.00
Comte de Bouchard, 4½ feet.....	3.00
Elizabeth Hoss, 3½ feet.....	3.00
Italia, 4 feet.....	3.00

BRONZED LEAVED RED
Mrs. Geo. A. Stroblein, 6 feet..... 2.00

THE CONARD & JONES COMPANY, Pa.

Cannas. Fine dormant 2 to 3 eye bulbs. Cinnabar and mixed, 75c per 100. Sec. Chabanne, \$1 per 100. Pres. Cleveland, Paul Marquand, \$1.50 per 100. Pennsylvania, C. F. Read, \$2.50 per 100. Papa Nardy \$4 per 100. WAGNER PARK CONSERVATORIES, Sidney, Ohio.

Cannas, ready to pot, delivery now or later. Florence Vaughan, Chas. Henderson, Egandale, \$2.50 per 100. Pennsylvania, Louisiana, large flowered, \$3 per 100. P. Pearson, 5732 Gunnison St., Chicago.

Canna King Humbert, fine 3-in., \$10 per 100. F. Vaughan, Henderson, Alemania, Wallace, \$5 per 100. Cash please. Harry Heintz, West Toledo, O.

Cannas, 8 vars. 3x4-in. pots, \$4 per 100. King Humbert, 3x4-in. pots, \$7 per 100. Jos. H. Cunningham, Delaware, O.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Cannas, best named varieties. F. F. Scheel, Shermerville, Ill.

CAPE JASMINES.

Cape Jasmine. Remember you will get your orders filled if you order buds from The Texas Coast Jasmine Farms. Watch for our large ad. later. R. W. Woodward, Mgr., Alvin, Texas.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

CARNATIONS.

50,000 Cuttings Pure White Enchantress in sand now. This is the best commercial white; \$20 per 1,000 and every cutting guaranteed strictly No. 1 stock.

	Per 100	Per 1,000	Pot
Pure White Enchantress....	\$2.50	\$20.00	\$3.25
Light Pink Enchantress....	3.00	25.00	3.25
Rose Pink Enchantress....	3.00	25.00	3.25

Also Dorothy Gordon, White Wonder, Gloriosa and Rosette in limited quantities.

Cash or Reference.
SMITH & GANNETT. GENEVA, N. Y.

Carnation cuttings for immediate delivery. Extra strong plants from soil. Enchantress and White Enchantress, \$3 per 100; \$25 per 1,000. Write for prices on the following varieties from sand: Wodenethe, White Wonder, White Enchantress, Enchantress, Beacon, and Rose Pink Enchantress. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, from 2-in. pots: Rosette, St. Nicholas, Benora, \$6 per 100. White Perfection, White Enchantress, Scarlet Glow, \$3 per 100. F. Dörner & Sons Co., LaFayette, Ind.

Carnation Princess Dagmar, \$12 per 100; \$100 per 1,000. Patten & Co., Tewksbury, Mass.

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1,000
Enchantress	2.00	18.00
White Enchantress	2.00	20.00
Princess Charming	2.00	20.00
White Lawson	1.50	12.50
White Perfection	2.00	18.00
Victory	1.50	12.50
Bonfire (finest red)	3.00	25.00

WIETOR BROS.,

162 N. Wabash Ave., Chicago, Ill.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Dailledouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

For immediate shipment, strong guaranteed cuttings that will produce fancy stock. White Perfection, Enchantress, \$20 per 1,000. White Enchantress, \$25 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Carnation cuttings, \$3 per 100; 2½-in., 6 per 100. J. L. Dillon, Bloomsburg, Pa.

Carnations, chrysanthemums. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.**CHRYSANTHEMUMS.****ROOTED CUTTINGS—READY NOW.**

\$1.50 per 100; \$12.50 per 1,000.

Oct. Frost,	Monrovia,
Early Snow,	Halliday,
Geo. S. Kolb,	Appleton,
C. Touset,	Major Bonaffon,
F. Pullman,	Golden Wedding,
White Cloud,	
Mrs. Buckbee,	J. K. Shaw,
Des Jonis,	Maud Dean,
Queen,	Jeanne Rosette,
Silver Wedding,	
Clay Frick,	Admiral Schley,
Nellie Pocket,	Cullingfordii,
Lynwood Hall,	Champaign,
White Bonaffon,	W. R. Church,
Yanoma,	L'Africaine.
Early Yellow,	
Director Gerard,	

MEMPHIS FLORAL CO.,

MEMPHIS, TENN.

Chrysanthemum plants, all the commercial, standard sorts, \$3 per 100; \$25 per 1,000. Chrysolora and Roman Gold, \$4 per 100; \$35 per 1,000. The E. G. Hill Co., Richmond, Ind.

Chrysanthemums, rooted cuttings and 2½-in. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, large flowering, pompons, single and anemone flowered; best vars., 2½-in., \$3 per 100. Frank Oechsling, 4911 Quincy St., Chicago.

Chrysanthemums, rooted cuttings, Jeanne Nolin, Nagoya, Pacific Supreme, Major Bonaffon, \$1 per 100. Chas. Iazer, best white, \$1.50 per 100. Edward Wallis, Berlin, N. J.

Chrysanthemums, all the money making varieties. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, rooted cuttings. Erie Floral Co., Erie, Pa.

CLEMATIS.

Clematis paniculata, 2-in., \$2 per 100; 2½-in., \$3; 3-in., \$5. Samuel V. Smith, 3323 Goodman St., Philadelphia.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, April 28, red, yellow and assorted, \$6 per 1,000; 2½-in. pots, \$2 per 100. A. M. Herr, Lancaster, Pa.

Coleus, Verschaffeltii and G. Bedder, 60c per 100. Erie Floral Co., Erie, Pa.

Coleus, Verschaffeltii and G. Bedder, 60c per 100. The Erie Floral Co., Erie, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEUM, finest strain in existence, including GLORY OF WANDSBEK, finest salmonium, orchid flowering, Rococo, strong transplanted seedlings, \$3.00 100; \$25.00 1,000. Cash, please.

Rober & Radke, Maywood, Ill.

Cyclamen giganteum, choicest mixture, 3-in., \$5 per 100. Cash. John Bauscher, Freeport, Ill.

DAHLIAS.

Dahlias, 100,000 field-clumps; 100 varieties of cream. Get list. Benj. Connell, Florist, Merchantville, N. J.

Dahlias, standard and new cut flower varieties. Lindhurst Farm, Hammonton, N. J.

DRACAENAS.

Dracaenas, Lindlei and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz.; 7-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Chicago and New York.

Dracaena indivisa, 4-in., 10c; 5-in., 20c; 6-in., 25c. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Dracaena Ind., fine stock, big plants, 3-in., \$5; 4-in., \$8; 5-in., \$15 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Dracaena, 6-in., \$30 per 100; 5-in., \$25; 4-in., \$15. West Main Greenhouses, Corfu, N. Y.

Dracaenas. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dracaena indivisa, fine large 3-in., \$5 per 100; 4-in., \$8 per 100. Cash. John Bauscher, Freeport, Ill.

Dracaena massangeana, 6-in., \$1 and \$1.75 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

DWARF FERNS FOR FERN DISHES. These dwarf ferns are used by the hundreds of thousands to fill dishes for table decorations. Our sales each year exceed fifty thousand plants. Our stock is in prime condition, ready to use at once. We offer 9 choice varieties, Pteris Cretica, Alboboloeata, Vitorica, Wilsoni, Mayli, Pteris Multiceps, Aspidium Tsussimense, Sieboldii, Winstedii, Cyrtomium Falcatum or Holly Fern. Price 50c per doz.; \$3.50 per 100; \$30 per 1,000. Our new catalog giving prices on ferns, roses and all other plants ready now. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World.
Box 18. Springfield, Ohio.

Ferns, Boston, 2½-in., \$3 per 100; \$30 per 1,000. Roosevelt, 2½-in., \$5 per 100; \$40 per 1,000. Whitman Compacta, 2½-in., \$5 per 100; \$40 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

FERNS.

Scotti, 2½-in., \$4 per 100; Scholzelii, \$4 per 100; \$35 per 1,000. Boston, \$4 per 100; \$35 per 1,000.

Ferns for dishes, 2-in. assorted, to clean out, \$2.50 per 100; \$20 per 1,000. Transplanted seedlings, \$1 per 100; \$9 per 1,000. Rober & Radke, Maywood, Ill.

Table ferns, 10 vars., 2½-in., \$3 per 100; \$25 per 1,000; 3-in., strong, \$6 per 100; \$55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

15,000 handsome Whitman ferns, well rooted runners from bench, \$2 per 100. Cash. E. F. Rose, Taunton, Mass.

BOSTON FERNS, 2½-in., bushy plants, ready to shift, \$3.50 per 100. Cash. JOHN BAUSCHER, JR., Freeport, Ill.

Hardy ferns. Descriptive list mailed. Ludwig Mosbræk, Askov, Minn.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus pandurata, 6-in., \$3.50 each. Elastica, 6-in., 75c to \$1 each. Poehlmann Bros. Co., Morton Grove, Ill.

GARDENIAS.

GARDENIA VEITCHII, 3, 4 and 5-in. pots; this is the real winter flowering variety, \$4 \$5 and \$6 per doz.; \$25, \$35 and \$50 per 100. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

GERANIUMS.**GERANIUMS.**

Good, healthy, fall-rooted plants from 2½-in. pots at \$3 per 100; \$27.50 per 1,000, except where noted; Beaute Poitevine, Marquis de Castellane, S. A. Nutt, Jean Vland, La Favorite, A. Ricard, Mme. Landry, Mrs. E. G. Hill, Heteranthus, M. Jaulin, Red Wing (6c each). Our new catalog of everything you need mailed upon application. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World.
Box 18. Springfield, Ohio.

NEW AMERICAN BEAUTY.

FOR THE FIRST TIME WE ARE OFFERING THIS WONDERFUL NEW GERANIUM TO OUR MANY CUSTOMERS. WRITE FOR COLORED CUT AND PRICES ON LARGE LOTS. 2½-IN. POTS, 50c EACH; \$5 PER DOZ. CASH.

JOHN BAUSCHER,

104 CHICAGO ST. FREEPORT, ILL.

Geraniums, strong, stocky plants in bud and bloom; S. A. Nutt, Ricard, Beaute Poitevine, White Buchner, 4-in., 7c and 8c; 3½-in., 6c; good stock guaranteed. Cash with order. Gus Schlegel, Olney, Ill.

50,000 S. A. NUTT.

FOR IMMEDIATE DELIVERY. Extra strong top cuttings, well rooted, \$10 per 1,000. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, 2-in., strong, sturdy plants, \$20 per 1,000. Cash with order. M. C. Gunterberg, 82 East Randolph St., Chicago.

Geraniums, Poitevine and four other vars., 3-in., \$4 per 100. Nutt and Poitevine, 4-in., \$6. Jos. H. Cunningham, Delaware, O.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geraniums, Mme. Sallerol, 2-in., \$2 per 100; \$18 per 1,000. Other varieties all sold till end of April. Rober & Radke, Maywood, Ill.

Geranium Scarlet Bedder, \$1.50 per ten; \$12.50 per 100; \$100 per 1,000. Elmer D. Smith & Co., Adrian, Mich.

Mrs. Loyal (pansy geranium) 2½-in., 85c per doz.; \$6 per 100. Vaughan's Seed Store, Chicago and New York.

Geraniums, May 5 and after, \$10 per 1,000 for Nutt and Poitevine; \$12.50 for Ricard. A. M. Herr, Lancaster, Pa.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., E. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut-Flower Exchange, 38-40 Broadway, Detroit, Mich.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Fancy ferns, \$1.50 per 1,000. Robert Groves, Adams, Mass.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

HOLLYHOCKS.

DOUBLE HOLLYHOCKS, separate colors, strong field plants, 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

HYDRANGEAS.**HYDRANGEAS.**

The New French Forcing Hydrangeas: This will absolutely supersede Thomas Hogg; 3-inch pots, \$6 per 100.

LA LORRAINE—Pale rose changing to bright cerise pink, claimed by many to be the best of all; 3-inch pots, \$10 per 100.

REMEMBER now is the time to buy these hydrangeas and grow them along for another year. This fall we will offer all of Lemoine's and Mouillere's novelties in hydrangeas, including E. G. Hill, the Gem of them all. The great blooming qualities of these hydrangeas are their talking points. You may have in a four-inch pot, three to five immense heads of blooms. You will never grow the old varieties again after you become acquainted with these new ones. Write today for our catalogue of everything you need in the Rose and Plant Line.

THE GOOD & REESE COMPANY,

The Largest Rose Growers in the World.

SPRINGFIELD, OHIO.

Hydrangeas Otaksa, 2½-in., 3c. Rober & Radke, Maywood, Ill.

Hydrangea Otaksa, 3 to 10 shoots, 10c to 35c. Erie Floral Co., Erie, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

IRIS.

Now is the time for planting.

	Per 100
Iris pallida dalmatica.....	\$10.00
Iris Madam Chereau.....	5.00
Iris Siberica, strong divisions.....	3.00

Special discount on larger quantities.

J. A. PETERSON.

Westwood. Cincinnati, O.
JAPANESE IRIS, mixed, strong field plants, 500 for \$15; 1,000 for \$25. Jackson & Perkins Company, Newark, New York.

IVIES.**ENGLISH IVY.**

Fine plants from 2½-in. pots, \$3.50 per 100; \$30 per 1,000. Write today for our catalogue of all plants and roses.

THE GOOD & REESE COMPANY,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

Ivy, hardy English, 20 ins. long, out of pots, \$5 per 100. Small leaf English ivy, 3-in., \$5 per 100. Samuel V. Smith, 3323 Goodman St., Philadelphia.

English ivy, 4 ft., 4-in. pots, \$15 per 100; 4½-in., \$20. Bobbink & Atkins, Rutherford, N. J.

English ivy, R. C., 75c per 100; prepaid. Chas. Frost, Kenilworth, N. J.

LILY OF THE VALLEY.**To Import.**

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the Valley, cold storage. Order now for June weddings Bruns' Celebrated Chicago Market Brand, \$18 per 1,000; \$9.50 per 500; \$5 per 250. Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3040 W. Madison St., Chicago.

MARGUERITES.

Marguerites, Sanders, 3-in., 5c; 4½-in., 10c. Large flowering and California, single, 2-in., 2c; 3-in., 4c; 4½-in., 8c. Mostly budded. Rober & Radke, Maywood, Ill.

New double marguerite Mrs. F. Sander, large yellow winter-flowering, and Queen Alexandra, 2½-in., \$2 per 100. Cash. John Bauscher, Freeport, Ill.

Marguerites, Mrs. E. Sanders and Queen Alexandra, 2½-in., 60c per doz.; \$4 per 100. Vaughan's Seed Store, Chicago and New York.

MOSS.

Green sheet moss, 1 bale (5 bundles) \$1.25; 5 bales (25 bundles), \$6. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

Sphagnum Moss, 10 burlap bales, \$13.50; 10 wired bales (large), \$11. Vaughan's Seed Store, Chicago.

Moss, surplus of 12 barrel bale New Jersey moss, delivered anywhere in Chicago, \$5 per bale, 2 or more bales, \$4.75 per bale. Klehm's Nurseries, Arlington Heights, Ill.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture, American Spaw Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers. autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, evergreens, herbaceous perennials and deciduous trees, shrubs, roses and vines. The New England Nurseries Co., Bedford, Mass.

Evergreen hedges and hardy phlox. Adolf Mullet, Norristown, Pa.

ORANGES.**ORANGE OTAHEITE.**

From 2½-in. pots, \$3 per 100; \$27.50 per 1,000. Our catalog of everything you need included on application. Write for it today.

THE GOOD & REESE CO.

Largest Rose Growers in the World.
Box 18, Springfield, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Osmundine (Osmunda fibre or orchid peat.) The C. W. Brownell Co., Walden, N. Y.

PALMS.

Palms, Kentia Forsteriana and Belmoreana, all sizes from 4-inch to 12-inch tubs, 35c to \$15 each. Pochmann Bros. Co., Morton Grove, Ill.

Cycas, from 1 to 10 lbs., up to 50 lbs., 10c per lb.; 50 to 100 lbs., 9c per lb.; 100 lbs. and up, 8c per lb.; 500 lbs. and up, 7½c per lb. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hancock, Wyncote, Pa.

Kentia Bel., 3-in., 3 leaves, \$1 per doz. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

PANDANUS.

Pandanus Veitchii, 5-in., 75c each; 6-in., \$1.25 each; 7-in., \$2 each. Pochmann Bros. Co., Morton Grove, Ill.

Pandanus, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

PANSIES.

Pansies, 60,000 large stocky (Sept. transplanted) field-grown, blooming pansy plants. Henry Mette's strain, \$1 per 100; \$10 per 1,000. Cash. The Brill Celery Gardens, Kalamazoo, Mich.

Strong, stocky, fall Pansy Plants; large flowering, 50c per 100; \$4 per 1,000. Cash with order. Gus. Schlegel, Olney, Ill.

Pansies, field grown, \$1.25 per 100; \$10 per 1,000. Leonard Cousins, Jr., Concord Junction, Mass.

Pansy plants, in bloom, \$1.25 per 100. Jos. H. Cunningham, Delaware, O.

PEONIES.**PEONIES.**

"Peonies for Pleasure." This book of "Peonies for Pleasure" gives information on peony history; soil and plants to use; how and when to plant; fertilizers and how to apply, and describes the most extensive planting of really valuable Peonies ever gathered together under the sun; describes the old and the new as well as the plebeian and aristocrat of the Peony family. If you want information on the plant that stands next to the Rose in beauty, that is practically known to the amateur as simply a red, white and pink Peony, then send for "Peonies for Pleasure." We also issue a special wholesale price list of Peonies for Fall Sales, 1913. Send for both of these booklets. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.

Largest Rose Growers in the World.
Box 18, Springfield, Ohio.

PETUNIAS.

Double petunias, white and lavender, \$4 per 100; 2½-inch stock. Kehley & Shelnutt, Columbus, Ga.

Petunias, dbl. 2½-in., \$3 per 100; from double seed, \$2.50. Jos. H. Cunningham, Delaware, O.

POINSETTIAS.

POINSETTIAS, stock plants, 2 and 3-year-old, \$5 per 100. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

PRIMULAS.

Primula obconica, in bud and bloom, fine 3-in., ready for 4-in., \$3.50 per 100. Cash. John Bauscher, Freeport, Ill.

Primula obconica grand., 2½-in., \$3 per 100; \$25 per 1,000. Pochmann Bros. Co., Morton Grove, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

PRIVET.

AMOR RIVER PRIVET, 6 to 12 inch., \$12; 12 to 18 in., \$14.50 per 1,000; all well branched. VALDESAN NURSERIES, Bostic, N. C.

RHODODENDRONS.

Rhododendrons. The Storrs & Harrison Co., Painesville, O.

Rhododendrons, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

ROSES.**STOCK FOR SALE.**

ROSES—For Summer Bedding—Bessie Brown, Pink Maman Cochet, White Maman Cochet, Gruss an Teplitz, Helen Goss, Hermosa, Helen Gould, Lady Hillington, Miss Alice de Rothschild, Mrs. Taft, (Antoine Riviere), President Taft, Rhea Reid, Sunburst, Tausendschon, (Excelsa) Red Dorothy Perkins, Dorothy Perkins, Lady Gay, Crimson Rambler, Wm. R. Smith and all other bedding Roses from 2½ and 4-in. pots. Our new catalog giving prices on all roses and other plants ready now. Write for it today.

THE GOOD & REESE CO.

Largest Rose Growers in the World.
Box 18, Springfield, Ohio.

Roses, grafted, Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillington, \$10 per 100; \$100 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95 per 1,000 in 100,000 lots. Killarney Queen, \$15 per 100; \$120 per 1,000. Own root: Prince de Bulgarie, Melody, Lady Hillington and My Maryland, \$6 per 100; \$55 per 1,000. Richmond, 2½-in., \$5 per 100; \$45 per 1,000. Pochmann Bros. Co., Morton Grove, Ill.

ROSE PLANTS.

My Maryland, 2½-inch. Strong plants, \$3.50 per 100; \$30 per 1,000.

One Year Old Bench Plants.

Pink and White Killarney, \$3.50 per 100; \$30 per 1,000.

American Beauties, \$6.00 per 100; \$50 per 1,000.

GEORGE REINBERG.

162 North Wabash Ave., Chicago.

Roses, 2½-inch plants. Am. Beauties, \$5 per 100; \$45 per 1,000. White Killarney, Pink Killarney, Melody, Sunrise, \$4 per 100; \$35 per 1,000. Richmond, \$3 per 100; \$25 per 1,000. 2-year Bench plants: Am. Beauties, \$6 per 100; \$55 per 1,000. White Killarney, Pink Killarney, Richmond and Sunrise, \$4 per 100; \$35 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago.

Roses, grafted: Richmond, White Killarney, Pink Killarney, Kaiserin, 2½-in., \$10 per 100; \$95 per 1,000; 3-in., \$15 per 100; \$145 per 1,000. Own roots: My Maryland, Pink Killarney, White Killarney, Richmond, Kaiserin, Perles, 2½-in., \$5 per 100; \$45.50 per 1,000; 3-in., \$7 per 100; \$30 per 1,000. J. L. Dillon, Bloomsburg, Pa.

ROSE PLANTS.**2½-in. fine young stock**

	Per 100	Per 1,000
Richmond	\$3.50	\$30.00
My Maryland	4.00	35.00

WILTON BROS.

162 N. Wabash Ave., Chicago.

Roses, 2½-inch pots: Prince de Bulgarie, \$6 per 100; \$50 per 1,000. Richmond, \$5 per 100; \$40 per 1,000. Pink and White Killarney, \$4 per 100; \$35 per 1,000. Radiance and Madison, \$5 per 100. J. S. Budlong, 82 East Randolph St., Chicago.

Roses, White Killarney, 2½-in., \$35 per 1,000; Pink Killarney, 2½-in., \$35 per 1,000. Lady Hillington, 2½-in., \$45 per 1,000. Rooted Cuttings: Pink Killarney, \$18 per 1,000. Cash or reference. L. B. Coddington, Murray Hill, N. J.

Roses, 5 and 6-in. pots, hybrid teas, hybrid perpetuals, teas and everblooming. Rambler, Baby Ramblers, moss roses, hybrid sweet briars, Austrian briars, Wichuriana, etc. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Roses, American Beauties, 2½-in., \$6 per 100; \$50 per 1,000. Pink and White Cochet, \$3 per 100; \$27.50 per 1,000. The E. G. Hill Co., Richmond, Ind.

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Roses. For varieties and prices see advertisement elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Roses, McHutchison & Co., 17 Murray St., New York.

Roses, 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses, Bobbink & Atkins, Rutherford, N. J.

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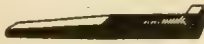
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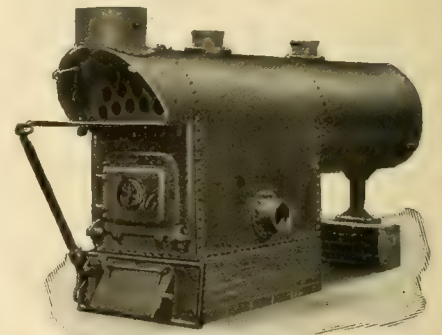
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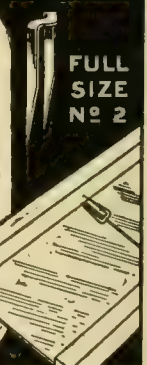
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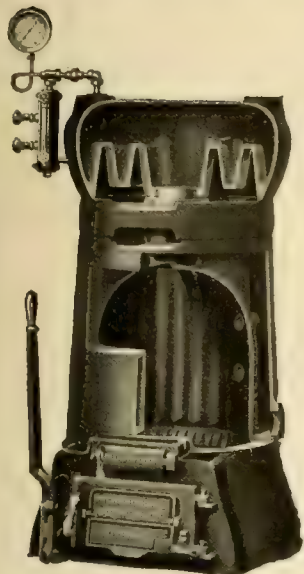
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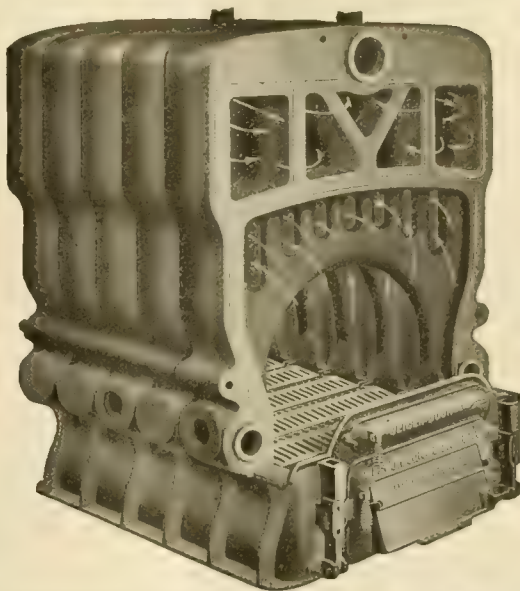
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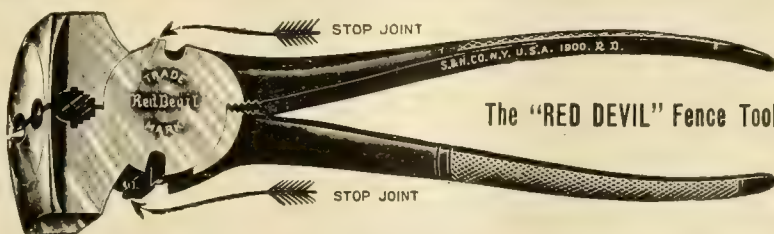


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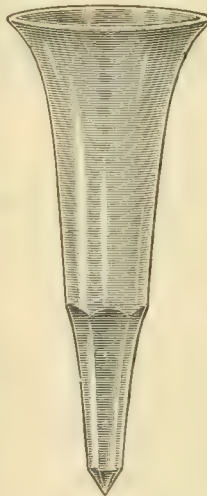
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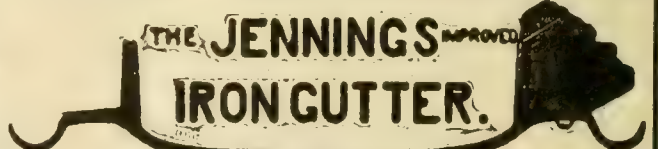
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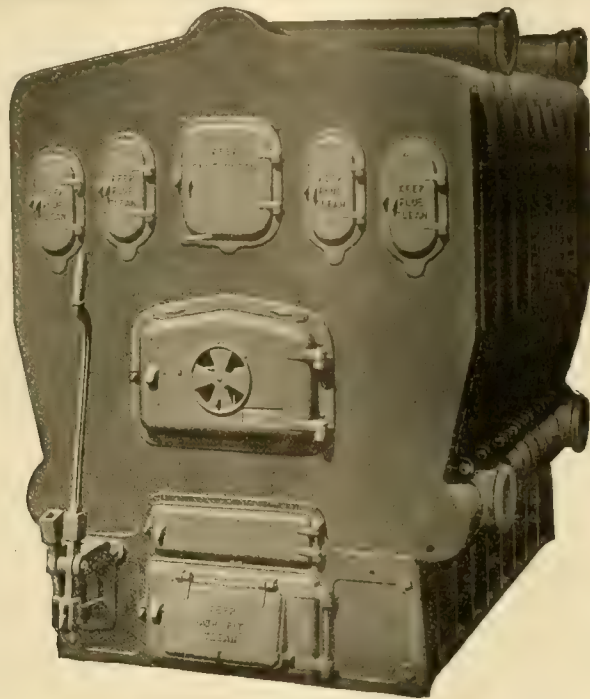
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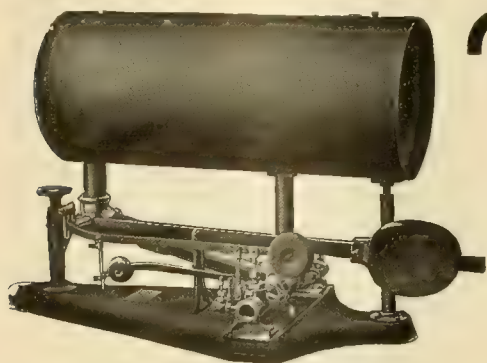


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Vol. XL

CHICAGO AND NEW YORK, MAY 3, 1913.

No. 1300

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dent; J. J. LEVISON, Brooklyn, N. Y., Secretary-
Treasurer.

AMERICAN GLADIOLUS SOCIETY.

Next annual meeting and exhibition at Minn-
neapolis, Minn., August, 1913. I. S. HENDRICKSON,
Floral Park, N. Y., President; L. MERTON GAGE,
South Natick, Mass., Sec'y.

RAILWAY GARDENING ASSOCIATION.

Seventh annual convention, Nashville, Tenn.,
August 12-15, 1913. C. H. TRITSCHLER Nashville,
Tenn., President; W. F. HUTCHINSON, Sewickley,
Pa., Secretary.

WINDOW AND PORCH BOXES.

Plant Boxes for Downtown District.

Recognizing the importance of flow-
er boxes in the business district, the
committee on downtown streets of the
Chicago Association of Commerce has
issued a booklet calling the attention
of business men to their opportunity
in this direction. The advertising val-
ue of this touch of nature in the heart
of a great city is one of the many ad-
vantages pointed out. Already sev-
eral of the great hotels, banks and
other business institutions are using
window and interior plant boxes, add-
ing much to the beauty of the place
and making a decided impression on
the public.

To quote from the committee's book-
let: "Chicago has the opportunity
greatly to improve the appearance of
its business district during the sum-
mer months by the adornment of busi-
ness buildings with flowers, vines, or
shrubby grown in boxes. The co-
operation of all progressive building
owners and tenants is invited in add-
ing 'a touch of nature' that will be
a source of pleasure to the people of
Chicago, to visiting business men and
to tourists. The favorable impression
you make will bear direct fruit. Such
ornamentation is a 'living advertise-
ment' and worth many times its small
cost. Dispel from the minds of people
the idea that downtown Chicago is
ugly. The growing of plants within
the loop district is not an experi-
ment." The booklet here notes a num-
ber of hotels, banks, restaurants, etc.,
where the idea has been carried out.

"The use of flower boxes has a fa-
vorable effect upon one's trade and
one's employes. Progressive manufac-
turers in Chicago and elsewhere have
found that more and better work can
be secured from employes when the
windows of the working rooms are
filled with growing plants. What is
true of manufacturers is true of all
other lines of business. Those who
have tried the plan find that they
cannot afford to be without the grow-
ing plants. Flower boxes exert an
influence both from the inside and
from the outside. In other cities ten-
ants in offices too high to be seen from
the street have maintained flower box-

es for the influence they seem to have
upon their employes and their clients.
In a mechanical age, when surrounded
on every side by things artificial, the
use of growing plants is the one touch
of nature that brings us back to real
things.

"Experience with flower boxes in Chi-
cago and elsewhere has proven that
growing plants can be maintained for
months with a little regular attention,
that the flower boxes do not fall on
people's heads, and that they do not
leak and stain the building. The best
results seem to have been obtained
by the use of a sub-irrigated flower
box. Wherever flower boxes are cared
for by the tenant this is preferable.
The plants may be cared for by the
tenants or by the florist. Growing
plants may be rented from the florist
for the summer season, in which case
the work of maintenance is done by
the florist."

Plant Arrangements and Box Styles.

This is the season of plant and flow-
er boxes of all kinds, and this de-
partment is one which the florist can
ill afford to neglect. The work pays
well whether the choicest of foliage
plants and vines are used or the ordi-
nary kinds. If attended to properly it
is sure to give satisfaction and this
means more trade from the same cus-
tomers in days to come. Florists
would do well to call the attention of
the public to the beauty of a few flow-
ers growing in a box in the summer
months, for unless the public gets the
habit the retailer will not do a great
deal of this class of work. Among
the rich and the people who, if not
rich, are at least very comfortably
situated, thousands of dollars are
spent every summer on this one item.
The man of average income, however,
need not be without his window box,
for the ordinary, everyday plant at a
very reasonable price will add much
beauty to any home. Boxes in the re-
tailer's place of business, adequate ad-
vertising, and wherever possible, the
use of circulars, and even personal
canvassing on occasion may succeed
in building up a good trade in this
line.

The accompanying illustrations give a good idea of what may be done in this branch of the trade. Some of the more elaborate arrangements are, of course, too costly for the average salaried man, but others are within the reach of almost everybody who is unwilling to slight his love and appreciation of growing things where growing things are all too scarce. Palms, rubber plants, dracaenas, pandanus, etc., are all used with fine effect in the more elaborate arrangements. What the person of moderate means needs, however, is something that will keep on flowering all summer. White marguerites, vincas, both green and variegated, and geraniums are splendid plants for such cases. If watered and fed as required they will keep well during the entire season. S. A. Nutt and Jean Viaud are two very good geraniums to use. Dwarf lobelias and vines of *Thunbergia alata* are also desirable. Ingenuity in making combinations that will not be prohibitory in price but will still be beautiful is necessary on the part of the florist. Nasturtiums, ivies, Boston ferns, *Asparagus Sprengeri*, *Solanum jasminoides* are a few of the many plants that may be used.

The box obviously must be made to fit the window and to set off but not to obscure other objects of beauty, but otherwise its shape is immaterial. It should be deep enough for good drainage, nine or ten inches at least. The material of which the box is made of course will depend a great deal on the price the customer wishes to pay. Boxes of oak and cypress are, however, cheaper in the end than the less costly kind, as they do not have to be renewed. The box should harmonize in color with the house and the common green color is often out of place, not fitting its surroundings, and often detracting from the green of the vines or plants. Especial care must be taken of the soil if the plants are to continue to do well. If satisfied customers are desired they must retain their freshness throughout the season. Loam from rotted soil should form the basis of the compost. One-fourth well rotted cow manure and leaf mold in about equal parts should be added. If the sod is of a close-knit nature sand or grit should be included. The plants must be able to run their roots throughout the soil but there should be substance enough to make for life and to keep them vigorous.

Planting.

Where the vines are heavy they must be planted firmly so the wind will not tear them loose. It is better to plant them first and then firm the soil around them. Rough-leaved plants should be left out of consideration if there is a great deal of dust to contend with. The ferns, asparagus and the like can be placed between the vines. Do not water too heavily if the boxes are to be filled at the greenhouse and removed at once. Use just enough to settle the soil when they are first planted and give a good watering when their final destination is reached. If the boxes are filled at the house the help must be cautioned to clean up the litter and to leave everything in a neat condition if a regular customer is desired. It is well also to instruct the purchaser in the best manner of caring for the plants to keep them in good condition. If in a sunny position copious watering

will, of course, be necessary. If the dust from the street reaches the plants frequent syringings will be in order. Above all, it must be remembered that it is not necessary for the box to look well merely at the time of the sale, but that every precaution must be taken to keep it in that condition. On just such little details does success or failure in the flower trade hinge.

The Lawn Vase.

Lawn vases are quite as important summer adjuncts of the flower business as are window boxes, although not in such general use. They are indispensable for large grounds, however, but they are too frequently not the objects of beauty they should be. There may be several reasons for this. Plants in metallic receptacles should be placed in shady positions as they will otherwise be likely to suffer from overheating of the roots. Good drainage must also be provided. Overcrowding must be avoided also. The selection of colors that harmonize is as important here as with window boxes, and unless the plants are arranged in good taste the mere fact that they are in a thriving condition will not matter materially. The rustic idea is often carried out with good effect where lawn vases are used, as it lends itself naturally to the work. A lard barrel sawed to the right length and with perforations in the bottom for drainage will do very nicely, but of course the plants should hide the barrel from view.

MILTON, MASS.—The home garden committee of the Educational Society will hold a flower show June 14-15.

ALBUQUERQUE, N. M.—R. S. Elwood, receiver of the Albuquerque Floral Co., has been ordered to sell the property to G. Shaw.

CANAL DOVER, O.—C. Betscher has planted several acres of gladiolus America and other stock, the weather being fine. Peonies will be in early. The prospects are excellent.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Dundonald Memorial Wreath.

SEE SUPPLEMENT WITH THIS ISSUE.

Our supplementary illustration this week shows a Dundonald memorial wreath, which was made of bronze magnolia and genuine Scotch heather for the anniversary of the death of General Sir Isaac Brock, who led the Canadian forces in the War of 1812. The Dundonald plaid was used for draping and the wreath was on a 36-inch frame. This wreath suggests a great variety of new things in wreaths and other designs for Memorial day approaching.

The New Woodward Flower Shop.

The most recent addition to Detroit's numerous well appointed floral stores is that of the Woodward Flower Shop, 361 Woodward avenue. Norman Sullivan, well known to the trade, is the proprietor. The store proper is 20x65 feet and attached thereto is a greenhouse 20x85 feet. The store is modern in all respects with terrassa floor, high ceiling and well-lighted both day and night. The window platform, which is of white tile, is 9 feet long by 5 feet wide. The ceiling of the window is of white paneled woodwork provided with subdued electric light of maximum requirement.

The booth effect to the right side of the entrance is both novel and useful, for here the rest chairs and patrons' desks are located. On the opposite side stands the capacious refrigerator in which the choicest of the season's flowers are kept. The store has a splendid basement with concrete floor and is provided with departments for a large supply of boxes, wire designs and florists' requisites. The greenhouse has a central aisle 5 feet wide on each side of which are raised benches for display of plants in the most advantageous manner. The rear 25 feet of the greenhouse is partitioned off and used for the storage of the automobile,



WOODWARD FLOWER SHOP, NORMAN SULLIVAN, PROP., DETROIT, MICH.

Interior View of the Store.

affording facilities for loading and unloading, a feature particularly desirable in cold weather. The greenhouse is nine feet high to the gutter plates and affords a splendid opportunity for the installation in future of a fountain and rockery as an embellishing and attractive feature. The business is situated in a new and fast developing shopping district and it will be one of the leading flower shops of the city.

J. F. S.

Mothers' Day.

Because Miss Anna Jarvis of Philadelphia, Pa., lost her mother by death a few years ago, thousands of people will wear flowers Sunday, May 11. In this way will they honor not only Miss Jarvis' mother but all mothers, their own especially. Mothers' day comes appropriately the second Sunday in May, when flowers are plentiful because the mother earth from which we all sprang is working overtime that we may do honor to our other mother, the one who gave us life at risk of her own and cared for us when we were not able to care for ourselves.

Most florists and many people who are not florists are familiar with the story of how Mothers' day originated. It is an old story that becomes new again just as the earth itself becomes new each spring with the same flowers it wore before, the flowers that never become old or tiresome. It is a story that bears retelling, because as we grow old, stories of mothers are as sweet and as perennially beautiful and enduring as are stories of children to the mothers themselves.

Six years ago Miss Jarvis conceived the idea of a special floral holiday in honor of the mothers of all the people of all the world. We already had holidays for other occasions, days commemorating special events or in honor of significant phases of our national life. But for her who made those holidays possible we had no holiday. We had days in which we honored our soldier dead, the birth of our nation, the daily struggle and travail which we call labor and which makes life possible, the gathering of the harvest and the birth and resurrection of Jesus. But for her who gave us all of these days we had no day at all. And the mother herself, patiently enduring, forgetful of self, repaid for her care and her self-abnegation only as the giver is more blessed than the recipient, would have been the last in all the world to complain. Had it remained for her to speak there would never have been a Mothers' day. Had it been left to any act of her own volition we would not now wear flowers in her honor. The only way that she could bring it about was by bringing home to us our loss when she was gone. It was only by her death that she could give us this one more token of her love, a day to remember her by and to be softened and mellowed by that remembrance.

Mrs. Jarvis, mother of Mothers' day and of Anna Jarvis, died the second Sunday in May. This day, of all the days in the year, the daughter kept especially in the mother's memory. This was her "Mothers' day," and she conceived the idea of a similar day for everybody whose mother had crossed to the other shore. Why shouldn't every living



WOODWARD FLOWER SHOP, NORMAN SULLIVAN, PROP., DETROIT, MICH.
Interior View of Greenhouse Connected with Store.

person devote a special day to the memory of his mother who was here no more? And from that the idea spread to honor all mothers both living and dead. Miss Jarvis chose the date of her own mother's death for the world-wide holiday and the rest of the world, which had quickly taken up the suggestion, acquiesced. That much was due the originator of the idea and the sweet-faced woman whose memory brought it about.

How best to observe the day she had conceived? The answer was so obvious that Miss Jarvis could hardly have hesitated a moment. By wearing a flower, of course. And the flower must be white—white for purity. The white carnation was the flower chosen. "Its whiteness stands for purity," she wrote; "its form, beauty; its fragrance, love; its wide field of growth, charity; its lasting qualities, faithfulness—all a true mother's attributes." But Miss Jarvis is not a florist. She did not know that in all the land there were not enough white carnations to go around, that happily there are more mothers than carnations. So any white flower came to be appropriate. Even this, however, was not sufficient. There were not enough white flowers. Then the idea came: "Bright flowers for mothers living. White flowers for mother's memory." So now, for those whose mothers have gone to their reward, there will be white flowers, with the white carnation predominating. But for those whose mothers are still here, any bright flower will suffice. The bright colored flower will doubtless be in sufficient quantities to fill all demands, but the white ones will probably be somewhat scarce as heretofore.

How best to meet the holiday impulses of the public, to create a demand and to provide against the contingency of oversupply as well as shortage, is always a problem with the florist. Advertising of the right kind will create the demand. Display advertisements, individually and in co-operation, in the daily papers, calling

attention to the day's significance, will bring home to the public its simple duty in observing the day. But let the florist whose greed overreaches itself take warning. In the flower business commercialism and sentiment are interwoven so inextricably that neither can live at the cost of the other. What hurts one will kill them both. It is necessary for the florist to capitalize sentiment, the sentiment on which the trade is built. If it were not for the message flowers convey there would be no flower shops, and if it were not for the business acumen of the men in the trade there would be no message of beauty and love brought to thousands who are made happy through the medium of flowers.

So this is the warning florists should heed: Mothers' day is yet a young institution. Indeed it is of such recent birth it can hardly be called an institution yet. The next two or three years will probably decide whether it is to live or to die out as suddenly as it sprang into being. And its future rests with the florists themselves. If they let the business override the sentiment of the day they will kill the day itself—the goose that lays the golden eggs. If they attempt to raise the price of flowers beyond reason the public will repay them, rightly, by wearing no flowers. And in a few years the day will be remembered as a fad that did not last. But if they make the flowers as cheap as possible they will be repaid time and time again for years to come. To make Mothers' day popular it is necessary to induce as many people as possible to wear flowers. To do this it is necessary to make the flowers cheap. Whether Miss Jarvis' beautiful idea is to die abornin' or is to live in proclamations and people's hearts depends solely upon the florists themselves.

GRAND RAPIDS, MICH.—The Freyling & Mendels Floral Co. has incorporated with a capital stock of \$15,000.

PLANT NOTES.

Winter Flowering Geraniums.

With all growers having a greenhouse and doing a retail business there is in the fall a good demand for pot geraniums for house culture. Plants lifted from the open ground and potted in the fall are not very satisfactory, for the plants recover from the later transplanting slowly and go out of bloom, and often do not flower

weather grows warm enough. The place selected for growing them the coming season should, however, be prepared, the ground spaded deeply and if not manured last fall some well-rotted manure spaded in. Many growers do not advise heavy manuring when the clumps are planted and especially no fresh manure, much preferring to get a fair supply in the ground the previous fall so that the rankness will be dissipated in the soil, for too strong manure causes a rank growth and the plants do not bloom as early. With

Stevia.

If the stevia cuttings have not been rooted this should be attended to at once. As these plants grow very rapidly they are generally the last to be propagated but the rooting of any stock in June is always attempted with more or less chance of failure unless under the most favorable conditions. As soon as rooted they should be potted in 3-inch pots and placed in a cold frame, the pots plunged in the soil and shifted into large sizes as required. Keep the plants pinched back until the middle or last of July when they should be potted in their blooming pots and placed in quarters safe from high winds and early frosts. The dwarf stevias may be grown in the field, being kept pinched back during the summer and potted the last of August or first of September.



WINDOW BOXES OF GERANIUMS AND MARGUERITES.

again until spring. It is better to grow plants for this purpose in pots through the summer and these with good culture will bloom all winter long if in a sunny position. Cuttings taken at this time will make nice stock for this purpose, or small plants left over after the spring sales can be used. The plants should be potted firmly so that they will make a short, stocky growth, and kept well pinched back throughout the summer, that as many branches may be procured as is possible. All buds should be picked off as soon as formed, allowing no blooms until the plants are firmly established in blooming pots, in which they should be planted the last of August. A 6-inch pot makes the best size for house culture and the plant can be easily grown so that it will fill this size nicely. A frame outside is the most convenient and best place for growing them through the summer months.

Dahlias.

Although the dahlia is of very robust growth and comparatively easy of culture, yet it is one of the most tender plants and will not stand any cold treatment, for the slightest frost will check the growth and almost invariably kill the plant back. It is then too early yet to plant the clumps except where all danger of late frosts has passed, but the eyes may start into growth during the warm days of May, so they should be kept in safe and warm quarters. Where the grower has a good, tight frame that is frost proof the clumps can be taken from storage and placed in the frame and the tubers will grow plump and the eyes break ready for planting as soon as the

enough manure incorporated in the soil to produce a good hard growth, and not too soft, and then mulch with manure when the buds begin to set, is the manner of some of the most successful growers. The young stock that was propagated from clumps started in March should now be good, stocky little plants, and the last of the propagating should be done early in May to have good stock for June planting. Keep the young plants under safe cover and plunge the pots in soil to keep them moist and not require too frequent or too heavy watering.

CHRYSANTHEMUMS

Early Propagated Stock.

The early propagated stock being grown for exhibition cut blooms must be given close attention from this time on. Do not allow the plants to become hard and rootbound, but pot them along as they require it. If they are to be grown in pots throughout the entire season they should now be well rooted in 4-inch and ready to go into 6-inch pots, which will give them time to get into shape for transferring into 7 or 8-inch the latter part of May or early in June. Seven or 8-inch pots are large enough to produce the best exhibition blooms grown to single stem. Varieties with light growth and dwarf habit will give better results under close attention in 7-inch than in larger receptacles. Take as examples the varieties Lenox and Pockett's crimson. Lenox is light of growth and Pockett's crimson is dwarf of habit and we have been able to get very much better blooms from both of these when flowered in 7-inch pots than we could do in 8-inch.

To encourage the plants to make a strong, healthy growth is the main object just now. For them to do this it will be necessary to give them a live, moderately rich soil, but beware of



LOW WINDOW BOXES WHICH DO NOT OBSCURE SIGNS.



WINDOW BOXES OF VINCAS AND GERANIUMS.

large proportions of boned meal or any prepared manures which are inclined to produce a rapid growth. Sturdiness should be the watchword in the treatment of the plants. It is best to pot firmly because it keeps the plants short and stocky and prevents their stretching out and becoming long jointed. Good drainage is a very essential item and every provision should be made to allow the water to pass through the soil freely. Chrysanthemums delight in plenty of water but there are no other plants that will suffer as quickly or the soil turn sour in such a short time as it does with chrysanthemums when the drainage is not good enough to allow the water to pass quickly through it.

By growing the plants in pots the whole season the grower is enabled to set his plants outdoors for a short season if he so desires. But owing to the many insects that attack the chrysanthemum, such as trips, red spider, tarnish bug, etc., it is a question whether it is a wise move to put the plants outside at all. However, if the spraying with insecticide is kept up continually these pests can be held in check and I am certain from experience that better results can be got from the plants if they are given a short season outside. Anyway, let them get rooted in the soil before putting them out. Give them a place where they will get the full benefit of the sun and at the same time be sheltered from the direct sweep of the winds.

The early propagated stock intended for bench culture inside for fancy cut blooms should be encouraged and kept in active growth. Do not allow

them to become pot-bound or drawn from want of room. If it is necessary to give them more space to keep them dwarf see that they get it. Good results cannot be expected unless every little detail is closely looked after from this time on. May 20 might be set as the date that everything should be ready for this class of stock to go into their permanent quarters. Every day after this is putting so much more handicap on the plants.

The plants grown for large specimens also need our attention from time to time right along now. Attend to their wants as regards potting when they need it, treating them to a live, rich soil. Also pay particularly close attention to the work of topping back the shoots so as to encourage the plant to make as many breaks as possible. Provide supports for the branches, as they need it. These large plants are sensitive as regards the water given them at this stage of their growth. They should not be allowed to become dry but too much water is a great deal worse for them. Their best growth is made when the soil is kept in a moderate condition.

When thinking and writing of the fancy stock we must not forget that intended for commercial cut blooms the very early flowering varieties should be almost as well along as the exhibition or fancy stock to be able to get the best results from them. The date advocated for planting the fancy stock in the benches is also the time that everything should be ready for the early varieties. To be sure of getting early blooms the plants must be given long enough season to make their growth and thoroughly ripen the

wood. The midseason varieties that may be still in the sand should not be allowed to remain there for their roots to get hard and wiry but should be taken out and potted as quickly as they become rooted. Late varieties still to be propagated should also receive attention. Get the cuttings into the sand so that the roots will get started before the hot days begin.

C. W. JOHNSON.

Large Annual Asters.

It may appear strange to admit it, but the fact remains that in these times I sow no annual flower seeds beyond sweet peas and asters. A garden of annuals is a delight, but those who, like myself, want to make gardening easy, shirk the trouble, be it ever so little, that many annuals incur. By growing bulbs, herbaceous plants, and roses, I obtain practically all the flowers I desire, and so I worry not about seeds other than those named.

The aster gives the maximum of pleasure with no great amount of trouble, and by cultivating the giant, mid-season, and late types, one can almost dispense with the early chrysanthemums. Early asters do not appeal to me, neither do the dwarf types. These I quietly ignore, as they are only suitable for edges or bedding, and my garden prohibits their use. Ultra early forms are scarcely required when so many other flowers are available, and so I survey the efforts of those who aim to get asters in June without the least enthusiasm.

The asters I have favored for some years past are the American forms. Experience has proved that there are

no finer seeds than American-grown, and, taken collectively, the American asters are superior to the average European, particularly if one can secure the specially selected stocks such as are grown by the American market men. Asters are very largely grown in this country for the markets, but the quantity and quality of the flowers are very much below the stocks produced in the United States, where climatic conditions are much more favorable to the highest development of this flower.

It may surprise some to learn that certain American varieties of asters reach nearly four feet in height, and the special market blooms have stems up to three feet in length, while prices as high as four shillings per dozen have been made. This is a very different return from what is usually secured here, where rates rarely exceed six shillings per dozen bunches, or about one gross of blooms. Although I have never been able to equal the American sizes, I have often cut flowers five to six and a half inches across on stems twenty to twenty-four inches long, and the object I have always in mind when growing flowers is their value for cutting. So far as asters are concerned it is quite a simple matter to get big blooms and long stems if one handles the right types. Moreover, one needs no greenhouse; not even a frame.

I raise my asters, as do most of the Americans, by sowing in the open ground about the first of May. Drills half an inch deep are made between the sweet pea rows, and newspaper is laid over the rows until the seedlings are through. If at all crowded, some of them are pulled out, and later, when carrying a few leaves, and about one and a half inches tall, they are transplanted to where they are to flower. I always grow one row of asters between each row of sweet peas; the rest of the plants are put where there is room. If there is a spot in the kitchen garden available asters are planted, and these come in useful for lifting when in flower.

Sowing in heat and pricking out is waste of time, and, as often as not, it means drawn, weakly plants, which receive a check when planted out. Asters, if once checked, never make good plants, and by transplanting straight from the seed bed one avoids the second shift. Further, open ground sowing means no trouble from "damping off." When planting out, never set deeply, and remove any foliage that touches the soil. Deep planting, and allowing foliage to decay, invariably results in wholesale dying off, often just when the plants are running to bud.

The best soil for asters is a heavy loam, and plenty of rotten manure should be used, but on no account use fresh manure in the spring. Failing the right sort of manure, use dried blood, or fish manure, with a fair addition of superphosphate. Potash is most essential, and the sulphate form is perhaps the best; use no nitrates whatever, or the plants will run to leaf, and easily become a prey to disease. Lime liberally before planting, and dust lime between the plants several times during the season. Keep the hoe everlastingly on the move, and give plenty of water in dry weather.

Mulching is useful, but I never mulch. Some of the big American

growers water their fields by the Skinner overhead system, and along the Pacific coast water is essential, for there is little or no rain throughout the summer. The tall varieties of asters require staking, as the heavy flowers are apt to be dashed or torn about by wind and rain in the autumn.

The following varieties are my favorites, but there are several newer American types I have not yet tried, including the upright branching, which are erect in growth, instead of spreading, as the average branching types. Peerless Pink, a fine giant blush-pink, averages thirty inches tall, with blooms five inches across and quite two and a half inches deep. Marvel Late Branching can be had in azure blue, white, purple, and rose-pink. These are September-October flowering, all very large, and in form similar to Vick's Branching. Another branching, i. e., Crimson King, Shell Pink and Deep Rose, form a very fine strain of late bloomers, but there are several other colors. The Giant White and Giant Pink are magnificent forms of the Comet type, and easily lead this section, with the exception of the German Hohenzollern, which is not to be surpassed by any other white Comet variety, but American-grown seed is better than European; at least, that is my experience.

Electric, another German variety, might be called a quilled Comet; the petals are narrow, and very stiff. It is pure white, and comes six inches across, but is rather flat. Mikado Pink, or Rochester, is a gem, with delicate lavender-pink flowers. It is one of the finest asters of the Comet type ever raised, and a great favorite in America. It was raised by Vick, and it is the official flower of the city of Rochester, New York. Violet King, a deep purple of the branching type, has rather narrow petals, but is a very full flower; a real masterpiece, and a great rival of the chrysanthemum, which shows nothing in this color.

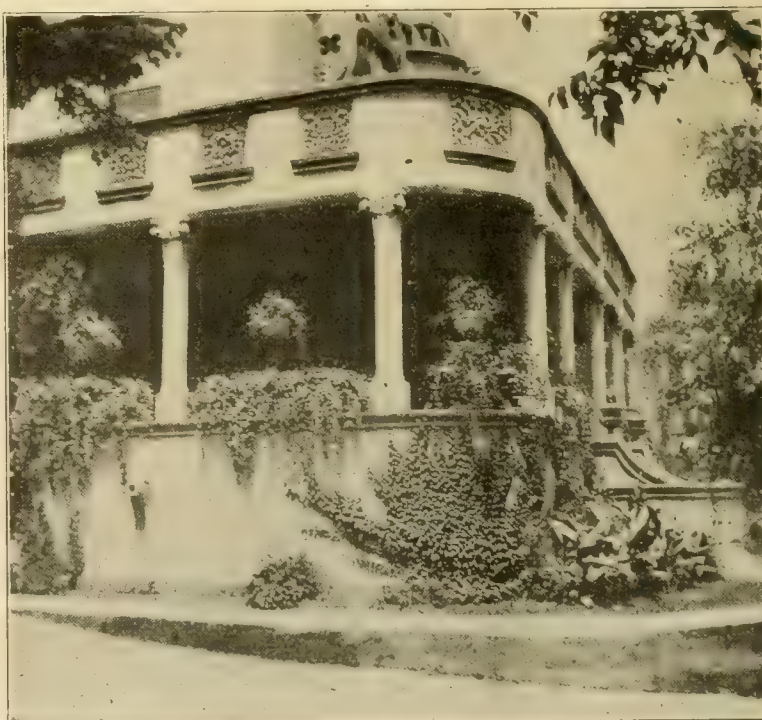
Anyone growing such asters as these can reckon on flowers from four to seven inches across, without the removal of flower buds other than those that may appear on the individual flower stems. The branching types average eight to twelve flowers each. No pinching is necessary with these asters, and, so far as my experience goes, the flowers do not gain much in size if the plants are kept to three or four stems.—T. A. Weston, in the Gardener's Magazine.

THE ROSE.

Care of Young Stock.

The care of young stock should now be one of the most important duties of the grower. From now up till planting time they will require special attention so that they do not become pot-bound, too crowded or suffer from either want or excess of water. Stock that gets crowded soon shows the effects by losing a percentage of leaves and every leaf lost is a detriment to the vigor of the plant. Overcrowding also allows red spiders to get in their work, as it is so difficult to dislodge them with the syringe. By giving plenty of room so the air can circulate freely among the leaves, they also dry more quickly after watering and consequently become hardier and healthier than if allowed to stand a long time wet.

One of the worst enemies we have to contend with in young stock is mildew. Keeping the stock hardy by judicious ventilation is the best preventive. Dusting the foliage with flower of sulphur once or twice a week on bright days also helps to keep it in check. Young American Beauty plants should have ample room as any crowding at this season is certain to result in black spot. If this appears pick off all affected leaves, give plenty of ventilation and keep an even tem-



PLANT BOXES ON THE PORCH OF A CHICAGO HOME

perature of 56 to 58 degrees at night and they will soon grow out of it.

In order to have soil in good condition for planting it ought to be collected in good time. If the collecting has not been done in the fall it should now be done as soon as possible. The top spit of old pasture land should be secured if possible. This should be mixed with cow manure, one load to four of soil, and should be thoroughly incorporated by being turned over several times, choosing bright sunny weather for the operation, as it is ruinous to handle soil in a wet condition.

To keep crops from deteriorating by reason of hot weather it is advisable to give the benches a rather heavy mulch before the hot weather commences, thus preserving the surface roots from burning and keeping the soil cool. It is of special benefit to give a sprinkling of bone meal before applying the mulch. After mulching the benches should get a thorough soaking and special care should be taken that the soil does not become dry under the mulch. The mulch absorbs and retains the moisture and to all appearance the bench is wet when a careful examination may show the soil to be quite dry. As the mulch soon becomes exhausted keep on giving liquid food, as this will help materially to keep up the quality.

In most houses about this season, owing to defects in the glass, some of the foliage will be apt to get burned. This is very annoying and usually a good deal of damage is done, especially in American Beauty houses before it is detected. To prevent this the house should be gone over carefully when the sun is shining and with a brush tied to a long stake touch the burning spots lightly with linseed oil. It may take a few days to find all the spots but it will pay in the end.

C.

Helen Keller's Tribute.

New York, April 13.—A bouquet of the prize-winning American Beauty roses, presented to her at the International Flower Show in this city, brought happiness to Helen Keller. Inhaling their fragrance her face was alive with expression as though her eyes saw the deep wonder of the flowers' coloring and her ears heard the many compliments of the little crowd that surrounded her. Still holding the long-stemmed blossoms in her arms, Miss Keller said plainly to a reporter:

"I need not tell you that I love them. I cannot see them, but I can enjoy their fragrance and delicate texture, woven of air and rain and sunshine. I wish that in the garden of life the same knowledge and science and success were devoted to producing equally happy and beautiful human beings. I believe the time will come when we will give as much time and thought to bringing forth fine children as we now do to producing fine flowers."

The roses were presented to Miss Keller by Irving Bertermann of Indianapolis, and the moment her arms closed over them a battery of cameras caught her picture.

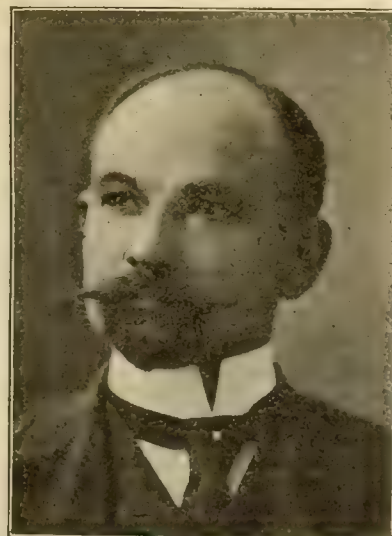
DENVER, COLO.—At a recent meeting of the park board it was definitely decided to begin work on a new greenhouse at City Park, to cost \$25,000.



Henry Penn, President.



Benjamin H. Green, Secretary.



Julius Zinn, Treasurer.

Officers of Boston Retail Florists' Club.

FLORISTS' FERNS.

Ferns From Spores.

Paper read before the Montreal Gardeners and Florists' Club by A. W. Walker, of McDonald College, March 3, 1913.

In many books on horticulture the growing of ferns from spores is treated as though they were as easily raised as a pansy. It is therefore very evident that some of the information to be found in such books is not the result of actual experience and may prove misleading to a beginner. Raising ferns from spores is much like mushroom growing in that there is always a certain degree of uncertainty about results. Why should this be? might be asked. In the first instance, say, the spore is procured from a seedsman. Now a spore is so minute that one can not tell whether it is spore or not or whether it is fresh or some years old. Then there is the fear lest damping off fungus start in before you can pick them off with safety. Instead of "uncertainty" make the word "fascinating."

In order to be reasonably sure of success there are certain hard and fast rules that must be observed which I will endeavor to outline as I proceed. A suitable soil for this work should be capable of absorbing and holding moisture. Peat is excellent for this purpose. Where peat is not to be had fresh loam and leaf mould, using equal parts of each, will answer well. Whatever soil is used it has to be sterilized in order to destroy all bacteria, worms or weed seeds. It is absolutely necessary as the spores are so minute and take such a long time in some cases to germinate, and especially so as the soil has to be kept constantly moist, that if this was not done there would be great danger of a scum forming over the soil, which would smother out the spore, or if the spore did germinate there would be danger later of damping off fungus.

There are many ways by which you can sterilize. It makes no difference what means you adopt. The simplest method I know of is to prepare the soil, fill the pans or boxes, then take water at the boiling point and soak thoroughly, using a fine spray on the watering can. The grower should save his own spores of any variety, from which he can later produce properly matured spores. In order to be able to do this plants two or more years old should be grown from year to year. Fronds bearing spores are gathered from time to time as they are produced, placed in paper bags and hung up in some dry place where a fairly even temperature is maintained well above the freezing point until they are required for sowing. Never use spores that are over two years old if you can avoid it. I made a test one year with one variety, sowing freshly gathered spores in one pan, one-year-old in another and two-year-old in another. The two-year-old took fully twice as long to show signs of growth, which proved that vitality is lost with age. That being so, if you are forced to buy spores get them from the most reliable source possible.

While spores can be sown at any time of year, for florists' use two sowings a year is all that is necessary. A sowing made in September from all the quick producing sorts will give

plants in 2½ inch pots ready for using the following September, and by making another sowing the beginning of February this batch of plants are ready by Christmas, when the September sown stock is getting over, and these will carry you through until June. In sowing, drain the pans or boxes with broken pots or cinders, cover with moss, then fill to within ¾ of an inch of the top with the soil

the seed pan or box until the little fronds are showing, then move little clumps to other boxes of well prepared soil of half loam and leaf mould. This work should be done in the fern house, where there is, or should be, lots of moisture in the atmosphere, and not in the potting shed, which is generally dry and draughty. Use a piece of glass in preference to wood or cardboard on which to separate the prothallium

European Horticulture.

FROM THE FRENCH AND BELGIAN PRESS.

New Large-flowering Gladioli.—This is one of the rare orders of plants which continue to show material improvement after reaching a high state of cultivation. The three principal races, *G. gandavensis*, *Lemoinei* and *Nanceianus* have evolved slowly but unceasingly, and each year sees new improvements. The youngest of these races, *G. Nanceianus*, is 19 years old, and *gandavensis*, the oldest, 67 years. This constant improvement is due to the great facility which the gladioli have for hybridizing, to the comparatively short duration of these hybrids, and to the occasional infusion of new blood from wild species of East Africa. The new delicately-colored hybrids of *G. primulinus* are an example of this process. Among the new very large-flowering sorts, *Iris*, with its lovely blue-mauve coloring and exceptional size, is especially to be recommended. Jean Ragot, of the *gandavensis* red coloring with the mauve lines and large size of the *nanceianus* type, is a fine flower. *Gloire de Villenoy*, another Ragot seedling is a bright salmon rose with a light medium line of white and small ivory blotch. Pfitzer's *Europa*, a splendid pure white *gandavensis* with bluish stamens, like the *White Lady*, has shown itself deficient in vigor. Up to the present time *Reine Blanche*, or its synonyms, *Reine de L'Anjon*, *Radium*, *Jeanne d'Arc*, *White Excelsior*, though only of medium size and saving some red streaks in the throat, is the only pure white variety which florists have found desirable. The great disadvantage with the large flowering *gandavensis* sorts continues to be the difficulty of propagation. Among the best new sorts of the house of Lemoine is *Salvator Rosa*, very large *nanceianus*, soft pink, marbled with bright rose, throat marked with carmine; *Phoebus*, *Lemoinei*, violet blue, marked maroon and cream; *Tolstoi*, *nanceianus*, very large open flower, bright salmon, straw colored throat surrounded with a violet ring. Among the newer *Vilmorin* sorts, *Alexandre*, *gandavensis*, is remarkable for the size of its light red flowers with ivory blotch, and is, besides, strong and multiplies freely. *Brunetiere*, *Lemoinei*, large, light salmon, scarlet blotch, bordered white and white median lines. *Flamboyant*, *nanceianus*, fire red, blotched bright red and lighted with white; one of the most brilliant yet obtained. For growing for cut flow-



BOSTON FERNS MAKE FINE WINDOW BOX PLANTS.

before mentioned in the rough state, packing moderately firm, then add a coating of, say ¾ of an inch of same soil passed through a fine sieve, level over and press moderately firm. Sterilize in the manner already mentioned and sow as soon after the soil cools as possible, for the reason that the soil being very damp the spore adheres, and any pieces of frond can then be blown off without danger of removing the spore.

Place the pan or boxes in a moist, warm house. Place squares of glass over them, tilting the glass a little to allow a slight circulation of air; shade heavily, especially if in an exposed part of the house. Care should be taken to remove glass twice daily, in the morning and late afternoons, and either wipe off the drop of water which you will find on the under side of the glass, or a simpler way is to turn them upside down. In applying water later, it has to be done by sub-irrigation. In the case of pots or pans this matter is simple, as they are easily handled, but large flats are clumsy and it takes quite a large tank to set them in, and with a number of flats this means a lot of work. I have tried a little scheme which worked out satisfactorily with an ordinary sized plant. I placed eight 2½-inch pots at intervals over the box, sinking them to half their depth in the soil, and filling these with water whenever it was necessary. Never allow the soil at any time to get dry, and especially so during the period when fertilization takes place; at that time they require to be swimming in moisture.

Some growers prick off in little clumps while the prothallium is quite small. Personally I don't see any advantage in so doing unless you are in trouble with damping off, when of course you have to prick off to save them. I usually let them remain in

into little clumps as that doesn't absorb the moisture from the soil. Now that they are pricked off, watering can be done in the ordinary manner, using a very fine spray on the watering can. Cover with squares of glass and shade heavily for some time until growth is pushing, when more airy and light conditions can be given. In time, when they are large enough, they will require to be picked out singly into other flats and later potted up into 2½-inch pots. In the case of the ones intended for early work in September these can be potted up after bedding season is over and placed in the frames vacated by the bedding stock. Shade light with fresh slacked lime, attend carefully to watering and give abundance of air during July and August.



FLOOD WRECK AT DAYTON, O.
Warren G. Matthews' 300-Foot House.

ers, on account of their hardy growth, bright coloring, and easy multiplication two Lemoine sorts are very desirable: *Eclairer*, bright red with yellow bordered garnet blotch; *Encelade*, bright orange with purple blotch.—S. Mottet in *Revue Horticole*.

Epiphytal Ferns.—While the majority of ferns have the fronds more or less finely divided, there are a good many in which they are quite simple. A good proportion of these is epiphytes, with rhizomes of a more or less creeping character. Numerous examples, all growing on dead tree fern stems, formed quite a feature of a group shown by H. B. May & Sons, of Edmonton, at the Horticultural Hall on January 21. The greatest puzzle to the uninitiated was a *Davallia*, *D. heterophylla*, which is as unlike the generally accepted idea of a *Davallia* as it is possible to be. It has a creeping rhizome, from which are produced spear-shaped, sterile fronds, each from 3 inches to 6 inches, or thereabouts, in length, and of a deep-green color. The fertile fronds are narrower, thicker and deeply notched. This distinct *Davallia*, which used to be included in the genus *Humata*, is a native of the Islands of the Malayan Archipelago, and needs a warm-house for its successful culture. Several of the polypodiums were also shown in the same way, among them being *P. lycopodioides*, *P. nitens*, *P. percussum*, *P. repens*, *P. vacciniifolium*, *P. squamulosum*, *P. piloselloides*, and the following members of the genus *Nipholobolus*, namely, *N. rupestris*, *N. angustata*, and *N. heterachitis*. All of these have simple fronds, for the most part small, and growing as they were on pieces of tree fern stem, were seen to great advantage.—*Gardening Illustrated*.

Solanum Capsicastrum "Melvinii."—This new variety of the popular "winter cherry" should prove a valuable plant both for market and home use. In America it is claimed to be one of the best winter plants yet offered, and it has won several medals and certificates. It was introduced as a seed novelty early last year by the Thos. J. Grey Co., of Boston, U. S. A., and the present writer secured seed for one or two English market growers to test. Owing to the delay in securing seed, this novelty did not have a full trial here last season. Market growers sow their *solanum* seed early in January, whereas the seed of "*Melvinii*" did not come to hand until late in February. Further, the cold season was not favorable to *solanums*, and nowhere were plants equal to the average. "*Melvinii*," however, made good growth, and is proved a wonderfully free setter, the berries coming in clusters of three or four. These are conical, with quite a sharp apex, and a trifle less in size than the best strains of *S. capsicastrum*. The color is all that can be desired, and the fruit holds well. The foliage is narrower than the old form, rather crimped at the edges, and it is thought to be more persistent than in the ordinary variety of *S. capsicastrum* now in cultivation. The growth is free, but less dense than the type, unless the habit was influenced by the late sowing and cool season.—*London Gardeners' Chronicle*.

Acacia Baileyana.—This pretty acacia, which occurs both in New South Wales and in Queensland, is at present not very generally distributed. I was, therefore, surprised to see large sprays of it hawked about at Kingston-on-Thames at a penny a bunch, the same price as the so-called *mimosa*.—*Acacia dealbata*—with which it had in all probability been sent over from the south of France. As a conservatory or greenhouse shrub in this country, *Acacia baileyana* has much to recommend it, for it will flower freely in

a much smaller state than *Acacia dealbata*. The leaves are of an intense glaucous tint, so that a specimen either in or out of flower is very ornamental. The blossoms themselves are borne in small globose heads arranged in loose racemes. Within the London district *Acacia dealbata* is frequently injured by the sulphur-laden fogs which occur during the autumn and winter months, but as far as my experience goes *A. baileyana* is less affected thereby. While some of the acacias attain the dimensions of timber-trees, others will flower quite freely as small plants, especially if they are struck from cuttings and not raised from seeds.—*Gardening Illustrated*.

Flower Shows for Children.—For the encouragement of nature study, and to supplement the efforts of teachers to encourage study of botany and horticulture among scholars, the Manchester authorities provided about 25,000 plants in May and June, at a charge of twopence each. These plants



The Late Frank Emerson.

were grown by the children throughout the summer, and when the schools reopened after the summer holidays about 9,000 plants were brought to the schools, and 2,500 of these were selected for exhibition at the chief centers. Medals, fern cases, etc., were awarded as prizes for the best plants, and all plants selected for the final display gained certificates for their juvenile owners.—*Gardeners' Magazine*.

Asparagus Lutzii.—This new asparagus was awarded a certificate of merit by the National Horticultural Society of France in November last, under the name, *Asp. plumosus*, var., *Lutzii*. Branches rigid, light, thornless, spreading well; the foliage, soft green and cloud-like, is at the flowering time almost hidden by the abundant pure white flowers. The cut branches keep a long time, with or without water. Blooms are produced the year round on the various branches. The culture is easy, as it requires little heat; a good garden soil, rather clayey, suits

Rose "Merrouw Dora van Tets."—A new Dutch rose which has received many honors. Flower medium size, not very double, agreeably scented; color a deep crimson scarlet, velvety sheen. The vegetation is vigorous and compact, and the flowering continuous.—*Revue Horticole*.

OBITUARY.

The Late Frank Emerson.

Those numerous members of the seed trade to whom he was known will learn with regret of the death of Frank Emerson, who died at Mercedes, Tex., April 23. Frank Emerson was born in Boston, Mass., June 11, 1853, and was educated in that city until about 16 or 17 years of age, when he entered the employ of the seed department of the Ames Plow Co., under his father, J. Homer Emerson. The entire family moved to Chicago in 1869, where with his father Mr. Emerson continued in the seed business, with the firm of Emerson & Stafford, who were burned out in the Chicago fire and suffered practically a total loss or nearly so on account of the insolvency of a large number of insurance companies. The entire family returned to Boston immediately following the fire and Mr. Emerson entered the employ of Jos. Breck & Sons, with whom he was associated in all of the branches of the seed business and had worked up to be manager of the seed department when he entered the partnership of the Jerome B. Rice Seed Co., Cambridge, N. Y., about the year 1880, and was identified with this firm 6½ years.

Mr. Emerson and family removed to Omaha, Neb., during the spring of 1887, where he entered into a retail and jobbing seed business in connection with the wholesale growing of seeds. In 1891 he sold the retail and jobbing business to the Nebraska Seed Co. and entered into partnership with Phil Stimmel, with whom he was associated for three years, in the wholesale growing. In 1894 he organized the Western Seed & Irrigation Co. at Waterloo, Neb., and incorporated the word "irrigation" in the firm name with the idea of having as many seeds as possible grown under irrigation on the seed farm of this concern, nearly 500 acres, at Monroe, Neb., then under the Nebraska Central Irrigation & Land Co.'s canal, but which has been without water for the past six or eight years. He also contracted quite a large acreage of cucumber, melon, pumpkin and squash to be grown under irrigation at Fort Morgan, Rocky Ford and other Colorado points, the growing of which has been continued, under irrigation to a large extent, since he retired from the company.

On account of ill health Mr. Emerson was obliged to retire from the management of the Western Seed & Irrigation Co. in the fall of 1905 and has since lived at Mercedes, Tex., where he had 160 acres of land under irrigation in which he was growing different kinds of fruit trees and truck crops more suitable for that location. He leaves a wife, two daughters, one son and several grandchildren, also his mother and four brothers now living. Mr. Emerson devoted nearly 35 of the best years of his life to the seed business, in all branches of which he took a great interest.

Herman Blumenscheid.

Herman Blumenscheid, a carnation grower of Richfield, near Paterson, N. J., died of pneumonia in a Paterson hospital April 27. He was a native of Germany and about 40 years old. He was formerly located at Bayside, N. Y., and shipped his stock to E. C. Horan of West Twenty-eighth street, New York. About a year ago he erected several good houses at his New Jersey location. He is survived by a wife and three children. A. F. F.

NORFOLK, NEB.—F. E. Cochran & Son of Denver, Colo., are building a new greenhouse here.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.
From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 60 PAGES WITH COVER

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BOB NEWCOMB says it is not a sign of rascality when florists water their stocks.

RENEW subscriptions promptly so that no copies of the paper may be missed.

WE are in receipt of Bulletin No. 7 of the American Gladiolus Society containing a number of interesting items and a list of the members.

MOTHERS' DAY this year will be celebrated Sunday, May 11. While THE AMERICAN FLORIST was the first to give trade publicity to the new flower day, this paper had no hand whatever in the shady birth, brief life or early demise of father's day.

Personal.

Dr. Wm. Trellease, former director of the Missouri Botanical Garden, St. Louis, Mo., has been appointed chief of the botanical department at the Illinois State University, Champaign, Ill.

Ladies' Society American Florists.

The Ladies' Society of American Florists added 16 new members at the National Flower Show in New York, from states as follows: New York, 7; Massachusetts, 3; Kansas, 2; Washington, D. C., 1; Connecticut, 1; Pennsylvania, 1; Maine, 1. Thanks are due Mrs. Traendly, the president, and assistants, Mesdames Manda, Sheridan, Schenck and others.

MRS. CHAS. H. MAYNARD, Sec'y.

Philippines at Panama-Pacific Exposition.

The Director of Agriculture of the Philippine Islands expects to sail from Hongkong on the S. S. Korea, reaching San Francisco about May 20, and to spend about ten weeks in the United States. As Director General of the Philippine exhibits at the San Francisco exposition he will confer with the officials at San Francisco, after which he expects to go east, making numerous stops, reaching Washington early in July and sailing from New York in August on his return to Manila. Mail or telegrams may be addressed: F. W. Taylor, Bureau of Insular Affairs, War Department, Washington, D. C.

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements should be carefully preserved as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue, as otherwise they may miss some of this high-grade work.

American Gladiolus Society.

Preliminary subscriptions to the prize schedule of the American Gladiolus Society's Exhibition at Minneapolis, August 19-22, 1913, are as follows:

C. Betscher, Canal Dover, O.—\$10 for best display of 50 spikes Gladiolus primilimes hybrids; stems 18 inches from first bloom; blooms over 4; open form; \$5 for best new seedling; 3 spikes; variety must be ready for market within 3 years. Plant must be 4½ ft. high. Blooms 5 in. wide; open form, clear color.

B. Hammond Tracy, Wenham, Mass.—\$5 in gold for best vase of 25 spikes Dawn; \$5 in gold for best vase of 25 spikes Maize; \$5 in gold for best vase of 25 spikes Mrs. Jas. Lancashire.

Arthur Cowee, Berlin, N. Y.—\$25 for best vase of 25 spikes of War by an amateur; \$10 for best vase of 25 spikes Peace, by an amateur.

H. W. Koerner, Milwaukee, Wis.—\$10 for best vase of 25 spikes Early Bird, open class; \$5 for best vase of 12 spikes Early Bird, amateur class.

Vaughan's Seed Store, Chicago.—Silver medal, best vase Chicago White; best vase Mrs. Francis King; best vase Princeps. \$10 best vase Vaughan's Rainbow mixture.

E. E. Stewart, Brooklyn, Mich.—\$5 for best vase of 25 spikes Golden Queen; \$5 for best vase of 25 spikes Michigan; \$5 for best vase of 25 spikes Lucille; \$5 for best vase of 25 spikes Purity.

Henry F. Michell Co., Philadelphia, Pa.—Michell's silver medal for a vase

containing six spikes of the best white gladiolus; Michell's bronze medal for a vase containing six spikes of the best yellow gladiolus.

Peter Henderson & Co., New York, —\$10 for best 12 varieties not now on the market, 3 spikes each.

W. Atlee, Burpee & Co., Philadelphia, Pa.—\$10 for best collection 10 varieties, six spikes each.

M. Crawford, Cuyahoga Falls, O.—\$5 for best 12 spikes any white variety.

Chamberlain & Gage, South Natick, Mass.—\$5, second prize, for best yellow, six spikes; \$5, second prize, for best white, six spikes.

L. MERTON GAGE, Sec'y.

Plant Quarantine Decision No. 2.

The Federal Horticultural Board recommends that regulation 5 of the rules and regulations for carrying out the plant quarantine act, published in circular No. 41, Revised, office of the secretary, be amended by the addition of the following:

Permits for the entry of nursery stock or other plants and plant products of any grower or exporter may be refused, and existing permits may be canceled, on proof that such grower or exporter has knowingly shipped into the United States any nursery stock, or other plants and plant products, the importation of which is forbidden by the Secretary of Agriculture under the authority conferred by section 7 of this act.

Regulation 5, as amended, shall become and be effective on and after April 15, 1913.

Washington, D. C., April 4.

Meetings Next Week.

Buffalo, N. Y., May 6, 8 p. m.—Buffalo Florists' Club, 385-387 Ellicott street.

Davenport, Ia., May 6.—Tri-City Florists' Club, Henry Miller, 115 Fifteenth street, Rock Island, Ill.

Dayton, O., May 1, 8 p. m.—Dayton Florists' Club, 37 E. Fifth street.

Denver, Colo., May 5.—Colorado Florists' Club, T. M. A. hall, 1422 Curtis street.

Detroit, Mich., May 5, 8 p. m.—Detroit Florists' Club, 247 Randolph street.

Fall River, Mass., May 6, 8 p. m.—Fall River Florists and Gardeners' Association, John R. Pee, secretary, 64 Berdley street.

Grand Rapids, Mich., May 5.—Grand Rapids Florists and Gardeners' Club, office of member, Edward Freyling, secretary, 891 Wealthy avenue.

Indianapolis, Ind., May 6, 7:30 p. m.—State Florists' Association of Indiana, State House.

Lake Geneva, Wis., May 3, 8 p. m.—Lake Geneva Gardeners and Foremen's Association, Horticultural hall.

Lenox, Mass., May 3.—Lenox Horticultural Society, Geo. H. Instone, secretary, Lenox, Mass.

Los Angeles, Calif., May 6.—Los Angeles County Horticultural Society, Louis F. Horner, secretary.

Louisville, Ky., May 7, 8 p. m.—The Kentucky Society of Florists, office of member, August Baumer, secretary, Masonic building.

Milwaukee, Wis., May 8, 8 p. m.—Milwaukee Florists' Club, Quiet House, 86 Mason street.

Minneapolis, Minn., May 6.—Minneapolis Florists' Club, 218 N. Fifth street.

Montreal, Que., May 5, 7:45 p. m.—Montreal Gardeners and Florists' Club, Royal Guards building, 224 Sherbrook street west.

New Orleans, La., May 7, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., May 7.—Newport Horticultural Society, P. F. Reynolds, secretary, Rugles avenue.

Philadelphia, Pa., May 6, 8 p. m.—Florists' Club of Philadelphia, Horticultural hall, Broad street, above Spruce.

Pittsburg, Pa., May 6, 8 p. m.—Florists and Gardeners' Club of Pittsburg, Fort Pitt hotel, Tenth street and Penn avenue.

Salt Lake City, Utah, May 6.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.

San Francisco, Calif., May 3.—Pacific Coast Horticultural Society, T. F. Taylor, secretary, 2735 Golden Gate avenue.

Seattle, Wash., May 6.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

Tacoma, Wash., May 1.—Tacoma Florists' Association, Macabee hall.

Utica, N. Y., May 1, 8 p. m.—Utica Florists' Club, Genesee hall, Oneida Square.

Washington, D. C., May 6, 8 p. m.—Florists' Club of Washington, 1214 F street N. W.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Position as traveling salesman for seeds, bulbs, plants or florists' supplies. Address Key 786, care American Florist.

Situation Wanted—As a working foreman, single, strictly sober and a good grower of cut flowers and potted plants; good designer and hustler. Key 811, care American Florist.

Situation Wanted—As Florist and gardener; well up in Carnation and Chrysanthemum growing. Single man; good reference. Key 806, care American Florist Co.

Situation Wanted—On commercial or private place by young man, aged 22 seven years experience in general greenhouse work. Private preferred. Address Key 828, care American Florist.

Situation Wanted—As a working foreman; married; strictly sober and a good grower of cut flowers and potted plants; good designer and a hustler. Key 827, care American Florist.

Situation Wanted—As saleslady and designer in a Chicago retail store. State salary and hours when writing. Address Key 834, care American Florist.

Situation Wanted—By Englishman, 14 years experience in all branches, seven in America. Well versed in orchids, roses, fruit culture under glass, and all kinds of cut flowers, lawns, etc. Age 29. Address Key 833, care American Florist.

Situation Wanted—Manager and foreman now in charge of about 80,000 feet of glass, wants a change; a good grower or manager of a store; first-class salesman and designer; can take charge soon. Address Key 817, care American Florist.

Situation Wanted—As florist and gardener in private place; Hollander; 10 years in this country; married; no children; life experience; can furnish the best of references. Address Key 801, care American Florist.

Situation Wanted—Head gardener, Englishman, age 40, married, without family. Life experience in all branches, including Orchids, Roses, Carnations, Mums, Early Forcing, fruit and vegetables, etc. Good references. E. RICHMOND, Elma Center, N. Y.

Situation Wanted—Florist and Gardener of 20 years experience on a private place or public institution; first-class grower of Orchids, Cut Flowers, and Vegetables, under glass or outside. Best references. Address Key 818, care American Florist.

Situation Wanted—A strictly first-class designer decorator and storeman will be open for an engagement on or before May 1. First class references. Good wages expected. Eastern city preferred. Write at once, if you need such a man. A. F. F. care American Florist. 124 East 24th Street, New York.

Situation Wanted—By gardener: Scotch; as head in private place; experienced in all branches of gardening, inside and out. Over 20 years in large establishments growing all kinds of greenhouse plants and vegetables. Also care of lawns and landscape work. Age 37; married; no family. ARCH LITTLEJOHN, 39 Temple St., Somerville, Mass.

Situation Wanted—Landscape Architect (German 29 years of age, first-class technical and practical knowledge of landscape gardening. Expert in layouts of artistic plans and estimates for municipal and private parks. Recently employed as manager for some of the largest landscape contractors of Germany. Excellent references. Address Key 809, care American Florist.

Situation Wanted—On commercial or private place by an all around man with 20 years of practical experience in this country and Europe; single, 35 years of age. Can furnish the best of recommendations from leading firms. Pot plants, roses, carnations and landscape gardening a specialty. State salary when writing. GEORGE BAKAITIS, 5433 North Secley av., Chicago

Situation Wanted—As head gardener and florist superintendent on private place; English, age 35, married, one child aged 8 years. At present engaged, but desire change; life experience in all branches—hot house plants, cut flowers and fruit under glass, vegetables, lawn perennials, and the general routine of a well kept estate; 4 years and a half in present place; first-class references. Address Key 813, care American Florist.

Situation Wanted—As head gardener or superintendent. Good grower of cut flowers, potted plants, indoors and out doors; vegetables and fruits. Good experience in lawn and park work; understand management of private place park, cemetery, or institution. Am 30 years of age, married, no children. Have been in the gardening and florist business for 15 years. Can furnish best references to party requiring such a man. Address, Key 799, care American Florist.

Help Wanted—At once, an experienced man to help in greenhouse. M. FROLICH, 5527 Cornelia Street, Austin Station, Chicago.

Help Wanted—Honest young lady with some experience to take care of floral establishment in Chicago. Very good chance for advancement, with good salary. Key 805, care American Florist.

Help Wanted—Young man for general greenhouse work at once. \$12.00 a week to start. NORTH EDGEWATER FLORAL CO., 6101 Evanston Ave., Chicago, Ill.

Help Wanted—Quick; an experienced grower, propagator and grafter of Roses; also a grower and propagator of carnations; give references and state wages. THE MIAMI FLORAL CO., Dayton, O.

Help Wanted—Two bright young men—Carnation Growers—who have had charge of growing sections. State wages, etc. Address, Key 832, care American Florist.

Help Wanted—A good all around Greenhouse Man, to work in the Rose Houses mostly. State wages expected in first letter. A good steady job for the right man. EDWARD TATRO, 407 E. Iron Ave., Salina, Kansas.

Help Wanted—At once, working foreman for modern establishment, 30,000 feet of glass in a Missouri city. A competent grower of roses, carnations, mums, bulbs and pot plants, capable of handling help. Man of character, sober and progressive. Good wages to right man; no other need apply. Give reference and wages expected in first letter. Address, Key 820, care American Florist.

For Sale—Established Flower Store; good location. PEOPLE'S FLORIST, 1736 W. 47th St., Chicago.

For Sale—10,000 feet of glass in the best town for its size in Illinois. No competition; a money maker. Address, Key 821, care American Florist.

For Sale—Well located retail store, centrally located, doing good business for over five years. This is a rare opportunity, price very reasonable; going south object of selling. Key 804, care American Florist.

For Sale or Lease—5 greenhouses at Madison, N. J., 1 mile from station. 4½ acres of land, 9-room dwelling, up-to-date, cheap, and low rent to prospective buyer. Address, R. S., 265 Rosedale Ave., Madison, N. J.

For Sale—A good paying florist business in Pennsylvania. 9 greenhouses, 27,000 feet of glass, good wholesale and retail trade, well stocked with bedding plants, roses, carnations, sweet peas, lilies, and ferns. The greenhouses are in good condition, with hot water and steam. Reason for selling am not a florist. Will sell at a bargain. Address, Key 824, care American Florist.

Wanted—To buy florist store or good location for same in live town. Bargain. Address, Key 825, care American Florist.

Wanted—To correspond with someone having experience as grower of all kinds of greenhouse and nursery stock that would take share in a good business and be able to manage the growing of the stock for a company in Minnesota. Address, Key 823, care American Florist.

FOR SALE.

Great Bargain. Greenhouse in Salida, Colo. Six thousand feet glass; good dwelling; within four blocks of business center; well stocked with plants and flowers; fine trade, local and shipping. Address J. H. FREEMAN, Salida, Colo.

FOR SALE.

A new range of greenhouses consisting of 30,000 feet of glass, well stocked with carnations and located in the vicinity of Chicago. Can be had at a very reasonable figure. For further particulars, address Key 816, care American Florist.

For Sale at a Pick Up Price

An up-to-date wholesale and retail florist plant in the vicinity of Chicago. It contains about 70,000 square feet of glass, 12 to 20 acres of first-class land, large dwelling house in good shape, everything modern. The whole place high and dry, \$10,000 cash, balance to suit. Do not write unless you mean business. Address, Key 830, care American Florist.

Help Wanted

Experienced florist wanted. First class grower of bedding plants. Reliable young man. Address FRED ADOLF, 551 Hinman Ave., Evanston, Ill.

Help Wanted

Good section man. Must be A1 grower of roses, carnations, mums, etc. Married man of middle age preferred; must be strictly sober. State wages in first letter; call or write.

ROBERT KLAGGE, Mt. Clemens, Mich.

HELP WANTED

A competent grower of general stock. Must be good on mums, lilies and general pot plants. We want a sober, industrious man who can come at once. Give references and salary expected.

L. L. MAY & CO., 295 Como Ave., St. Paul, Minn.

HELP WANTED.

A competent working grower to work in a retail and commercial greenhouse where large quantities of carnations, chrysanthemums, lilies and various kinds of plants and bulb stock are grown for the trade. Address with references to Shepard's Garden Carnation Co., 292 Fairmount St., Lowell, Mass., stating wages and experience.

GLAZIERS WANTED.

Men experienced in greenhouse glazing wanted at once. Houses 60x1000 feet. State wages per day; also wages per 100 glass (16x24). Scaffolding will be furnished. J. F. WILCOX & SONS, Council Bluffs, Ia.

Foreman Wanted. Commercial Place.

Competent man to take entire charge of our greenhouse plant, some 25,000 feet of glass, general cut flower and plant stock. Address, with full particulars,

S. W. COGGAN, 11 W. Main St., Battle Creek, Mich.

Foreman Wanted

A large commercial establishment of 60,000 square feet wishes a capable foreman to take charge of the growing of stock. Must be well up on roses, carnations, mums, lilies and pot plants such as are necessary for first class retail stores. A good opening for a man of experience and one capable of handling help intelligently. First class references expected and personal interview will be arranged. Key 822, care American Florist.

TO FLOOD AND CYCLONE SUFFERERS.

To sell, an A1 florist and market garden business, in good location, well established, no competition for four hundred miles radius. Full particulars by letter. Address, Key 826, Care American Florist.

STOREMAN

Good salesman and designer is desirous of securing a situation immediately in Chicago. For further particulars, address, Key 810, care American Florist.

Gardener Wanted at Once.

We must have an experienced, reliable gardener immediately. The right man may come on practically his own terms. Prefer to lease on shares but will go more than half way to meet desires of good man. House or board will be furnished. Tract of 38 acres; richest of bottom land; coal at door for greenhouse use; street cars now; railroad coming. In midst of manufacturing and coal mining district. Best of markets, high prices, etc. Gardening business not crowded. Paved road through farm. About two miles from Monongahela, Pa., a city of from fifteen to twenty thousand. Address MARY E. JONES, R. D. 2, Finleyville, Pa.

A WONDERFUL CLOCK

At. Lucerne, Switzerland, is the biggest wonder of nature the world has ever seen.



**See That Clock.
It Has Hands.**

**It is made of flowers and it
shows the time.**

There is a hidden mechanism which makes it strikes the ¼, ½ and the hours.

What do you think this clock is made of? It is made of plants of brilliancy, mostly of dwarf of the Begonia Vernon Type, the improved pink Erfordi, and the improved red Vernon. The creator, the head gardener of a famous world-wide known



We can sell you large 4 inch of either variety, the improved pink Erfordi or the improved red Vernon. Large 4 inch, \$10.00 per 100; 3 inch, \$7.00 per 100; 2½ inch, \$5.00 per 100. 25-50 at 100 rates. **Heliotrope**, 4 inch, 7c. **Ageratum**, 4 inch, 7c. **Dracaenas**, 5½ inch, 25c. **Honeysuckle**, 4 inch Halleana, Chinese evergreen and variegated, 10c. **Fuchsia**, assorted, 4 inch, 7c. **Lemon Verlena**, 4 inch 8c. **Vinca**, Elegaina, 2½ inch, 3c. **Vinca Variegata** or Periwinkle, 4 in 15c. **Antirrhinum Majus** or Snapdragon, 2½ inch, separate colors, Giant white, Giant pink, Giant yellow, Giant Scarlet. **Tropeolum** or Nasturtiums, dwarf Empress of India, 2½ inch, \$3.00 per 100; dwarf and others 2½ inch, \$3.00 per 100. **Alternanthera**, \$2.00 per 100. **Cannas**, large King Humbert, 4 inch, 12c.

Araucaria Excelsa, our specialty. April 1912 importation. 5½, 5½, 6 in. pots: 3, 4, 5, 6, 7 tiers; 14, 16, 18, 20, 25, 30 to 35 inches high: 40c, 50c, 60c, 75c. \$1.00, \$1.25 to \$1.50 each.

Ficus Elastica, (Rubbers), 5½, 6, 7 in. pots, all heights, 25c, 30c, 40c, 50c, 60c each.

Alexandra Daisies, 5½ in. pots, bushy, 20c to 25c each.

Primula Obconica, 4 in. strong, in bloom. 10c; 5½ in., 15c to 20c.

Dracaena Terminalis, suitable for window boxes 5½ in. pots, well colored, 25c, 30c, 40c and 50c.

Crimson Rambler Roses, 6 in. pots, suitable for outdoor planting, 3 to 4 feet high, 50c

Geraniums, 4 in. pots. **S. A. Nutt**, scarlet; **Buchner**, white; **E. G. Hill**, salmon; **Beaute Poitevine**, salmon; **Gloriosum**, pink and assorted colors; **Scarlet Sage**, Bonfire and Zurich, \$7.00 per 100.

Asparagus Plumosus and **Sprenger**, large 4 in. 10c; 3 in., 7c; 2½ in., 4c.

Hydrangea Otaksa, for planting out, 6-7 in., 25c, 35c, 50c, 60c.

Vinca, variegated, 4½ in. pots, 15c.

Small Plants.

Phlox, Drummondii grandiflora, assorted colors, 2½ in. pots, \$3.00 per 100.

Phlox, Drummondii compacta, assorted colors, 2½ in. pots, \$3.00 per 100.

Verbenas, assorted, 2½ in., \$3.00 per 100.

Petunias, California Giants, 3 in., best plants, \$5.00 per 100.

Petunias, Inimitable, dwarf or compacta, \$3.00 per 100.

Tagetes, dwarf marigold, \$3.00 per 100.

Coleus, Golden Bedder, Victoria, Verschaffeltii, and assorted, 2½ in., \$3.00 per 100.

hotel at St. Lucerne, Switzerland has been offered a fortune by some American and other millionaires of the world to make for them a clock similar to that, but he declined the offer, saying that he was hired by the hotel company for the next ten years to come. I was fortunate enough on my last visit there to obtain from him, the head gardener—creator of the clock—a supply of seeds and stock plants of these beautiful varieties of Begonias, sufficient to raise a crop of about 50,000 young plants in 2½, 3 and 4 inch pots for you to use in a similar clock, carpet beds or other outside work. A bed of this improved Begonia Erfordi or improved bright red Vernon is a joy forever. A constant bloomer, stems always short and bushy, the hot rays of the sun have no bad effect on them; grows in shady or sunny places.

**See that little house on the back, it is
also made of flowers.**

Thunbergia or black eyed Susan, 2½ in., \$3.00 per 100.

Centaurea Gymnocarpa, Dusty Miller, 2½ in., \$3.00 per 100.

Lobelia, Crystal Palace compacta, dark blue, \$3.00 per 100.

PALMS, **Kentia Forsteriana**, 4 in., 25c to 35c; 5½, 5½, 6 in. pots, 25, 30, 35, 40 to 50 in. high: 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50.

Kentia Belmoreana, large, 4½ in., 25c to 35c; 5 to 5½ in., 50c, 60c, 75c. Made-up of 3 plants, 6 in. pots, 75c to \$1.00.

Clematis Paniculata, large, 5½ to 6 in., per dozen, \$2.00.

Bleeding Hearts or digitalis Spectabilis, 6 in. 25c, 35c, 50c.

Ipomea Noctiflora. Our so well-known pure white, waxy Moonvine, bearing flowers very fragrant and as big as a saucer 2½ in. pots, \$5.00 per 100; 4 in., \$12.00 per 100.

Neph. Scotti, 4 in., 15c to 20c; 5, 5½, 6, 7 in., 25c, 35c, 40c, 50c, 60c, 75c. **Boston**, 5, 5½, 6 in., 30c, 40c, 50c. **Whitmani**, small, 4 in., 20c; 5, 5½ in., 25c to 35c. **Giatrassi**, 4 in., 25c; 5½ to 5½ in., 30c to 40c.

GODFREY ASCHMANN

1012 W. Ontario St.,
Philadelphia, Pa.

Where Are You Going From Here.

"Where do you go from here?"

How tired I am of that phrase;
From year to year it greets my ear.
Three hundred and sixty-five days.

The hotel man gets sociable,

As I pay for his high-priced cheer,
And drops my bill in the yawning till
With a "where do you go from
here?"

The friends I meet upon the street

Keep digging in my ear;
Their only song the whole day long
"Where do you go from here?"

At last I dreamed—and so it seemed

My time had come to die;
With angels bright I took my flight
To the pearly gates on high,

St. Peter stood in a thoughtful mood

At the foot of the golden stair,
But raised his eyes as we drew nigh
And asked with a doubtful air.

"Your papers please (What ails your
knees?)"

Then grinning from ear to ear,
"Oh, you're one of those traveling
men."

Now, "Where do you go from here?"

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.

Boston and Whitmani Ferns, 3-in., 10c; 4-in., 15c; 5 in., 25c.

Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in. \$25.00 per 100.

Vinca Var., 3 in., \$5.00 per 100.

Asparagus Plumosus, 2-in., \$3.00 per 100.

Beliotrope, **Scarlet Sage**, **Lemon Verbenas**, **Cigar Plant**, **Coleus**, **Alternanthera**, red and yellow; **Ageratum**, blue; **Verbena**, **Salvia**, **Zurich**; **Aster**, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

**ENCHANTRESS
SUPREME
DAILIEDOUZE BROS.**

Lenox Road and Troy Ave.,
BROOKLYN, N. Y.

John Bader Co.

B. L. ELLIOT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Ready Now. 500,000 Ready Now.
Superb Strain

PANSIES

Field grown in bud and bloom.

This strain is the result of 20 years of careful breeding, and is absolutely the best for commercial purposes.

Price, \$1.25 per 100; \$10.00 per 1000.

Cash. By express only.

LEONARD COUSINS, Jr., Concord Jct., Mass.

A. N. Pierson, Inc.

**Wholesale Florists
CROMWELL, - CONN.**

WINONA, MINN.—Frank Eckert is now associated with the firm of Mrs. Dora Voelker & Son. They will improve their present range and build another large house this summer.

MEMORIAL DAY NUMBER

TO BE ISSUED

May 17,

JUST RIGHT FOR THE

Decoration Day Business

— The Best Paid —

CIRCULATION

— To the Trade in the Trade —

That means profit to you. No bogus inquiries
that cost time and actual cash.

Offer Them Now

ALL SPECIALTIES

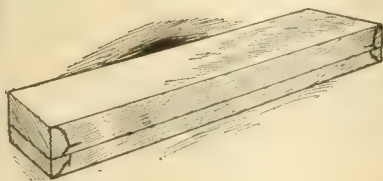
**For Cemetery Use
Window Box Stock**

**All Bedding Plants
Plants for Vases**

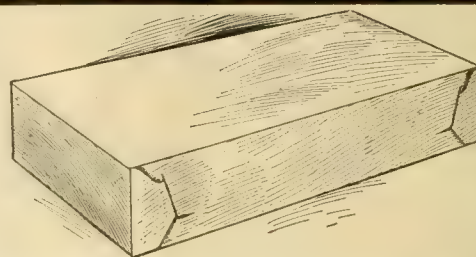
WHILE DEMAND IS STRONG

American Florist Co.,
440 S. Dearborn St., CHICAGO.

 The Early Advertisement Gets There.



FOLDING FLOWER ..BOXES..



We can supply you with any size Flower Box you need. We carry the largest variety of colors. We can and do make prompt shipments at all times. Our prices are reasonable and a special discount will be allowed on quantity orders.

Palm Green, Mist Gray, Mist Brown.			White Glaze, Green Glaze, Pink Glaze.			Extra Heavy Spray and Design—Palm Green.			Extra Heavy Spray and Design—Mist Gray, Mist Brown.			Violet and Corsage Boxes.					
Per 100			Per 100			Per 100			Per 100			White and Violet Glaze. Per 100					
16x 4	x3	 \$ 1.85	16x 4	x3	 \$ 2.65	23x12x5. Telescope.	\$ 7.50	30x12x 6. Telescope.	\$10.50	7x4x4	 \$2.50	8x5x5	 3.00	10x6x5½	 3.50		
20x 4	x3	 2.15	20x 4	x3	 3.00	30x12x6	" 10.00	20x12x 8	" 10.00	8x5x5	 2.50	10x6x5½	 3.00	12x8x5½	 4.50		
18x 5	x3	 2.15	18x 5	x3	 3.00	20x12x8	" 9.00	16x16x 8	" 10.50	10x6x5½	 3.50	12x8x5½	 4.50	14x10x8. Telescope.	 8.50		
21x 5	x3	 2.50	21x 5	x3	 3.50	12x12x8	" 9.00	20x20x 8	" 13.50	11x8x5½	 3.50						
24x 5	x3½	 3.00	24x 5	x3½	 4.50	16x16x8	" 10.00	24x24x 8	" 15.50								
30x 5	x3½	 3.30	30x 5	x3½	 4.50	20x20x8	" 13.00	28x28x 8	" 19.50								
36x 5½	x3½	 4.50	36x 5½	x3½	 5.65	24x24x8	" 15.00	32x32x 8	" 25.50								
21x 7	x3½	 3.25	18x 6	x3½	 4.00	28x28x8	" 19.00	24x14x 8	" 13.00								
24x 8	x4	 3.85	21x 7	x3½	 4.65	32x32x8	" 25.00	30x14x 8	" 15.00								
24x 8	x5	 4.15	24x 8	x4	 5.25	28x22x8	" 16.00	36x14x 8	" 16.25								
28x 8	x4	 4.35	21x 8	x4	 5.25	24x14x8	" 12.50	40x14x 8	" 17.75								
28x 8	x5	 5.00	24x 8	x5	 5.75	30x14x8	" 14.50	42x17x 8	" 20.50								
36x 8	x5. Telescope.	 7.00	28x 8	x4	 6.00	36x14x8	" 16.00										
40x 8	x5	 9.00	28x 8	x5	 6.50	40x14x8	" 17.50										
42x 8	x5	 11.00	36x 8	x5. Telescope.	 9.00	32x17x8	" 16.00										
30x10	x5	 7.00	40x 8	x5	 11.00	36x17x8	" 18.50										
36x10	x5	 9.00	42x 8	x5	 13.25	42x17x8	" 20.00										
42x10	x5	 13.00	36x10	x5	 11.00												
48x10	x5	 15.00	42x10	x5	 15.00												
			48x10	x5	 18.00												
Samples of board mailed on application.																	

A. A. Arnold, 16-18-20-22 S. PEORIA ST., **CHICAGO**
DEPT. F.

Ornamental Grasses.

There are many positions in a garden where ornamental grasses may be used with telling effect, but nowhere do they yield more charming harmonies or greater contrasts than when grouped close to water, writes Thomas Smith in the Gardeners' Magazine. Plants that make no claim to attract attention by conspicuous beauty must of necessity call for different treatment than if the effect desired was a floral one, and the commonest error that planters of ornamental grasses fall into is vain repetition, which not only weakens a composition, but produces a sense of irritation.

A typical instance of the misuse of grasses in garden ornamentation is found in the case of the pampas grass. This is one of the few grasses in which the inflorescence attains to conspicuous beauty, and is strong enough in this respect to immediately arrest the eye; consequently, when it appears at frequent intervals it causes distraction, and instead of giving emphasis to the garden scheme, its oft repeated presence becomes a source of weakness, from which the whole scheme suffers. Another grass that frequently suffers in a similar way is *Arundo donax*, the great reed of the Mediterranean regions. The form known as *A. d. macrophylla glauca* is a handsome object in any water-garden scene, where it introduces a unique effect. The topmost, undeveloped leaf is erect, like a lance-point, while the fully-expanded leaves suggest pennons, and the softest breeze is able to set all in motion. The glaucous blue-grey color of the leaves is an outstanding feature of this fine plant. *Arundo conspicua* is quite distinct from the last named, being more in the way of a small pampas grass, but it flowers in July, whereas the true pampas does not flower until the end of September.

Miscanthus (*Eulalia*) are useful grasses, frequently used among herba-

ceous perennials in borders, where they are quite appropriate in large gardens, but lack sufficient merit where the area treated is small. I have used them as a foil to *Lilium croceum* and varieties of *L. umbellatum*, the *miscanthus* widely planted, with *liliums* between them, and if top-dressed with rich manure each season, the *lilies* do not suffer from the greedy roots of their companions.

It is this aspect that should have the greatest attention directed to it when introducing grasses, for we are falling into the tendency of regarding and even modeling our flower borders on the principle of the exhibition table, producing huge banks of color, that approximate to, if they do not actually reproduce, the gaudiness of an Oriental scheme. This principle, while good in its own place, is quite foreign to the water garden, which depends on more subtle influences for its charm, where light and shade, and the form of leaf contrasts directly with that of the flower, and where every bay and promontory should present a different aspect, inviting comment and sustaining interest from start to finish. Viewed in this manner, grasses occur as foils or monotonies that indirectly give emphasis to the higher colors, while in themselves they impart grace and lightness to the scene.

Some grasses like *Carex pendula*, *C. riparia*, and *C. japonica*; *Scirpus zebinus*, *Glyceria spectabilis variegata*, *Juncus effusus striata aurea*, *J. lacustris*, and *J. spiralis*, *Typha angustifolia*, and *T. minima*, will grow either submerged in shallow water or in ground kept continually moist. *Arundo donax* and its varieties are partial to much moisture in the growing season, but enjoy drier conditions in winter. This applies also to the varieties of *miscanthus*, and *Phalaris elegantissima*, and all the bamboos. Planted in ordinary garden soil, in a sunny aspect, *Elymus glauca* is a singularly beautiful grass; its foliage is intensely

blue-grey, while it fills up quickly, and soon forms a thicket some 18 to 24 inches high. *Stipa pinnata* is also a pretty grass for similar positions.

The silver and golden forms of *Dactylis glomerata*, and *Festuca glauca* with its blue-green, thread-like foliage, are three of the dwarfest grasses, frequently employed in bedding arrangements, and valuable at all times for edging or to form a carpet for taller subjects.

ROCKY FORD, COLO.—D. D. Wiley has completed a new vegetable greenhouse.

BARRINGTON, CENTER, R. I.—John H. Brown of Warren has purchased the Walter S. Nichol greenhouses from the heirs of the late Mr. Nichol.

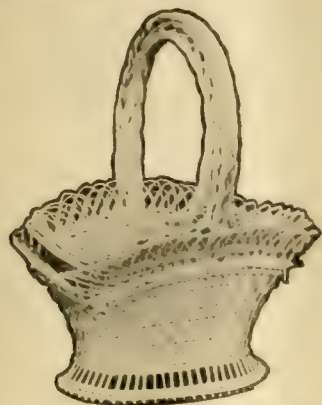
ALAMEDA, CALIF.—George Rosmarin, a pioneer florist of this city, died recently at his home. He had lived here for 42 years. He is survived by two daughters.

ONTARIO, ORE.—Chas. P. Hartley, of Emmett, Idaho, has embarked in the nursery business in this city. Chas. P. Hartley, Jr., will have charge of the establishment.

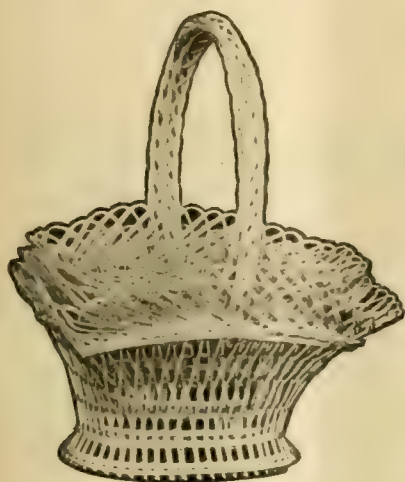
REDONDO BEACH, CALIF.—The Redondo Carnation Gardens have been purchased from the Redondo Improvement Co. for \$40,000 and the tract will be cut up into lots.

TOLEDO, O.—T. H. Miller, W. C. Holstein and W. M. Tompkins have incorporated the Art Floral Decorating Co., capital \$3,000. The new concern has opened for business at 315 St. Clair street.

SYRACUSE, N. Y.—The fourth annual show of the Syracuse Rose Society will be held the second week in June. Besides roses, there will be classes this year for pansies, asters, sweet peas, and other flowers.



No. 319.



No. 321.



No. 898.

BASKETS

FINEST OBTAINABLE

**Buy Direct from the Manufacturer
and Save the Middleman's Profit.**

We are constantly receiving large shipments of stock from our large factories in Weidhausen and Ebersdorf, Germany, and will be pleased to hear from you in regard to your future order. We have a complete line and are now offering some magnificent styles in

COMMENCEMENT BASKETS and BRIDAL BASKETS, Etc.

Our line is the best, recognized as such, and our prices are right, so it will be to your advantage to make up your order from this price list, now.

ORDER BY NUMBER. DO IT NOW.

No. 898, Size 1, 9 in. wide, 16½ in. high, with handle.....	Doz.	\$1.90
" " Size 2, 10 in. wide, 18 in. high, " "		2.40
" " Size 3, 11½ in. wide, 20 in. high, " "		3.20
" " Size 4, 14 in. wide, 23 in. high, " "		4.20
" " Size 5, 15 in. wide, 26 in. high, " "		5.20

No. 319, Nest of 3, 8 to 9 in. long.....	A Nest	.43
No. 321, Nest of three, 10 to 12 in. long.....		.55

All Orders Accompanied by Check
Will Receive Prompt Attention.

RAEDLEIN BASKET CO.,

713-717 MILWAUKEE AVE.,

CHICAGO, ILL.

WE ARE GROWERS

BEAUTIES We are cutting the choicest buds with extra long stems in immense quantities. Prices, choicest long, \$3.00 per dozen; long seconds, \$1.50 per dozen. You can build a big trade on these. **Short Beauties.** Stems 6 to 10 inches long, \$2.00 to \$4.00 per 100.

ROSES **Choice,** extra long, \$8.00 per 100. **Medium,** \$4.00 to \$6.00 per 100. **Short,** \$3.00 per 100.

CARNATIONS Except for "Mothers' Day" \$3.00 per 100.

All seasonable flowers at remarkably cheap prices.

We grow all the flowers we sell and guarantee their safe arrival in a perfect condition.

BUY DIRECT OF THE GROWER.

BASSETT & WASHBURN

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.

LONG DISTANCE PHONE, CENTRAL 1457.

Chicago.

TRADE FAIR.

Trade has been fair the past week but stock of nearly all kinds is plentiful but the cuts have shortened up considerably since the cold weather set in. Carnations are not quite so plentiful, as they have been but in most instances; the best stock now brings \$3.00 per 100. On Saturday the fancy grades could be had at \$2.00 per 100 but the price advanced shortly after and the market at the time of this writing is firm at \$3.00 per 100. American Beauty roses are in good supply but the fancy stock is moving quickly at \$3.00 per dozen and at \$4.00 per dozen for extra select stock. Roses are plentiful, especially Killarney, White Killarney and Richmond, with a good demand for the latter. Some fine Mrs. Jardine are now arriving and can be seen featured in many of the downtown store windows. There is a good supply of Mrs. Taft, Mrs. Aaron Ward, Melody, Lady Hillingdon, Sunburst, Radiance, Killarney Queen and Rhea Reid roses, but a few brisk days would clean up the market in these varieties. Lily of the valley is none too plentiful yet and the same might be said of orchids. There are a few gardenias arriving, but no surplus is ever noticed. Sweet peas are in good supply but the long-stemmed stock is still bringing good prices and the only cheap stock to be had are those that are short-stemmed. Spanish iris, in white, blue, yellow and lavender is seen at nearly all the houses in good supply but the demand for this stock is increasing now. Snapdragon can be had in quantity and some exceptionally fine stock is now arriving. Gladioli are more plentiful and some fine local grown Mrs. Francis King are now to be had. Daisies are in good supply, but lilies and cal-

las are not overplentiful. Trailing arbutus of fine quality are arriving in quantity and are having a good call. Smilax is still none too plentiful, but other greens are to be had in quantity.

NOTES.

Poehlmann Bros. Co. is booking a large number of orders for carnations for Mothers' day, and it seems that the day is being well advertised by the retailers throughout the country. Otto W. Frese called our attention to the letter head of the Alpha Floral Co., of Kansas City, Mo., which had a border consisting of many elderly women that was indeed very appropriate for the occasion.

Oscar Leistner has returned from a trip in the northeast with a nice lot of orders for Ove Gnatt's line of decorative goods. Mr. Leistner's best seller at present is the natural prepared oak wreath, which is now being recognized as a good article to handle for Memorial day by retailers everywhere.

The Foley Manufacturing Co. is completing a beautiful conservatory for Archbishop Quigley on Dearborn and North avenues. The building is octagonal with curvilinear roof, the materials being wood, iron and rock-faced limestone.

J. F. Kidwell, of the Chicago Flower Growers' Association, says that the inquiries for carnations for Mothers' day are numerous and that he would not be at all surprised if the best white brought 8 cents on that occasion.

William S. Grower of this city was appointed on April 29 by Governor Dunne as West Park Commissioner to fill the vacancy caused by the resignation of John P. Howland.

Treasurer Wiator has returned to the contributors 40 per cent of the amounts subscribed for the entertainment of S. A. F. visitors last summer.

SPANISH IRIS

WHITE BLUE YELLOW
LAVENDER

In Quantity. Write for Prices.

MISS O. A. TONNER,

162 N. Wabash Avenue,
CHICAGO.

W. E. Lynch says that his foreman is busy planting out carnations and that the principal varieties he grows are White Enchantress, Enchantress, C. W. Ward and Victory.

Vaughan's Seed Store is unpacking and reshipping five carloads of unusually fine box and bay trees in sizes to suit all buyers.

The C. C. F. A. bowling league will resume playing at Bensinger's West Randolph street alleys next Wednesday, May 7.

Percy Jones is having a special sale on ribbons that will last until May 10 or until the lot advertised is disposed of.

M. W. Penchas, 3144 North Francisco avenue, has just added 2,000 feet of glass to his present establishment.

John Young, en route to Minneapolis, Minn., greeted friends here for a few hours on April 28.

Robert Newcomb, representing Vaughan's Seed Store, is back from an out-of-town trip.

C. E. Critchell, of Cincinnati, O., was a welcome visitor this week.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

Carnations for Mothers' Day

\$5.00 per 100 for Light Pink and White. In effect May 7, 1913.

SPANISH IRIS

Good Supply of Fancy Yellow, Purple, White and Lavender.

Current Price List.

All our quotations are subject to market fluctuations, changes without notice, and our confirmation.

AMERICAN BEAUTIES		Per Doz.	LADY HILLINGDON.		Per 100	CARNATIONS—		Per 100
Specials.....		\$4.00	Specials.....		\$12.00	Firsts.....		\$3.00 to \$5.00
36-inch.....		3.00	Long.....		10.00	Seconds.....		3.00
30-inch.....		2.50	Medium.....		8.00	Splits.....		1.50 to 2.00
24-inch.....		2.00	Short.....		\$4.00 to 6.00			
20-inch.....		1.50	RICHMOND.		Per 100	ORCHIDS, Cattleyas... per doz., 6.00 to \$7.50		
18-inch.....		1.25	Specials.....		\$10.00	IRIS, Spanish		4.00
15-inch.....		1.00	Long.....		8.00	JONQUILS		3.00
Short stem.....	Per 100,	\$4.00 to 6.00	Medium.....		6.00	LILIES		10.00 to 12.00
PRINCE DE BULGARIE, Antoine Rivoire or			Short.....		3.00 to 4.00	VALLEY		3.00 to 4.00
Mrs. Taft.			KILLARNEY.		Per 100	SWEET PEAS, fancy		1.00 to 1.50
Specials.....		\$12.00	Specials.....		\$10.00	ADIANTUM CROWEANUM		1.00
Long.....		10.00	Long.....		8.00	SMILAX	Per doz.	2.50
Medium.....		8.00	Medium.....		6.00	SPRENGERI		2.00 to 4.00
Short.....		4.00 to 6.00	Short.....		3.00 to 4.00	PLUMOSUS SPRAYS		3.00 to 4.00
MRS. AARON WARD.			KILLARNEY QUEEN		Per 100	PLUMOSUS STRINGS		each .60
Specials.....		\$12.00	Specials.....		\$12.00	FERNS	per 1,000,	2.00
Long.....		10.00	Long.....		10.00	GALAX	per 1,000,	1.25
Medium.....		8.00	Medium.....		8.00	LEUCOTHOE	per 100,	
Short.....		4.00 to 6.00	Short.....		4.00 to 6.00	BOXWOOD , bunch, 25c; 50-lb. case,		
MELODY, specials.			WHITE KILLARNEY.		Per 100			
Long.....		\$12.00	Specials.....		\$10.00			
Medium.....		10.00	Long.....		8.00			
Short.....		4.00 to 6.00	Medium.....		6.00			
			Short.....		3.00 to 4.00			

Supply Department.

Baskets for Commencements and Weddings.

ALSO TUMBLER BASKETS AND PLATEAUS.

Price—right stock, new assortment selected for your approval, \$5.00 and up.

American Oak Sprays, per pound, 30 cents.

Special Sale of Three Stripe Chiffon, the very best quality,
4-inch, 2½ cents; 6-inch, 3½ cents; 10-inch, 6½ cents.

30 per cent discount on Wire Goods this week only.

Cape Flowers, Ruscus, Magnolia Leaves,
Wheat Sheaves.Cut Flower Boxes, Corrugated Boxes and Oak Wreaths for Memorial
Day. A trial order will convince you that we can deliver the goods.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

MOTHERS' DAY

For Mother's Memory A Flower White.

For Mothers Living A Flower Bright.

Large supply of Carnations and Roses for this day, so send your orders direct to us. Extra Fancy White Carnations for Mothers' Day, \$4.00 per 100. Colored, \$3.00 per 100

CURRENT PRICE LIST:

Buy from us and get the best stock in the market at the most reasonable prices. All late orders will be filled in full.

American Beauties

Per Dozen	Per Dozen
60-in. stems.....\$4 00	24-in. stems.....\$1 75
48-in. stems.....3 00	20-in. stems.....1 50
36-in. stems.....2 50	15-in. stems.....1 00
30-in. stems.....2 00	Short stems.....75

Killarney, White Killarney, Richmond and My Maryland

Per 100	Per 100
Extra special.....\$ 8.00	Medium.....\$ 5.00
Selects.....7.00	Good.....4.00
Fancy.....6.00	Short stems.....3.00

Roses, our selection - - - \$3.00

Sunburst

	Per 100
Fancy.....	\$10.00
Good.....	8.00
Short.....	6.00

Carnations Extra Special Red, Enchantress, Pink and White, \$3.00 per 100.

Carnations Good Red, Enchantress, Pink and White, \$2.00 to \$2.50 per 100.

FERNS, per 1000.....	\$2.00
SMILAX, per doz.....	2.00
ADIANTUM, per 100.....	1.00
GALAX, per 1000.....	1.00
SPRENGERI, per bunch.....	.50
ASPARAGUS SPRAYS, per bunch.....	.50
LILIES.....per 100, \$10.00 and 12.50	

S. Freund, with A. A. Arnold, the paper box manufacturer, has returned from a successful business trip in the east. Mr. Freund attended the National Flower Show in New York while he was calling on the trade in the large eastern cities and reports having had a most delightful time.

The Chicago Carnation Co.'s crack baseball team was defeated at Joliet last Sunday, April 27, by the Speed Boys in a close and exciting twelve-inning game by a score of 3 to 2. Peter Olsem as usual is managing the nine, which is a pretty fast aggregation.

Bert Cole has taken possession of the store which he recently purchased from the Columbia Floral Co. at 3103 Cottage Grove avenue. Mrs. Cole and Miss Gallagher will manage the store while Mr. Cole is attending to his duties on the local market.

C. L. Washburn has been troubled more or less the past week with gall stones and was obliged to go home one day and consult his physician. He has just had another attack, which his friends hope will not prove serious.

Peter Reinberg is still strong on Richmond roses but the stock cleans up well each day at good prices. Tim Matchen expects a good sale for this rose for Mothers' day.

The Gross Park Florist Store which recently opened at 2016 Roscoe boulevard is enjoying a good season under the management of Fred J. Dittberner.

Emil Danz, the West Lake street florist, who has been confined to his home for several months, is able to be about again.

Jack Henesh, formerly with the Chicago Flower Growers' Association, is now with the Batavia Greenhouse Co.

Harry Garland is calling on the trade in Wisconsin and Michigan in the interests of the Geo. M. Garland Co.



WANTED



PEONY GROWERS

We are desirous of securing the crops of several Peony growers who can be relied on to put up stock that will hold and ship. We have a very fine market and are confident that we can handle your stock to the best advantage. Write immediately and let us know what you have and how soon you can ship.

ZECH & MANN

Wholesale Florists

162 N. Wabash Ave.,

L. D. Phone:
Central 3284

CHICAGO

Mention the American Florist when writing

Carl Netschert has moved from his South Wabash avenue location to 12 North Michigan avenue.

Steve Minon is moving from his old place to his new store at 2065 Milwaukee avenue.

The Alpha Floral Co. is featuring pink snapdragons in its mammoth window displays this week.

James B. Hancock and family now occupy their new home in West Irving Park.

CARNATIONS

Good Supply for

Mothers' Day

FANCY WHITE, \$4.00 per 100; COLORED, \$3.00 per 100

Also Large Cuts of

Fancy Richmond

Killarney, White Killarney, American Beauties, My Maryland and Mrs. Aaron Ward Roses.

Order your stock from us and get the best obtainable. Do it now.

Current Price List

AMERICAN BEAUTIES—		Per doz.			Per 100
48-inch stems		\$4.00	Sunrise		\$4.00 to \$8.00
48-inch stems		3.50	Roses, our selection		3.00
36-inch stems		3.00	Carnations		2.00
30-inch stems		2.50	" Fancy		3.00
24-inch stems		2.00	" Splits		1.00
20-inch stems		1.50	Harrisii		10.00 to 12.50
18-inch stems		1.25	Valley		3.00 to 4.00
12-inch stems		.75 to 1.00	Sweet peas		.75 to 1.50
Short		.50	Tulips		3.00 to 4.00
Richmond		Per 100.	Adiantum		1.00
Killarney	Select	\$6.00 to 8.00	Asparagus, per bunch		.50
White Killarney	Medium	4.00 to 6.00	Ferns, per 1,000		2.00
My Maryland	Extra select	10.00			
Wards					

2,000,000 Feet of Modern Glass

PETER REINBERG

30 E. Randolph St.,

L. D. PHONE
CENTRAL 2846

Chicago

E. F. Winterson's magnificent home on South Hamlin avenue, surrounded by several hundred standard bay trees, is attracting a great deal of favorable attention at present. Mr. Winterson takes great pride in keeping up the appearances about his premises and it is safe to say that his home will be the beauty spot of that neighborhood this summer.

N. J. Wiator says that Wiator Bros. have already booked several large carnation orders for Mothers' day and that more are continually arriving. This firm has a good supply of roses and carnations at present with choice American Beauty the principal offerings.

The J. B. Deamud Co. is having a big call for trailing arbutus which it is now featuring in quantity. The stock is unusually fine this spring and as formerly comes from the wilds of Wisconsin and Michigan.

E. E. Pieser of Kennicott Bros. Co., left on April 28 for Philadelphia, Pa., where he will receive treatment at the Rest Sanitarium. Mrs. Pieser left the day previous and will remain in the east for several weeks.

H. Wenberg says that the Batavia Greenhouse Co. will devote some of its houses now planted with carnations to roses next season as the former have been a poor investment for several years.

John Risch thinks that Mrs. Taft is the best rose in commerce today. This rose is always in great demand at Weiland & Risch's store, as are all their other novelties in cut flowers.

A. L. Vaughan, who is receiving treatment for rheumatism at the Sacred Heart Sanitarium in Milwaukee, acknowledges a pleasant visit from C. C. Pollworth of that city.

The Association of Commerce is advocating extended use of window

boxes in the downtown district and all florists should aid the movement in every way possible.

Frank Pasternik, formerly with the Ernst Weinhoeber Floral Co. and later with Canger & Bergmann, is now in the employ of the A. L. Randall Co.

Mrs. Kemar, formerly located on West Twenty-sixth street, opened a new store at 2143 South Fifty-second avenue on April 26.

Hoerber Bros. are cutting heavily in roses and carnations and report business as brisk with a cleanup in stock each day.

Schiller's north side store is enjoying a busy season under the able management of Herman Schiller.

W. N. Rudd left for Springfield April 28 in the interest of state experiment station work.

The George Wittbold Co. has a very attractive card in the north side street cars this month.

The next regular meeting of the Florists' Club will be held at the Union restaurant, West Randolph street, May 8. The flood relief committee will make its report and an interesting meeting is looked for. All members and their friends in the trade are earnestly requested to be present.

Zech & Mann are in the market for a few peony growers and will without question secure some for their spring trade. John Zech attended a banquet at Hotel La Salle this week when one of the church societies of which he is a member met at the well known hostelry.

Fred Lautenschlager has returned from New York, where he attended the National Flower Show. Mr. Lautenschlager as usual met with much success on his trip, selling enough Kroeschell boilers to heat 199,600 square feet of glass.

Mrs. August Dressel died at the home of her son-in-law, Sam Pearce, April 26. The trade was well represented at the funeral April 30 and the floral offerings were profuse.

Poehlmann Bros. Co. has already planted out 200,000 carnation plants since April 23, an average of 50,000 a day.

Mrs. T. E. Matchen is entertaining her sister, Mrs. French, of Kilbourn, Wis., this week.

Visitors: S. W. Coggen, Battle Creek, Mich.; John Young, New York; C. E. Critchell, Cincinnati, O.

Cincinnati.

MARKET OVERCROWDED.

The less that is said about last week's business the better. There was an oversupply of good stock. Practically every line in the market is crowded or glutted. The local demand is rather slow, while the out of town demand has also let down somewhat. Monday, which is usually one of the best days of the week, started very poorly. As the week progressed matters grew worse and toward the close the only possible thing left for the wholesalers was to try to clean up at any price. The offerings include the usual good supply of roses and carnations. Short stemmed American Beauty are too plentiful. Spanish iris and snapdragon sell very well but are not bringing quite the fancy prices they realized a short time ago. The sweet pea supply is very much heavier. Both Easter lilies and callas are coming in strong. Smilax is on the short side of the market.

NOTES.

The florists in the flower market are offering a very good line of bedding stock to their trade. Schumann & Wahlers, Wm. Schumann, Ed. Fries, Wm. Speck, Tom Jackson, Louis Pfeiffer's Sons, Chas. Pfeiffer's Sons, C. Witterstaetter, Deller & Witterstaetter, Popp Bros. and the others have elegant offerings of geraniums and the like. Ed. Fries also has a large lot of choice potted roses, while Schumann & Wahlers and Wm. Schumann also have some fine hydrangeas.

J. A. Peterson, with the thoroughness with which he goes about everything he does, has carefully laid out the grounds about his home and has planted many varieties of trees and shrubs. His place should be beautiful this summer.

C. E. Critchell left for Chicago Sunday evening. Minneapolis is his final destination. He is going there to arrange preliminary matters of his committee relative to the coming S. A. F. convention.

R. Witterstaetter is convalescing rapidly and will no doubt soon be able to be about again.

Mrs. Mulford of Lebanon, Pa., was a caller and a heavy buyer on Monday.

H.

PERCY JONES

L. M. JONES Secy.

(Inc.)

H. VAN GELDER, Pres.

Special Ribbon Offer

We have set aside a shipment of ribbons which we now offer at the following prices:

(10 Yard Bolts, Any Color.)

	No. 333	No. 666	"Van Brand" Our Best
	Plain Taffeta	Medium Satin Taffeta	Satin Taffeta
No. 5.....	\$0.25	\$0.30	\$0.40
No. 7.....	.35	.40	.50
No. 9.....	.40	.45	.65
No. 12.....	.45	.55	.80
No. 16.....	.50	.60	.90
No. 22.....	.60	.75	1.05
No. 40.....	.75	.85	1.25
No. 60.....	.85	.95	1.40
No. 80.....	.95	1.10	1.60
No. 100.....	1.05	1.20	1.80
No. 120.....		1.30	1.95
No. 150.....		1.45	2.10

This offer will be withdrawn on May 10th, or as soon as this shipment is sold out, when the prices will advance 25 per cent. Owing to the scarcity of ribbons and the extremely low prices that we are quoting in this ad. you cannot afford to pass up this big bargain. Make up your order now and send it in to-day. We guarantee all this stock to be perfect in every way.

56 E. Randolph St., Chicago

CAPE JASMINE

FROM TEXAS COAST JASMINE FARMS. CREAM OF THE CROP.

We have the flowers. You need them. Place your orders with us at once. We will have close to 500,000 buds this year. Buds packed to ship any distance.

PRICES ARE:

B's— 3 to 6-in. stems.....	\$5.00 per 1000
A's— 6 to 12-in. stems.....	8.50 per 1000
X's—12 to 18-in. stems.....	13.00 per 1000
Less than 500, \$1.00 and \$1.50 per 100	

CASH OR C. O. D.

R. W. WOODWARD, Mgr.

P. O. BOX 226

ALVIN, TEXAS.

NEW YORK.—Henry J. Lefferts has been appointed receiver for Phillip J. Schaeffer, florist.

BOWLING GREEN, O.—W. W. Milner of Ada has purchased the greenhouses of the Mercer Floral Co. here.

MOLINE, ILL.—Mrs. C. D. Deere of this city died on April 28. She was well known to the trade in this vicinity and had a host of friends in the Tri Cities.

U S Budlong's E Blue Ribbon Valley,

PERMA, MONT.—John Douglas has erected a greenhouse.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449

176 N. Michigan Ave.

Chicago

BIG SUPPLY

White and Red

Carnations

And White and Red

ROSES

FOR MOTHERS' DAY

EXTRA FINE STOCK
JUST RIGHT FOR SHIPPING ORDERS

Current Price List. Subject to change without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$2.00	1.50
Killarney.....per 100	8.00	6.00	5.00	4.00	3.00
White Killarney.....	8.00	6.00	5.00	4.00	3.00
My Maryland.....	8.00	6.00	5.00	4.00	3.00
Richmonds.....	8.00	6.00	5.00	4.00	3.00
Mrs. Aaron Ward.....	8.00	6.00	5.00	4.00	3.00
Sunburst.....	8.00	6.00	5.00	4.00	3.00
Carnations.....	4.00	3.00	2.00	.....	.....
Callas.....	12.50	10.00	.....	.....	.....
Lily of the Valley.....	4.00	3.00	.....	.....	.....
Violets, Extra fine single.....	1.50	1.00	.....	.....	.....
Double.....	1.00	.75	.....	.....	.....
Sweet Peas.....	1.50	1.00	.75	.....	.....
Jonquills.....	4.00	3.00	.....	.....	.....
Tulips.....	4.00	3.00	2.00	.....	.....
Easter Lilies.....	12.50	10.00	.....	.....	.....
Daisies.....	1.50	1.00	.....	.....	.....
Asparagus Plumosus Sprays..	4.00	3.00	2.00	.....	.....
Asparagus Sprenger Sprays..	3.00	2.00	.....	.....	.....
Mexican Ivy.....	.60	.....	.....	.....	.....
Smilax.....	16.00	12.50	.....	.....	.....
Galax, Green and Bronze.....per 1000	1.00	.....	.....	.....	.....
Ferns.....	2.00	.....	.....	.....	.....
Boxwood.....bunch	.25	.....	.....	.....	.....
Adiantum.....per 100	1.00	.75	.....	.....	.....

U S Budlong's E Blue Ribbon Valley.

Cleveland.

WEATHER MAKES STOCK PLENTIFUL.

We had a week of delightful spring weather until Saturday, when it turned colder and rained all day. However, the warm weather during the week brought the stock in in almost unlimited quantities. Sweet peas were almost a glut by Saturday. The same may be said of roses and carnations, although these had been more plentiful all week, but several social functions at the end of the week, as well as considerable funeral work, cleaned them up fairly well. American Beauty roses with long stems and good flowers are arriving in good supply, as are those of medium stems. Short stemmed stock of this variety is also plentiful. Some very good long stemmed Maryland roses are on the market. Aaron Ward roses are in full crop at present, and stock is exceptionally fine. Lily of the valley is more plentiful in several grades. Violets still arrive, but the demand has dropped off. Greens of all kinds are plentiful. An unusually heavy demand for string smilax kept the wholesalers busy Saturday.

NOTES.

While delivering a "hurry-up" cut flower order Friday morning, Chas. Schmitt, 142 Burton avenue, was arrested and heavily fined for speeding on his motorcycle. It was the most expensive delivery Charley ever made.

The Chicago Great Western has been named the Official Route of the Chicago Florists' Club to the Minneapolis Convention, August 19th to 22nd.

The Chicago Florists' Club will leave Chicago by Special Train at 6.15 p. m., August 18th, an invitation is extended to all eastern Florists and their friends and families to join them at Chicago and go to the convention in a body.

Special train will be "up-to-the-minute" throughout—including compartment and drawing room and standard sleepers, Buffet Club car, dining cars, Observation parlor, etc., etc.

For berths and information address,

A. L. CRAIG, General Pass. Agt.,
1139 People's Gas Bldg., CHICAGO, ILL.



"The Busiest House in Chicago."

—TRAILING ARBUTUS—

Good supply of fine fresh stock daily from Wisconsin and Michigan. Also a large supply of fancy white carnations for Mothers' Day and a full line of all other seasonable flowers and greens for everyday use.

QUANTITY

QUALITY

ORDER TODAY.

J. B. DEAMUD CO.

Phones | Central 3155. 160 N. Wabash Av., CHICAGO
Auto. 44-389.

To do a decorating job well is not unusual, but to have it appreciated to such an extent by the bride's father as to merit a diamond stickpin as a present is something out of the ordinary. Such was the good fortune of Clarence Meyers, decorator for the Smith & Feters Co. At St. Paul's Church and at the residence of the bride on East Forty-sixth street, Mr. Meyers had charge of the decorations for the Hubbard-Todd nuptials. The church was decorated with Southern smilax, Easter lilies and white lilac, while at the residence Southern smilax and Pink Killarney and American Beauty roses predominated. The bride's bouquet was of lily of the valley and lavender (nearly white) orchids, tied with a bridal scarf. The maids of honor carried yellow iris and lily of the valley bouquets.

The J. M. Gasser Co. retail store has had on exhibition a floral design of a boat, the new "See and Bee" which will soon be launched on the great lakes. The design consists of a frame in which several flowering rambling rose plants are growing completely hiding the frame, and making a very pretty and artistic design. It attracts much attention.

It has just become known that Chas. A. Woodman of the Cleveland Florists' Exchange was married Saturday, March 29, to Miss Dora Zimmerman. Their marriage had been kept a secret from their many friends until this week. They will shortly go to house-keeping on the south side.

Peter J. Probeck has sold his place—greenhouses, residence, stock and everything—to E. G. Buyer, who is a son-in-law of G. M. Nauman. Mr. Buyer has a good location, and without a doubt will make a success of the venture.

The Hough Avenue Flower Shop has closed its doors. The fixtures and stock were bought by Mrs. Lincoln Brown.

Saturday, April 26, was flower day for the German hospital and thousands of blooms were sold.

C. F. B.

Detroit.

OVERSUPPLY OF STOCK.

Two funerals, one of a distinguished clergyman, the other of a popular jurist, the early part of the last week, gave the florists the only active work the week brought. Otherwise, the trade could be called decidedly dull. Unfavorable weather is blamed for the

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

stagnation, which was general. Saturday there was a heavy downpour of rain the entire day, continuing into the night, and most of the day following. The supply of flowers of all kinds kept up unceasingly, to the loss of both growers and dealers. The local rose growers are sending in an abundance of short-stemmed roses, and but few long ones, the latter being the only kind much in demand. There is no excess of good lilies on the market, but a surplus of the poor grades is always seen. Carnations are fair in quality, but too many are coming in for the limited demand. Indoor grown iris is now appearing and sells fairly well. Bulbous stock is about done for the season. Sweet peas are in fair supply and all are used to advantage.

NOTES.

Wm. Wells, the well known florist of Marstham, Surrey, England, visited the trade here Friday, April 25. A luncheon in his honor was given at Harmonie Hall. Those in attendance included Philip Breitmeyer, M. P. Hurlburt, E. A. Feters, Robert Rahaley, A. Pochelon, Harry Breitmeyer, J. F. Sullivan. The distinguished visitor related the methods of growing and marketing in his country, and said that the methods of American carnation growers are being most generally adopted by the English growers who specialize in this flower. In the afternoon the party visited the establishment of Thos. Browne, to inspect the new carnation Philadelphia. Mr. Wells, after highly complimenting the variety, left a large order for two-inch pot plants of it, with which he will supply the European demand. Mr. Pochelon succeeded in getting a long list of florists in England for the Florists' Delivery Association.

A special meeting of the Florists' Club is called for Wednesday evening, April 30, at the L. Bamb Co. store for the purpose of perfecting plans to advertise Mothers' day.

Florists are complaining of the

Kennicott Bros. Co.

Wholesale Cut Flowers

BOXWOOD—Extra Fine,
\$7.50 per case.

163-165 N. Wabash Av.
CHICAGO

L. D. Phone Central 466

Anyone desiring

Orange Blooms or Cut Flowers

Can obtain same by addressing

B. Eldredge Greenhouses
BELVIDERE ILL.

Mention the American Florist when writing

great scarcity of greenhouse help and in some places even the cutting and packing of flowers is neglected for this reason.

John Klang will soon build a new store at Forest and Fowler streets.

J. F. S.

White Carnations

In quantity for Mother's Day. Also a good supply of all the colored varieties. Owing to the heavy demand for carnations on this day it is advisable to place your orders with us as early as possible. Better include roses also when ordering, for they are now being recognized as an appropriate flower for Mother's Day and in many instances are taken in preference to the carnation. We also have a good supply of all other seasonable stock, including greens, and will be pleased to hear from you by next mail in regard to your future orders.

(All stock billed out at lowest market rates on day of shipment.)

A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.,

L. D. Phone:
Central 2761

CHICAGO

Boston.

MARKET HAS BETTER TONE.

Things have taken on a somewhat brighter aspect this week. The sluggishness of last week is less apparent, although prices have not advanced with the exception of carnations. There is more of a clean out each day. Carnations are going the best of any flowers and the price has been raised accordingly. The Spencer variety of sweet peas are very fine. They overshadow the winter sweet peas, which are in the last stages of decline. The wholesalers report a satisfactory trade.

NOTES.

We made a call at Chas. Holbrow's place at Brighton. Charlie, as he is called by his many friends, is one of the best known and most successful growers in this section. His two new big rose houses are looking the picture of health. The houses are of King construction. His grower, — Kelly, certainly deserves credit. An attractive office has been added, hardwood floors and well lighted. He has an ideal location for a retail trade. This end of the business is looked after by Miss Holbrow, his daughter. We thought there must be a touch of the feminine art when we entered, for unlike most florists' offices it was scrupulously clean and the arrangement of the show plants was well done. The older houses are filled with carnations and bedding plants, and one house with palms and other foliage plants. Around his new dwelling the grounds are neatly kept, which is an added attraction and an incentive for visitors to purchase. His surplus is sold by the Flower Growers' Sales Co. An automobile is to be added to his other equipment. Mrs. Holbrow sails for England June 11 to be gone for some time.

Welch Bros. are stocking up with all kinds of metal and wax wreaths, etc.

for the Memorial day trade. David Welch says: "We don't like them, for everyone we sell makes one sale less in the fresh flower division, but we had such a heavy call for them last year and early inquiries for them this year that we have stocked up pretty heavily."

Wm. Morris of Wellesly and Nelson & Johnson of Framingham have each purchased a car. The horses have become too slow for these enterprising florists.

MAC.

Washington.

ROSES PLENTIFUL.

The market is still short on good carnations, but roses are plentiful. The best American Beauty are sold from \$15 to \$25 per hundred. Killarney, Richmond, My Maryland, Bride, Lady Hillingdon, and Killarney Queen bring from \$4 to \$12 for the best.

NOTES.

The banquet of the Washington Florists' Club will be held at the Ebbett House, May 4. Judging from present applications for tickets it will be one of the best attended the club has ever had.

J. H. Small had the church decoration for the wedding of the daughter of the secretary of the navy to Lieut. Rogers April 26. The home was decorated by the Washington Florists' Co.

W. W. Kimmell is kept very busy at present with outside work. He is planting three carloads of evergreens and rhododendrons for Geo. Vanderbilt.

Theo. Diedrich is still sending in some good single violets. He is also cutting some of the finest snapdragon the stores have had this season.

The social season is about over but there are always a few dinner decorations up until the middle of May.

Page 843

On this page the weekly
Price List of

American Importing Co.

219 S. Dearborn St., Chicago, Ill.

(The Gold-Letter People)

will regularly appear.

A DECORATION DAY WINNER

Natural prepared **American Oak Wreaths**, made from preserved and fireproof Oak Sprays in cherry red, golden brown and natural green. Two sizes, 18 and 24 inch. Sample of 24 inch wreath will be sent postpaid on receipt of 90c.

OSCAR LEISTNER, 17 North Franklin Street CHICAGO

Selling Agents for OVE GNATT Hammond, Ind.
Preparer of natural foliages

U S E Budlong's Blue Ribbon Valley.

Gude Bros. are cutting some very good peonies and American Beauty roses.

Visitors: J. Gaudy, representing H. A. Dreer, Inc., Philadelphia, Pa.
G. C. D.

ANNOUNCEMENT

The following growers are now selling their own stock in the quarters formerly occupied by Henry Wittbold, 56 E. Randolph Street, Second Floor:

Frank Beu

H. C. Blewitt

Sinner Bros.

M. C. Gunterberg

A. E. Hunt & Co.

These growers have a large variety of stock which makes this one of the best sales quarters in the **Great Central Cut Flower Market**—a store where fresh stock will be obtainable at all times.

H. WITTBOLD will continue in the wholesale commission business and calls attention to the fact that his store is headquarters for **WILD SMILAX**, **Choice MEXICAN IVY** and **MAGNOLIA LEAVES**. Also fine Bay Trees. Write for prices.

H. WITTBOLD,
56 E. Randolph St., Phones { Randolph 4708—Office
 { Rogers Park 227—Nursery **Chicago**

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street

L. D. Phone, Randolph 6578

CHICAGO, ILL.

New Jersey Notes.

In addition to the Orange florists who make growing their chief business, there are a number of fine retail stores, to nearly all of which several greenhouses are attached. The stores of East Orange are noteworthy, being well equipped, carrying good stocks and catering to high class trade. George Smith has a fine retail store and conservatories and is a heavy buyer of cut flowers in the New York market. Charles Hale, once a Washington, D. C. florist has a good store and conservatories. Mr. Hale has several sons and a daughter with him in the business and contrives to keep busy himself. On Main street, which runs through all the Oranges, other good stores are those of Reichy & Simpson, P. Popken and Geo. Perdue.

With fresh laurels won at the International Flower Show, W. A. Manda of South Orange, with his large force, is now greatly rushed, filling orders. The great variety of stock grown at this place makes it a popular resort for the buyers who wish to beautify their home grounds. Both the nursery and greenhouses show, in their respective lines, an abundance of good stock, and it is going fast.

Jos. A. Manda, of West Orange, a brother to W. A., and who is also well known in the horticultural world, erected two new houses last summer

and his range is well stocked with fine orchids which are his specialties. He also has a good line of foliage plants and the neatness of his place is a noteworthy feature.

A. F. F.

Albany, N. Y.

"Ornamental Trees and Shrubbery" is the title of the annual published this year by the New York state education department for its Arbor day booklet. The pamphlet of 56 pages is the compilation of George Martin Wiley, chief of the administration division of the department. In it are several special articles of unusual interest. Among them are: "Significance of Arbor Day," Samuel S. Draper; "Planting and Care of Trees and Shrubs for Ornament," Herman W. Merkel; "Insect Enemies of Trees and Shrubs," Prof. E. P. Felt, state entomologist; "John Walton Spencer," Anna Botsford Comstock, of Cornell University.

Harry W. Riggs of Whittle & Riggs, 97 Hudson avenue, and his father-in-law, have purchased a place in the town of Bethlehem, six miles south of Albany, where Mr. Riggs will make his home. The farm comprises 32 acres and can be reached easily from the city over macadam roads in Mr. Riggs' automobile. The firm of Whittle &

U S Budlong's
E Blue Ribbon Valley.

Riggs will remove this spring to new quarters, a door or two east of the present store.

Fred A. Danker has issued his first catalogue of perennials, roses, vines, and other stock kept at his nursery, 744 Central avenue. The catalogue is a well-printed booklet of 24 pages with numerous fine halftones. For the first issue the publication is creditable.

Frederick W. Eberle, seedsman, at 112 South Pearl street, has obtained a permit to erect a three-story brick warehouse at Franklin and Rensselaer streets to cost about \$6,000.

R. D.

WORCESTER, MASS.—William W. Estabrook has taken out a permit to build a greenhouse to cost \$2,000.

MT. PLEASANT, IA.—George J. Neal, for sixteen years a florist at the Beckwith Greenhouses, has purchased a greenhouse plant at Geneseo, Ill.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

68 E. Randolph Street,

Private Exchange to
all Departments. Phone Central 7720.

CHICAGO

Everything in Cut Flowers and Supplies.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids, Violets and Other Seasonable Stock.

Long Distance Phone
Central 3598.

We have a big supply of
Mexican Ivy

and a surplus of choice

MAGNOLIA LEAVES

AND PREPARED PALM LEAVES.

H. WITTBOLD

56 Randolph St., CHICAGO

Phone Randolph 4708

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

U S Budlong's
E Blue Ribbon Valley.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS

Our Specialties.

HOERBER BROS.

Wholesale Cut Flowers

Growers of
Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., CHICAGO

Flower Colors

Use our COLOR CHART in describing them
PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St., CHICAGO

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers
at Lowest Market Prices.

30 E. Randolph St., CHICAGO

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, April 30.	Per doz.
Roses, Beauty, specials.....	\$4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 28-in.....	2 00
" " 15-20-in.....	1 25@ 1 50
" " 12-in.....	75
" " Short.....	Per 100
" Killarney.....	4 00@ 6 00
" White Killarney.....	4 00@ 10 00
" Richmond.....	4 00@ 10 00
" Prince de Bulgarie.....	4 00@ 12 00
" Radiance.....	4 00@ 12 00
" My Maryland.....	4 00@ 10 00
" Melody.....	4 00@ 12 00
" Mrs. Jardine.....	4 00@ 10 00
" Lady Hillingdon.....	4 00@ 12 00
" Sunburst.....	4 00@ 12 00
Carnations.....	1 00@ 4 00
Daffodils.....	3 00
Cattleyas..... per doz.,	6 00@ 7 50
Gardenias.....	2 00@ 4 00
Lilium Harrisii.....	10 00@ 12 50
Valley.....	3 00@ 4 00
Sweet Peas.....	1 00@ 1 50
Adiantum Croweanum.....	1 00
Boxwood..... per lb.,	25
Ferns..... per 1000,	2 00@ 2 50
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy..... per 1000,	5 00@ 6 00
Plumosa Strings, each,	50@ 60
Smilax..... per doz.,	2 00@ 2 50
Sprenger, Plumosa Sprays.....	3 00@ 4 00

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing

Wietor Bros.

Wholesale Growers of **CUT FLOWERS**

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

Chicago Carnation Co.

Wholesale Florists,

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

Mention the American Florist when writing

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing



CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

Green Sheet Moss

For lining hanging baskets, for decorating
show windows, for covering soil on pot
plants, etc. 1 Bale (5 bundles).....\$1.25
5 bales (25 bundles)..... 6.00

GEO. H. ANGERMUELLER,
Wholesale Florist. ST. LOUIS, MO.

U S Budlong's E Blue Ribbon Valley.

Philadelphia.

BUSINESS GOOD.

Business has been good for the season and, stock which is about equal to the demand, brings satisfactory prices. There has been a very good out-of-town shipping trade which, with the local call, keeps the market cleaned up every day. American Beauty roses are still in good shape, some excellent stock being seen. Prices are a shade better. Killarney roses show a little mildew, as is generally the case at this season. Some growers, however, seem to escape it. Richmond roses as well as Mrs. Taft, Lady Hillingdon and Mrs. Ward, are still in good demand. They will all be largely planted for next season. There are plenty of carnations at present, much of the stock being fine. The supply for Mothers' day will, it is said, be about the same as last season. Snapdragon moves lively, as do sweet peas, which are now seen in large quantities. Cattleyas are an important factor and large quantities are used daily. While there seems to be a good daily supply of lily of the valley, the man with an order for any quantity had best look out for his supply, as it is uncertain and the market is at times found bare over night. Gardenias are offered at buyers' prices.

NOTES.

Adolph Farenwald will be the essayist at the next meeting of the Florists' Club. His subject will be "Affiliation." We look for a valuable paper, as Mr. Farenwald is one of the live wires of the craft. Edw. Reid, as chairman of the essay committee, is doing splendid work. There will also be a report of the New York show by the various members who were there. As nearly the whole club attended it will be a sort of love feast. The movement to bring the next show here should be started at once and kept to the fore so constantly that there will be no denying this city the honor which it deserves.

The H. A. Dreer Co. is having the greatest business in its history. The immense packing shed is crowded to its fullest capacity. Men stand shoulder to shoulder, and yet, with the enlarged force, they are hardly able to

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, April 30.	Per 100
Roses, Beauty, extra.....	50 00@60 00
first.....	20 00@35 00
Brides and Maids.....	4 00@12 00
Killarney.....	4 00@15 00
White Killarney.....	4 00@15 00
Liberty.....	6 00@15 00
Carnations.....	3 00@ 5 00
Cattleyas.....	35 00@50 00
Daffodils.....	2 50@ 3 00
Freesias.....	3 00@ 6 00
Gardenias..... per doz., 1 00@ 2 00	
Lilium Harrisii.....	8 00@12 00
Lily of the Valley.....	3 00@ 5 00
Calla Lilies.....	10 00@12 00
Marguerites.....	1 50@ 3 00
Snapdragons.....	10 00@20 00
Sweet Peas.....	75@ 1 50
Violets, single.....	75@ 1 00
double.....	75@ 1 00
Asparagus..... per bunch, 50	
Tulips.....	2 00@ 4 00

PITTSBURG, April 30.	Per 100
Roses, Beauty, special.....	50 00
extra.....	30 00
No. 1.....	15 00
Killarney.....	3 00@10 00
My Maryland.....	3 00@10 00
Richmond.....	3 00@10 00
Carnations.....	3 00
Calla Lilies.....	12 00
Freesias.....	3 00
Gardenias.....	3 00
Daisies.....	2 00
Cattleyas.....	50 00
Violets.....	50@ 75
Sweet Peas.....	75@ 1 00
Lilium Longiflorum.....	12 00
Lilium Rubrum.....	8 00
Lily of the Valley.....	4 00
Daffodils.....	3 00
Tulips.....	3 00
Paper White.....	3 00
Romans.....	2 00
Poeticus Narcissus.....	1 00
Oncidiums.....	4 00
Lilac..... per bunch, \$1 00	
Asparagus Sprengeri, per bunch, 35@40	
Sprays..... per bunch, 35@40	

MILWAUKEE, April 30.	Per 100
Roses, Beauty, per doz., 2 00@5 00	
White and Pink Killarney.....	3 00@ 8 00
Richmond.....	3 00@ 8 00
Carnations.....	1 50@ 3 00
Callas..... per doz., 8 00@10 00	
Easter Lilies.....	6 00@10 00
Lily of the Valley.....	3 00
Sweet Peas.....	50@ 1 00
Tulips.....	2 00@ 3 00
Trumpet.....	2 00@ 3 00
Violets, Wisconsin grown.....	50@ 75
Asparagus..... per string, 50	
Sprengeri, per bunch, 35	
Ferns, fancy..... per 1000, \$2 00	

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

Easter Lilies, Tulips, Daffodils, Violets,
all the popular roses. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist.

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.

Supplies and Everything in Season always on hand

BEAUTIES**The Best. \$300 per doz.**Splendid stock in any quantity.
Special price on large order.**SNAPDRAGON****\$6.00-\$8.00 per 100.**Pink, White and yellow. As good
now as any time during the season.**PEONIES****\$8.00-\$10.00 per 100.**We can recommend them to you.
All freshly cut, none from storage.**THE LEO NIESSEN CO.,**Wholesale Florists,
N. W. Cor. 12th and Race Sts.,**Philadelphia, Pa.****EASTER LILIES**

All year round grown by

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio

Edward Reid**WHOLESALE FLORIST,****1619-21 Ranstead St., PHILADELPHIA, PA.**Orchids, Beauties, Valley, Tea Roses. The
best on the market for the price. Every facility
for rapid delivery**WELCH BROS. CO.**American Beauty, Killarney, Richmond, Maryland and all the
Superior Roses, Lily of the Valley, Carnations, Orchids**BEST PRODUCED****226 Devonshire Street,****BOSTON, MASS.****EVERYTHING
SEASONABLE****THE McCALLUM CO.,****Cleveland, Ohio
Pittsburg, Pa.**keep up with the rush of orders that
come in every mail.H. Bayersdorfer and wife sailed for
Europe April 29. Mr. Bayersdorfer
goes annually to look the foreign mar-
kets over for novelties in his line. These
goods generally arrive in time to be
seen at the trade exhibition of the S.
A. F.Leo Niessen is proud of his snap-
dragons. Great quantities are han-
dled daily. Carnations are also a fea-
ture. "Look out for us for Mothers'
day. We are going to have the best
stock we ever had," says Mr. Niessen.
Edward Reid has a little corner of
the American Beauty market to him-
self. His stock of "extras" of this
variety are top-notchers.The Jos. Heacock Co. has sold the
entire product of its dairy, some 800
quarts a day, to Girard College. K.**Rochester, N. Y.**At the annual banquet of the Roches-
ter Florists' Association, attended by
about 100 members and their wives,
April 24, the horticultural outlook was
the chief topic of discussion. W. T.
Logan was toastmaster. President
John Dunbar spoke on "The Horticul-
tural Horizon." A. E. Crockett, "The
Rochester Flower Show"; W. H. Dil-
dine, "The Successful Florist of the
Future"; R. G. Salter, "Reminiscences."
The entertainment committee was com-
posed of: F. W. Vick, G. B. Hart, C.
B. Ogston, J. M. Keller and T. R.
Schlegel. The officers are John Dun-
bar, president; George Arnold, vice-
president; H. B. Stringer, secretary;
William L. Keller, treasurer.Because the 150 members of the
Irondequoit Gardeners' Association did
not attend the annual auction of stalls
at the public market April 25, the sale
was postponed until May 30. Changes
in the terms and conditions are said
to be the cause of the gardeners' fail-
ure to rent the stalls. A. J. Warren,
secretary of the Gardeners' Association,
is quoted as saying they would estab-
lish a market of their own outside the
city.**Wholesale Flower Markets**

BUFFALO, April 30.		Per 100
Roses, Beauty, special.....	20	00@25 00
" " fancy.....	15	00@20 00
" " extra.....	10	00@15 00
" " No. 1.....	7	00@10 00
" " No. 2.....	3	00@5 00
" Maid and Bride.....	3	00@6 00
" Pink Killarney.....	3	00@8 00
" White Killarney.....	3	00@8 00
" Richmond.....	3	00@10 00
" My Maryland.....	3	00@8 00
" Aaron Ward.....	4	00@6 00
" Kaiserin.....	4	00@8 00
" Carnot.....	4	00@8 00
Snapdragon.....	4	00@6 00
Tulips.....	1	00@2 00
Swainsona.....	75	@1 00
Carnations.....	1	00@2 00
Lilium Longiflorum.....	10	00@12 00
Lily of the Valley.....	3	00@4 00
Pink Japan Lily.....	3	00@5 00
Jonquils, outdoor.....	1	00@1 50
Mignonette.....	2	00@4 00
Daisies.....	1	00@1 50
Sweet Peas.....	40	@1 00
Asparagus, per bunch.....	35	@50
Asparagus, Sprenger.....	35	@50
Ferns.....	per 1000,	\$2 50
Galax.....	per 1000,	\$1 50
Smilax.....		15 00

BOSTON, April 30.		Per 100
Roses, Beauty, best.....	25	00@30 00
" " medium.....	12	00@20 00
" " culls.....		4 00
" White and Pink Killarney	2	00@6 00
" " Extra.....	4	00@8 00
" Taft.....	4	00@10 00
" Cardinal.....	2	00@10 00
" Ward and Hillingdon.....	2	00@8 00
" Killarney and Richmond.....	2	00@8 00
" My Maryland.....	2	00@8 00
Carnations, select.....	2	00@3 00
Callas.....	8	00@12 00
Cattleyas.....	25	00@40 00
Gardenias.....	12	00@25 00
Lilium Longiflorum.....	8	00@10 00
Lily of the Valley.....	2	00@4 00
Sweet Peas.....	50	@75
Smilax.....	12	00@16 00
Violets, single.....	35	@75
" " double.....	25	@50

CINCINNATI, April 30.		Per 100
Roses, Beauty.....	per doz.,	\$1 00@3 00
" " Bride, Bridesmaid.....		3 00@8 00
" " Killarney.....		3 00@8 00
" " My Maryland.....		3 00@8 00
" " Perle.....		3 00@8 00
" " Richmond.....		3 00@8 00
" " Taft.....		3 00@8 00
Carnations.....		2 00@3 00
Callas.....		8 00@12 50
Lilium Giganteum.....		8 00@12 50
Lily of the Valley.....		3 00@4 00
Tulips.....		2 00@4 00
Dutch Hyacinths.....		3 00@4 00
Spanish Iris.....		2 00@4 00
Sweet Peas.....		35 @1 00
Asparagus Plumosus.....	per bunch,	25
Snapdragon.....		4 00@8 00

Give Us a
rial
We Can
Please You.Roses, Carnations and all kinds of
Seasonable Flowers in Stock.**WM. F. KASTING CO.**Wholesale
Commission
Florists.**BUFFALO, N. Y.**
Florists' Supplies and Wire Designs.

—THE—

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

**Jobbers of FLORISTS' SUPPLIES,
SEEDS and BULBS.**

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL**34-36 Third Ave. East, CINCINNATI, OHIO****Wholesale Commission Florist
Consignments Solicited****Complete Stock of Florists' Greens and Supplies**

St. Louis, April 30.		Per 100
Roses, Beauty, long.....	per doz.,	4 00
Roses, Beauty, medium.....		8 00@15 00
Roses, Beauty, short stems.....		3 00@6 00
" " Killarney.....		3 00@6 00
" " My Maryland.....		3 00@6 00
" " White Killarney.....		3 00@6 00
Carnations.....		1 00@2 00
Lilium Rubrum.....		8 00
Valley.....		4 00
Sweet Peas.....		20 @60
Asparagus Sprenger.....		2 00@3 00
Asparagus Plumosus, per bu.,	35	@60
Ferns, New. Fancy.....		2 00
Galax.....	per 1000,	1.25

New York.

GOOD STOCK SELLS WELL.

The weather of the past week was exceptionally warm. This has caused outdoor work to move swiftly. Many of the trees are in full leaf, lawn mowers are clattering, and bedding and window box work is active. While the supply of cut flowers began to increase about the middle of the week, there has been no marked surplus. There was a gradual lowering of prices, but carnations have held up, as a rule, to three and four cents. There was a good market, Saturday, April 26, though an increased supply of stock was noticeable. In American Beauty roses, the price for specials hovered around 25 cents. In Killarney and other tea roses a great amount of stock is being moved and good stock is selling well for this season. In fact, all good stock brings a good price, but the unseasonably warm weather is bringing in much that is inferior.

Monday, April 28.—The day opened with a deluge of rain which has put a damper on business. However, there is always some business on Monday and the buyers are about, but stock is moving slowly. There is little change in the prices of good stock.

The friends of Alexander Moore, who sells the roses from the noted Asmus range, in the rooms of the New York Cut Flower Co., are congratulating him on his marriage to Miss Mabelle Nate, which took place April 27 at North Bergen, N. J. A humorous story is told in regard to the ceremony. Mr. Moore is a brother-in-law of Mayor Adolph Asmus of North Bergen, who is also head of the rose growing firm of E. G. Asmus & Son. Mayor Asmus had promised to marry them and the guests were assembled. At the last moment the mayor refused. He said he was a politician and he feared it would bring them bad luck. It will thus be seen that there are yet politicians who have a conscience. Judge Medina of the recorder's court was sent for and performed the ceremony.

NOTES.

We hear that some promoting is already being done with the object of having another show in the Grand Central Palace in the spring of 1914. The Horticultural Society of New York has done a good work by its shows at the American Museum of Natural History, where excellent shows have been staged; doubtless it can in the future do more and better work if that work is properly appreciated and supported. To the people who are always expecting "knocks" we will say that this is not a criticism of anybody, but a statement of facts as we see them. As proof we point to what has been done by the Massachusetts and the Pennsylvania Horticultural societies which have received liberal support.

G. Meyer, of Madison avenue and Fifty-eighth street, arranged a handsome decoration for the Ritch-Tonnele wedding at the Plaza hotel, April 26. The decorations were of huckleberry and apple blossoms with a background of palms. It was on a large scale and both the ballroom and banquet hall were handsomely decorated. The ceremony took place in the reception room under a canopy of apple blossoms. On the same day Mr. Meyer arranged an exceptionally fine wreath of Richmond roses and lilies of the valley for the funeral of the late I. T. Burden, an old and prominent citizen.

Henry Weston, the well known grower of Hempstead, L. I., and one of the founders of the Growers' Cut Flower Co., of West Twenty-eighth street, is seriously ill in the Mineola hospital. About two weeks ago he was operated

on for appendicitis and progressed favorably until April 25, when he had a relapse. While we do not understand that he is in a dangerous condition, it is said that he is likely to be confined to the hospital for some time. He is a member of the New York Florists' Club and was an exhibitor at the recent National Flower Show.

Max Schling, whose store is at 22 West Fifty-ninth street, had a record-breaking day in table decorations April 24. For the opening of the new Woolworth Building, the latest wonder of New York, he decorated for a dinner of 900 covers, there being 102 centerpieces, the smallest of which contained 150 roses. On the same day he decorated for nine other dinners and one luncheon in which many roses and other flowers were used. Eleven hundred Richmond roses alone were used.

Phillip J. Schaefer, surviving partner of the retail firm of Reisner & Schaefer, 1247 Lexington avenue, has been declared a bankrupt and the stock and fixtures of the store were sold, by order of the courts, April 25. The deceased member of this firm, Samuel Reisner, was run down in the streets of Hamilton, Bermuda, several months ago, and died a few hours later.

Kamman & Crowley, retailers, at 31 W. Fifty-Eighth street, recently received a large shipment of fine crotons, dracenas and other plants from the Robert Craig Co., Philadelphia, Pa., which they are using with effect in changing the plant decorations in one of the leading cafes on Forty-second street.

P. J. Schroeder of Pine Brooks, N. J., whose Purity freesias were a leading feature during the winter at the wholesale store of J. K. Allen, has formed a partnership with Wm. Aubry and they will at once begin the construction of two new houses, 26½x150 feet each, at Caldwell, N. J.

Maurice Kleinman, the clever buyer and foreman of G. Myer, Madison avenue and Fifty-eighth street, has just finished an artistic piece of work in the planting and arrangement of the window and veranda boxes and vases at the Hotel Plaza. Many unusually fine foliage plants were used.

The annual meeting of the Cut Flower Exchange will be held May 3. At this meeting five directors will be elected to succeed George Galiner, P. Smith, G. Matthews and John Schneider, whose terms expire, and Philip Einsman, deceased.

Notable features of the market are the fine long stemmed sweet peas which Herman Mammitich, whose range is near Paterson, N. J., is sending in to A. Sauter of the Cut Flower Exchange. Many of the stems run from 12 to 15 inches.

One of the Kramer brothers of Farmingdale, L. I., was in the wholesale market on April 25. This firm is shipping a fine line of stocks to Alex. Dutcher of the New York Cut Flower Co.

Much good stock is now seen in the Cut Flower Exchange. Philip F. Kessler has daily a noteworthy display of Easter lilies, tulips and narcissi, as well as other good stock.

John Young, secretary of the Society of American Florists, left for Minneapolis, Minn., on the night of April 26 to arrange for the coming convention.

There is now considerable Spanish iris on the market but there is little variety in color, most of it being of the lavender or purple shade.

Visitors: S. S. Pennock, Philadelphia, Pa.; W. J. Stewart, Boston.

A. F. F.

Boston Notes.

Preparations are in progress for a noteworthy gathering of florists at the next meeting of the new Boston Florists' Club, to be held the first Tuesday in May. The officers of the organization are: Henry Penn, president; Henry R. Comley, vice-president; Julius A. Zinn, treasurer; Benjamin H. Green, secretary. They are putting forth unusual efforts to increase the membership, and hope that in time it will include practically all the leading men of the retail trade in greater Boston. There is to be a dinner at the City Club, where the previous meetings have been held, and among the speakers expected are William Stickels, William H. Elliott, John MacFarland and others of prominence.

Henry M. Robinson & Co., who will remove from 15 Province street May 1 to their new quarters in Winthrop square, directly under the Boston Florists' Exchange, secure by the change one of the finest and most commodious stores devoted to florists' supplies in New England, and possibly in the entire country. They will have about a quarter of an acre of floor space, and have been building ice chests during the week that cover 1,000 square feet, in preparation for an opening that will be a veritable exposition. As Henry Robinson of the firm puts it, they will show everything, "from a blade of grass to a 50-foot tree, and from a cowslip to an American beauty."

N. Rosenthal, of the Boston Cut Flower Co., who took a number of prizes at the show in New York and also made an enviable record as an entertainer, is much pleased with his trip, also with the invitations he received to attend "the next." He has increased his help in anticipation of additional May business, including preparations for Memorial day. The company had the decorations for the Fleischmann wedding, one of the features being a beautiful seashell canopy.

Richard Ludwig, manager for the N. F. McCarthy Co., has been receiving congratulations lately. The occasion is the advent of a new 12-pound boy in his family. Mr. Ludwig is gratified with the call from the retail trade for designs in artificial flowers for Memorial day, which promises this season, he says, to surpass anything previously reported in that line of goods. The concern is holding auctions of shrubs, etc., every Tuesday and Friday.

A cable message from Philip Carbone, received last week, announced his safe arrival in England, whence he is proceeding to Italy. Mr. Carbone is making his annual trip abroad in quest of artistic garden decorative pottery from the best European sources and of the newest types, sun dials, animal pieces in terra cotta, garden seats, jardinières and statuary being among his importations in this line.

Edward McMulklin, who has recovered from his recent illness, is devoting considerable attention now to a number of suburban estates that are entrusted to his care, notable among them being two summer places in Swampscott. He is busy also with the new spring supplies for the Lawson place in Scituate. From his orchid house he is getting a good supply of fine orchids for the retail trade.

Arnold & Petros, florists, 460 Boylston street, on April 18 filed a petition in bankruptcy in the United States district court. The members of the firm are James M. Petros and George F. Arnold. Their liabilities are \$5,784.81; assets, \$380. Mr. Petros has individual debts also aggregating \$1,144.19, including \$500 for rent. The schedules include \$3,000 due for rent.

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NEW YORK

WASHINGTON

OFFICIAL
S. A. F.

Shipping Labels

FOR CUT FLOWERS: in two colors on gummed paper: your card, etc., in black and leaf adopted by the S. A. F. in red. Price per 500. \$2.85; per 1000. \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago



S. S. Pennock-Meehan Co.

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.



Welch Bros., the Devonshire street wholesalers, are experiencing a greatly increased demand this year for Memorial day display goods from the retailers. They have a larger stock than ever before of designs in artificial flowers, set pieces in excellent variety and of artistic construction. Thus early the buying is breaking the record.

The Howard Flower Shop, recently opened by Frank Howard, who has a shop also in Cambridge, reports that the new venture is taking root satisfactorily. Mr. Howard has with him, as salesman, H. Simons, formerly in business on Boylston street, and Charles Ahlgren, who was previously with J. Newman & Sons.

Boston florists are expecting an excellent demand for flowers for Mothers' day, which has come into considerable favor here, and is observed by a great number of individuals, as well as by churches and societies. Some of the florists issue special advertisements in the local papers.

J. Newman & Sons furnished the decorations for one of the noteworthy society weddings of the week in the suburban town of Winchester. Large quantities of Southern smilax and flowering potted plants were used; also shower bouquets of pale pink sweet peas for the bride and bridesmaids.

M. Liebman, representative here of J. Kopelman, Providence, R. I., reports the quantity of output in many lines increased by the recent warm weather, although the advantage is offset, naturally, by some lowering of prices. He is getting a lot of new asparagus.

When the Thomas F. Galvin establishment moves from its present quarters at 124 Tremont street it will go to No. 126, next door. Customers will hardly know they are in another store when the change is made (about July 1) the two entrances are so close together.

William Carr, representing E. K. Mundy of Reading, is showing at the Exchange, in Winthrop square, some beauties in sweet pea bunches, white and pink of unusual size. Mr. Carr also showed last week for Waldecker of Braintree some fine iris in all colors.

The special basket window display that Wax Bros. have been making during the past week has attracted a great deal of attention. A bridal bower of smilax, overhanging vines and greenery is the feature of another of their display windows.

F. J. Dolansky & Co. have plans under way for two new greenhouses at Lynn. This concern is importing this spring 175 cases of orchids to add to its supply, which will make it one of the biggest orchid growers in this section.

Thomas F. Galvin's shop reports large shipments of gardenias and orchids. This company furnished the floral decorations for the Phelan-Gaffney wedding last week, at which Cardinal O'Connell performed the ceremony.

G. H. Davis, the Cambridge florist, is nursing a troublesome eye, which he had to keep bandaged last week. His physician says "too much nicotine" is responsible for it, and Mr. Davis has thrown away all his pipes.

The Montrose Greenhouses of Wakefield are cutting some fine Killarney

Paul Meconi

Wholesale Florist

55-57 West 26th Street
NEW YORK CITY

Telephone: 3864 Madison Square

Wholesale Flower Markets

NEW YORK, April 30.		Per 100
Roses, Beauty, special.....	20	90@25 00
" " extra and fancy.....	10	50@15 00
" " No. 1 and No. 2.....	1	00@3 00
" " Bride, Bridesmaid special.....	5	00@6 00
" " extra and fancy.....	2	00@3 00
" " No. 1 and No. 2.....	50	@1 00
" " Killarney, My Maryland.....		
" " special.....	6	00@8 00
" " extra.....	3	00@4 00
" " No. 1 and No. 2.....	1	00@3 00
" " Queen, special.....	7	00@9 00
" " Red, special.....	7	00@9 00
" " Hillingdon, Aaron Ward.....	8	00@10 00
" " Richmond.....	5	00@10 00
" " Sunburst, special.....	8	00@10 00
" " Taft, special.....	9	00@12 00
" " Mrs. Geo. Shawyer, special.....	10	00@15 00
Carnations.....	2	00@3 00
Jonquils.....	1	00@2 00
Cattleyas.....	25	00@60 00
Gardenias.....	8	00@20 00
Tulips.....	1	00@3 00
Lilies, Longiflorum and Harrisii.....	6	00@8 00
Lily of the Valley.....	1	00@3 00
Sweet Peas, per doz. bunches.....	50	@1 00
Adiantum Croweanum.....	15	@50
Asparagus Plumosus, doz. bchs.....	1	50@3 00
Smilax.....per doz. strings.....	1	00@1 25
Lilac.....per bunch.....	25	@50c
Stocks.....per bunch.....	30c	@50c
Snapdragons.....per doz.....	75c	@2 50

roses and are also marketing good quantities of new dark pink roses, Richmond, Aaron Ward and Lady Hillingdon.

Mann Bros. of Randolph have some Spanish iris on the market this week, and say that the supply is coming along well. Lilies, tulips and other bulb products are also flourishing.

William H. Welchans, manager of the Flower Growers' Sales Co., is handling the products of William Sim of Cliftondale, the big prize winning grower of sweet peas and pansies.

Penn's establishment furnished the flowers last week for decorative purposes at the Masonic Temple, on the days when the State Consistory was in session, and for the banquet.

B.

MILWAUKEE, WIS.—James Chacona, well known florist of 87 Wisconsin street, has leased the Belvidere block for 50 years at a ground rental of approximately \$600,000. Improvements costing \$100,000 will be made. The first floor will be used for store purposes and the rest of the building will be converted into an up-to-date hotel. There will be 250 rooms in the hotel.

LETHBRIDGE, ALTA.—Frache Bros. have completed 40,000 square feet of greenhouse glass, all new, 1½ miles from the city. The buildings are opposite City park. The firm will open a city store in July. In addition to flowers they grow lettuce and tomatoes extensively and will handle seed at the store. The firm has a prosperous establishment at Columbia, B. C., and will doubtless make a success of the enterprise here.



HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St., NEW YORK.
CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Geo. C. Siebrecht

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109 West 28th St., NEW YORK

Tel. 608 and 609 Madison Square

CONSIGNMENTS SOLICITED

Guttman Flower Growers Co.

A. J. GUTTMAN, President.

Wholesale Florists

Removed to 102 W. 28th St., New York

Phone 1912 and 7983 Madison Square.

18 Years Experience.

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

CENTRALIA, WASH.—E. T. Barnes, who has extensive dahlia and gladiolus gardens in Spencer, Ind., has leased a tract of land here, where he will establish a western branch.

IF IT'S SUPPLIES, RICE'S PRICES ARE RIGHT.

M. RICE CO.,

1220 Race St., Philadelphia, Pa.

Clean Sphagnum Moss

10 Burlap Bales \$13.50
10 Wired Bales (large) 11.00

Write for Carload Prices.

Vaughan's Seed Store
CHICAGO

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

BRISTOL, TENN.—The Fairmount Gardens report a 50 per cent increase over the Easter sales of any previous year. Stock was in splendid condition, especially the Easter lilies which sold readily.

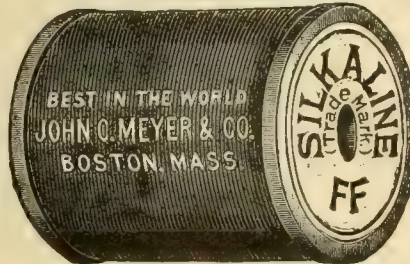
HATTIESBURG, MISS.—The Hattiesburg Floral Nursery has been purchased by the city which will furnish cut flowers to the public under the style of Park Greenhouses. I. Kling, proprietor, has been retained to manage the business.

WAUKEGAN, ILL.—Easter sales were about the same as in 1912, prices being no better. The supply of plants and flowers was equal to the demand. Hyacinths, tulips, cinerarias and cyclamens were popular. There was little call for genistas or azaleas. Carnations, tulips, narcissi and lilies sold well.

LAWRENCE, KANS.—A. Whitcomb & Co. report Easter sales as about the same as last year with prices practically the same also. Easter lilies were very scarce. Geraniums sold well. Home-grown cut flowers were not equal to the demand. All plants sold readily and roses, carnations and daffodils moved the best of the cut stock. The early Easter compelled the florists to wrap stock. Church decorations helped out considerably.

GRAND RAPIDS, MICH.—Business generally was about the same as last year, according to the Crabb & Hunter Floral Co. Prices were but slightly above normal and this greatly stimulated sales. The supply of plants and cut flowers was ample. Lilies and azaleas were most in demand of the plants. Hyacinths singly and in pairs were also popular. In the cut flowers, lilies, roses, violets, carnations, narcissi and tulips sold in the order named. Made-up baskets of plants sold well. The blizzard on Good Friday kept everybody inside and the loss to the florists was no doubt considerable.

Do Not Take Any Fake Green Thread. Use the Genuine Silkline and Get More Thread and Less Wood.



JOHN C. MEYER THREAD CO.,

Silkline also is made in all leading colors, as Violet for bunching violets, and also for tying fancy boxes

The MEYER Green

SILKALINE

Used by Retail Florists for mossing funeral designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it will not fade or rot in the greenhouse. The Meyer Silkline was the first green thread to be introduced among Florists and Growers. It is handled by the best houses everywhere, but it should be ordered by name—Meyer's Silkline—to be sure of getting the genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the manufacturers. Price for any size or color, \$1.25 per lb. Sizes "F" fine, "FF" medium, and "FFF" coarse

Lowell Thread Mills, 1495 Middlesex St., Lowell, Mass.

FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100: \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

We are now filling orders for

Southern Wild Smilax

Price, \$3.00 per case

E. A. BEAVEN, Evergreen, Ala.

Mention the American Florist when writing

Nothing Can Improve on Nature

1886 1913

Southern Wild Smilax in limited quantities, in the standard sixteen cubic foot cases, \$3.00 per case.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN, ALABAMA.

MOSS

We have a surplus of 12 barrel bale New Jersey Moss, clean, fresh and burlapped, and will deliver anywhere in Chicago, express prepaid, at \$5.00 per bale. 2 or more bales at \$4.75. By freight collect at 25c per bale less. Satisfaction guaranteed or money refunded.

KLEHMS' NURSERIES, Arlington Heights, Ill.

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO.,
Chicago, U. S. A.

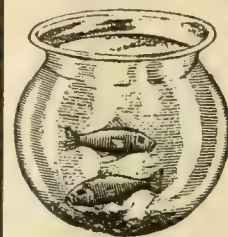
Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.

Published and For Sale by the

American Florist Co., 440 S. Dearborn St. CHICAGO
PRICE, ONE DOLLAR, POSTPAID.

GOLDFISH



"Something Alive in the Window"

Catches the public eye.

Order your supply now.
\$3.00 per 100 and up.

Write for catalog.

AUBURNDALE GOLDFISH CO.
920 W. Randolph Street, CHICAGO

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

GREAT BRITAIN

WILLS & SEGAR,

Royal Exotic Nursery,

onslow Crescent, S. Kensington, London

FLORISTS TO HIS MAJESTY THE KING.

We shall be glad to carry out commissions from our American confreres to deliver Cut Flowers, Floral Baskets, Floral Designs, Baskets of Choice Fruit, Etc. to American visitors in any part of Great Britain.

Cablegrams — "FLOSCULO, LONDON."

DULUTH, MINN.

2 STORES 2

SUPERIOR, WIS.

J. J. LEBORIOUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave.. Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.
Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Terre Haute, Ind.

John G. Heimpl & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Mention the American Florist when writing

Chicago.

A. LANGE,

25 E. MADISON ST.

Mention the American Florist when writing

Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.

Mention the American Florist when writing

STEAMSHIP SAILINGS.

FROM NEW YORK EXCEPT AS NOTED.

May 7.

Arabic, White Star, 11 a. m.
FROM BALTIMORE, Breslau, North Ger.-Lloyd,
2 p. m.

May 8.

La Lorraine, French, 10 a. m.
Vultorno, Uranium.
Cedric, White Star, 12 noon.
Bremen, North Ger.-Lloyd, 10 a. m.
Oscar II, Scand.-American, 2 p. m.

May 9.

Philadelphia, American, 10 a. m., Pier 62,
North River.
FROM PHILADELPHIA, Menominee, 10 a. m.

May 10.

California, Anchor, 10 a. m., Pier 64, North
River.

Carmania, Cunard.
FROM MONTREAL, Ansonia, Cunard.
Carpathia, Cunard.

Chicago, French, 3 p. m.
FROM PHILADELPHIA, Haverford, American,
10 a. m.

Kronland, Red Star, 10 a. m., Pier 61, North
River.

Majestic, White Star, 12 noon.
FROM MONTREAL, Laurentic, White Star-Dom.
Verona, Navigazione, Pier 74, North River.

Berlin, North Ger.-Lloyd, 11 a. m.
Prinz-Friedrich-Wilhelm, North Ger.-Lloyd,
10 a. m.

Alice, Austro-American, 1 p. m.
Hyanthos, Houston.
Satsuma, Barber.

May 13.

FROM BOSTON, Franconia, Cunard.
FROM PHILADELPHIA, Prinz Adalbert, Ham-
Amer., 11 a. m.

Noordam, Holland-America, 10 a. m.
Kronprinzessin Cecilie, North Ger.-Lloyd, 10 a. m.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL,
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Mention the American Florist when writing

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87 Madison Avenue

L. D. Phone 726

All orders filled carefully and promptly delivered in Memphis and all the adjoining states. Arkansas, Mississippi, Alabama and Tennessee.

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Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

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The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

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DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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Established 1874.

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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

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We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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WILLIAM L. ROCK Flower Co.

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.
Members Florists' Telegraph Delivery.

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W. J. Palmer & Son, 304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40
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Careful Attention To All Orders.

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Omaha, Neb.

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1415 Farnum St.

TELEPHONES
1501 and L 1582

Name Index to Retail Florists
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Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
California Florists, Tacoma, Wash.
Carbone, Philip L., Boston.
Clark's Sons, New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Haisch's, Memphis, Tenn.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Keller Sons, J. B., Rochester, N. Y.
Kellorg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthewson, J. E., Sheboygan, Wis.
May & Co., L. L., St. Paul, Minn.
McClunie, Geo. G., Hartford, Conn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Nicholas, John S., New York.
Ostertag Bros., St. Louis.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pelicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Phillips Bros., Newark, N. J.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Portland Flower Store, Portland, Me.
Rock Flower Co., Wm. L., Kansas City.
Snakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Wills & Segar, London, England.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
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Corner Broadway and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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All Orders Given Prompt and Careful Attention

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1725 Chestnut St.

Personal Attention to all Orders.

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Largest Floral Establishment in America.

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Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE

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Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

FLOWER COLORS

Use our Color Chart in describing them.

PRICE, \$1.00, POSTPAID.

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440 South Dearborn Street, CHICAGO

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Send flower orders for delivery in

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Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

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Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Penn, the Florist, 43 Bromfield St.
Boston—Phillip L. Carbone.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Hartford, Conn.—Geo. G. McClunie.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
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Los Angeles—Wolfskill Bros. & M. Goldenson.
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Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio.—Chas. A. Duerr.
Newark, N. J.—Phillips Bros.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—John S. Nicholas.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
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Poughkeepsie, N. Y.—The Saltford Flower Shop.
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Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
Sheboygan, Wis.—J. E. Matthewson.
St. Louis, Mo.—Ostertag Bros.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellcano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Heintz & Son.
Tacoma, Wash.—California Florists.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Blackstone.
Washington—Geo. H. Cooke, Conn. Ave. and L.
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Prompt and careful attention to orders from out-of-town florists.

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Prompt and careful attention to orders from out-of-town florists. Trade discount.

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**The Cleveland Cut
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Will fill your orders for designs and cut flowers in

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St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.

Jefferson and Washington Ave.

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Flowers or Design Work.

Delivered in Albany and vicinity on
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Canada's best known and most reliable florist

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We deliver anywhere in Canada and guarantee
safe arrival.

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C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

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Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

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ALFRED HANNAH & SONS Will fill your
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Send your orders for Chicago and Suburbs to



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Rochester Phone 506. Long Dist. Bell Phone 2189
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The Largest Growers of Flowers in City.

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PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

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Both Phones, 527.

Special attention to Mail and Telegraph Orders

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L.W. McCOY, Florist

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Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

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Geny Bros. LEADING FLORISTS

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NASHVILLE, TENN.

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MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

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NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

In the Heart of New York

NEW FLOWER AND FRUIT STORE

JOHN S. NICHOLAS

42nd St. and Park Avenue
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The Old Established High Class Florist

Has opened a magnificent flower and fruit establishment on the Forty-second street side of the New Grand Central Terminal Station, New York City. The facilities of this store for the satisfactory execution of mail, telephone and telegraphic trade orders at steamers, and elsewhere in New York City and its suburbs are unsurpassed.

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Florist and Decorator

342 Boylston Street,

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PHILIPS BROS, 938 Broad St.

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Artistic Floral Work and Long Stem
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Connecticut Avenue and L Street

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Order Your Flowers for delivery
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LEADING FLORISTS OF THE NORTHWEST.

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S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
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60 KEARNEY STREET

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Tacoma, Wash.

California Florists

will take care of all telegraphic orders.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

Louisville, Ky.

F. Walker & Co.,
FLORISTS

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
CANAL ST.

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Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries
throughout the state and to all steamship docks
in Hoboken, N. J., and New York.

For Wisconsin Delivery

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"HOME GROWN FLOWERS"

Get in touch with

J. E. Matthewson
SHEBOYGAN, WISCONSIN

Portland, Maine.

**Floral Designs and
Choice Cut Flowers**

Portland Flower Store

631 Congress St.

Newark, Ohio.

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

Rockford, Ill.

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Member of the Florists' Telegraph Delivery.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

VISITED CHICAGO: H. A. Naldrett, representing Kelway & Son, Langport, Eng.

THE garden seed business of the country for the spring of 1913 is well on its way to the end.

ST. LOUIS, Mo.—D. I. Bushnell of the D. I. Bushnell Co. will sail from New York for Europe about May 4.

THE death of Frank Emerson at Mercedes, Tex., April 23, is recorded in our obituary column this week.

CABLE advices of April 30 indicate that early sales of French white Roman hyacinths are being made by growers at advanced prices.

ENGLISH papers are calling attention to the scarcity of seed potatoes in that country and the greatly increased imports of the tubers this season.

J. E. NORTHRUP and party left Chicago for Minneapolis last week, although his condition was not much improved. Mr. Northrup was taken to his home, where he has gained somewhat.

A DRASTIC and highly objectionable Seed Bill, House No. 534, has been introduced in the Illinois legislature. It is said to be almost identical with the recent Wisconsin bill, which was drawn up as a result of an investigation by a legislative committee and is very radical.

WAKEMAN, O.—C. S. Clark reports having done the largest business on all of the different varieties of seed corn, especially field corn, that he has ever done. He has shipped twice as many carloads during the month of April as he shipped one year ago. He has been averaging three carloads per day, and the end is not yet.

RECENT reports on the French bulb crop indicate that late rains should supply sufficient moisture to give an average crop of the various sizes of Paper White narcissus. The general dryness of the winter is thought not to have affected the Roman hyacinths as much as some of the growers have predicted, it being conceded that Roman hyacinth bulbs do not require so much moisture as most other kinds. The action of the growers' syndicate on May 3 is awaited with interest by all of the trade both in Europe and America.

Iowa Weights and Measures Law.

The Iowa legislature has passed a new weights and measures law to take effect immediately. The state dairy and food commissioner is charged with the duty of carrying out the provisions of the act, and is given power to appoint a chief inspector of weights and measures. It is provided that boxes for the sale of berries, onion sets, etc., must hold at least one quart, pint, or half pint, dry measure. Boxes which do not fulfill the provisions are to be confiscated. This part of the law is not to take effect until October 1, 1913.

Tariff Reductions.

Proposed reductions in the tariff affecting horticulture seem to be as follows:

Nursery cuttings and seedlings, from 25 per cent to 15 per cent.

Fresh vegetables, from 25 per cent to 15 per cent.

Beans, from 45 per cent to 25 per cent.

Chinese Narcissus.

Amoy, China.—Weather conditions March 19 indicated that a full crop of Chinese narcissus would be gathered. Local use of these bulbs has decreased, hence last year's surplus and low prices. The bulbs now about to be harvested will likely make as large a crop as last year's but the 1914 crop will be smaller and price probably more nearly on a level with that of 1911.

Alfalfa Weevil Parasite.

Washington, D. C., April 22.—Parasites which will destroy the weevil that preys on the alfalfa crops of the west have been discovered in Italy by W. R. Thompson, representative of the United States bureau of entomology in that country. He has just notified Dr. L. O. Howard, chief of the bureau, that a shipment of these parasites is on the way from Europe.

Idaho Alfalfa Seed Case.

United States Senator James H. Brady has entered into the fight the state is to make through the attorney general's office and the state horticultural department to secure an accounting with the seed firm of Rosenberg & Lieberman, of Madison, Wis., claimed by the horticultural department to have misused the mails by sending literature broadcast over the country branding Idaho alfalfa seed as infected with weevil and at the same time disposing of the same seed under a Montana brand. The legal battle that is to be waged in this case promises to cause a genuine sensation.

The horticultural department discovered facts that led it to believe a reaction had set in prejudicial to Idaho seed. A quiet investigation was conducted and it is alleged that it was discovered Rosenberg & Lieberman had flooded the mails with literature branding this state's alfalfa seed.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

BRASLAN SEED GROWERS COMPANY, INC.

ONION, LETTUCE, CARROT and RADISH SEED

San Jose, California

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers

SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS

It is also alleged to have been discovered that these people have bought up a large amount of Idaho alfalfa seed and, labeling it Montana seed, were disposing of it. Sears & Seabel, seed dealers of Chicago, who handle Idaho seed, found that something was preventing the sale of the Idaho product. Complaint was made to the federal officials and the probe has now been carried to Senator Brady at Washington.

A telegram was received from Senator Brady by State Horticultural Inspector McPherson relative to the matter. It is as follows: "H. G. Sears and John H. Seabel are here and have discussed with me the action of Rosenberg & Lieberman relative to Idaho alfalfa seed. I think it is a matter that should be looked into thoroughly and if these parties have wilfully misrepresented our state it should be called to the attention of the post office department at once."

State Horticultural Inspector McPherson wired a reply as follows: "Attorney general's office has taken the matter of Rosenberg & Lieberman up with post office federal authorities at Minneapolis. Attorney general also securing the affidavits from parties from whom seed was purchased by Rosenberg & Lieberman. Will advise later regarding same."—Boise Evening Capital News.

Breck to Represent Massachusetts.

Governor Foss has appointed Luther Adams Breck a delegate from the commonwealth of Massachusetts to the Southern Commercial Congress during its forthcoming session at the International Institute of Agriculture

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE.

Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

PEAS, BEANS, CUCUMBER

Growers for the Trade.

Ask for our growing prices for crop 1913 Peas, Beans and Cucumber Seed.

Also for prices for immediate shipment.

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

in Rome, Italy. Mr. Breck is a Harvard man and of the fourth generation of his name in the old house of Joseph Breck & Sons. At present he, with his family, are in the South of France, having reached there in the course of a somewhat extended tour of information through Europe and the British Isles in the interest of horticulture and agriculture. Mr. Breck will join the commission, which sailed April 26 on the Saxonia from April 26 on the Saxonia from New York, at Rome.

California Outlook Serious.

Palo Alto, April 26.—The outlook for seed crops could not be much more unfavorable. This year will show the shortest harvest ever experienced in the history of seed growing in California. The rainfall in the principal seed growing district of the state, viz., Santa Clara and San Benito counties, averages less than 6 inches where the normal is around 15 inches and little or no rain can be expected after this date. Another important factor is that there was only 60 per cent of the normal rainfall in 1912, thus leaving the soil impoverished of water. We had an unusually cold, windy winter and most of the crops are a poor stand. Onion, which stools during winter when conditions are favorable, has this season made a poor growth and the plants have far less shoots than usual.

The acreage of onion is only about 60 per cent of last year but on the other hand there is considerable carried over, and this seed will in our opinion be of better germination than the present crop, as a dry season usually makes light seed. We do not think onions will average over 30 per cent of a crop and with the carry-over we may have available this year 50 per cent of the amount harvested last autumn. We have growing for seed about 1,000 acres, over an area of 100 miles in Santa Clara, San Benito and Santa Cruz counties, which are representative of the principal seed crops of California.

Some irrigation is being done, but only in a limited way, as it is not practical to irrigate all crops and none of the growers are in a position to do so. Most of the irrigation is confined to onion.

Lettuce is a very poor stand in general and late, and we do not think there is a possibility of over 25 per cent of a crop.

Radish will also be very short and we doubt whether it will average over 20 per cent.

Sweet peas will be a poorer crop than last year, and that was bad enough, the average being only about 15 per cent of a crop.

We have just had a week of unusually hot weather which has taken the moisture from the already dry soil and crops will surely go back from now on. Altogether the outlook is most unfavorable and we venture to assert that those growers who sold the government large lots of seed at exceedingly low prices are now wishing that they had retained them against the shortage which is bound to exist the coming autumn.

W.

PORT CLINTON, O.—W. S. Woner has contracted to raise 300,000 tomato plants for a large canning company. He is building three additional greenhouses.

BEANS, PEAS, RADISH and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Mention the American Florist when writing

Tuberose

DWARF DOUBLE PEARL

\$12.00 per 1000

Excellent Quality.

Lily of the Valley Pips

Cold Storage Berlin and Hamburg.

Per case of 1,000.....\$12.00

Per case of 3,000.....\$32.00

Write for a copy of our Florists' catalog.

J. M. Thorburn & Co

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33 Barclay St. (T12) New York, N. Y.

TOMATO SEED

Best Stocks. All Varieties.

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Growers for the Wholesale Trade Only.

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Contract Growers of
High Grade SeedsCucumber, Melon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

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Seed Merchants to His Majesty the King of Italy
SAN GIOVANNI A TEDESCO, near NaplesHeadquarters for CAULIFLOWER and WHITE
TRIPOLI ONION SEED, (Crystal Wax), and
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THE LARGEST GROWERS IN ITALY.

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PHILADELPHIA

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and Market Gardeners.

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ROSES, CARNATIONS,

PLANTS, SEED, BULBS.

Send us your wants. We will take care of them.
We supply stock at market price. Catalogue for the asking.

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Purveyor to the Royal family of Italy.

SEAFATI (near Pompeii) ITALY.

NOVELTY FLOWER SEEDS—BULB AND PLANT
PRODUCTIONS.PETUNIA, PANSY, CINERARIA, and a great
variety of other seeds. Write for price list and
send orders to V. SHAKETAM, 50 West 30th
Street, NEW YORK, agent and representative
for the United States.

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Blanche, Ceres, Mrs. Beecher,
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Brenchleyensis, Shakespeare.
Lilies, Madeira Vines and other
Bulbs and Hardy Plants.

E. S. MILLER, WADING RIVER, N. Y.

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Am. Seed Trade Association

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Best that grow. We sell direct
to gardeners and florists at whole-
sale. Big, beautiful catalogue
free. Write today.

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ROSES

Best new and Standard sorts, prime stock, including—

	2½-in.	4-in.
American Beauty.....	Doz. 100 1000	100
Blumenschmidt.....	Tea. \$0.50 \$3.00 \$27.50	
Bon Silene.....	.50 3.00 25.00	12.00
Bougere.....	.50 3.00 25.00	
Duchesse de Brabant.....	.50 3.00 25.00	10.00
Etoile de Lyon.....	.50 3.00 27.50	10.00
Frieherr van Marschall.....	.50 3.50 30.00	10.00
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Mlle. Franzisca Kruger.....	.50 3.00 25.00	
Maman Cochet.....	.50 3.00 27.50	10.00
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Snowflake.....	.50 3.00 25.00	
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Mignonette.....	.50 3.00 25.00	
Pink Souper.....	.50 3.00 25.00	
Anny Muller.....	.50 3.00 27.50	
Jeanne d'Arc.....	.50 3.50 30.00	12.00
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Bessie Brown.....	H. T. 50 3.00 27.50	
Mme. Abel Chateauf.....	.50 3.50 30.00	
Mme. Jenny Guillemot.....	.85 6.00 50.00	
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Gen. Jacqueminot.....		10.00
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Graf Zeppelin.....	.60 4.00 35.00	12.00
Lady Gay.....	.50 3.00 25.00	
Phil'a Cr. Rambler.....	.50 3.00 25.00	10.00
Tausendschoen.....	.50 3.00 25.00	10.00
White Dorothy.....	.50 3.50 30.00	10.00
Wichuraiana.....	Mem'l 50 3.50 30.00	10.00
Mary Washington.....	Cl. 50 3.00 25.00	10.00
Marechal Niel.....	.60 3.50 30.00	15.00

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SPRINGFIELD-OHIO

Wanted.

10 Green Century Plants

2 1-2 ft. Spread

Vaughan's Greenhouses, Western Springs, Illinois.

100,000 CANNAS

Best Named Varieties. Write for Prices.

F. F. SCHEEL,
Shermerville, - Illinois.

Mention the American Florist when writing

Boston Ferns, 2½ in., \$3.00 per 100;
\$30.00 per 1000.
Roosevelt Ferns, 2½ in., \$5.00 per 100;
\$40.00 per 1000.
Whitman Compacta, 2½ in., \$5.00 per
100; \$40.00 per 1000.
250 at 1000 rates.

HENRY H. BARROWS & SON, WHITMAN,
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J. E. MEREDITH, PRES. C. W. STOUT, Sec'y

The Meredith Flower
and Vegetable Co.

LIBERTYVILLE :: ILLINOIS

40,000 Grafted and Own Root Rose Plants

Grafted Stock: Richmond, White Killarney, Pink Killarney, Kaiserin, 2½-in pots. Price, \$10.00 per 100; \$95 per 1000. Ready NOW.
3-inch pots, \$15.00 per 100; \$145.00 per 1000. Ready last of April.

Own-Root Stock: My Maryland, Pink Killarney, White Killarney, Richmond, Kaiserin, Perles. 2½-in. pots. Price \$5.00 per 100; \$45.50 per 1000. Ready in April. 3-in. pots, Price \$7.00 per 100; \$60.00 per 1000. Ready in May.

CARNATION CUTTINGS: Price, \$3.00 per 100, 2½-in. pots, \$6.00 per 1000.

J. L. DILLON,
BLOOMSBURG, - PA.

SPRING BEDDING AND BASKET PLANTS

Asparagus Sprengeri, 2½-in., \$3.00 per 100, \$25.00 per 1000.
Begonia Prima Donna, (Best Pink) \$2.50 per 100, \$22.00 per 1000.
Begonia Gracilis Luminosa (Scarlet), \$2.50 per 100, \$22.00 per 1000.
Cobea Scandens, 2½-in., \$4.00 per 100; 3-in., \$7.00 per 100.
Centaura Gymnocarpa (Dusty Miller), \$3.00 per 100.
Dracaena Indivisa, 5-in., \$20.00 per 100; 6-in., \$30.00 per 100.
Geranium, Mad. Salleri, \$2.50 per 100.
Ivy, English, 4-in., strong, \$12.00 per 100.
Lobelia speciosa and Compacta, \$2.50 per 100.
Petunia, Giant Ruffled, \$2.50 per 100.
Salvia, Bonfire, King of Carpets and Zurich, \$2.50 per 100.
Vinca Variegata, 3-in., \$6.00 per 100.

The Storrs & Harrison Co., Painesville, Ohio

VINCAS Variegata



2-inch, very fine stock,
\$2.00 per 100; \$18.00 per
1000. 3-inch \$5.00 per 100.
FUCHIAS, elegant stock,
3-inch at 6 cents.

ROOTED CUTTINGS

California & Alexandra
daisies, \$1.00 per 100; \$8.00
per 1000. Mrs. Sanders
daisies, \$1.25 per 100;
\$10.00 per 1000. Ageratum,
60c per 100; \$5.00
per 1000. PANSIES—
Romer's prize winners,
(Germany) elegant stock,
some in bloom, 50c per 100; \$4.00 per 1000.

Express prepaid on all rooted cuttings.

C. HUMFELD,

The Rooted Cutting Specialist, Clay Center, Kan.

500 VERBENAS

2-INCH, IN BLOOM AND BUD

For \$8.00

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ACT QUICK

GERANIUMS

Mme. Salleri, Extra Heavy, 2-in., \$22.00 per 1000,

CASH WITH ORDER.

Peter Pearson,

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Phone Irving 954.

Dracaenas

They are free from brown tips. A trial order
will convince you of their quality.

6 in. 40 in. high, 40 or more leaves... \$30.00 per 100
5 in. 25.00 per 100
4 in. 15.00 per 100
Asparagus Hatcherii, 2½-in. 5.00 per 100
" " Seedling..... 12.00 per 1000
" " Seeds 6.00 per 1000

Send for list of Mums and Pompons.
They are sure to please.

West Main Greenhouses

CORFU, N. Y.

CHRYSANTHEMUMS

ROOTED CUTTINGS

Chrysaleria, \$3.00 per 100; \$25.00 per
1000. 500 at 1000 rate. Also the follow-
ing at \$2.00 per 100; \$15.00 per 1000, cash:
Yellow, Donatello, Appleton, Golden
Wedding, Golden Glow, Yellow Bonna-
fon, White Oct. Frost, Touset, White
Eaton, Robinson, Roseire, Polly Rose,
Buckbee, White Bonnaffon, Pink Engue-
hard. All above Rooted Cuttings. Fine
Heathy Stock.

JOY FLORAL COMPANY,
NASHVILLE, TENN.

SURE TO PLEASE.

Hardy English Ivy, large leaf, mostly 3 plants to
the pot, 20 inches long, out of pots \$5.00 per 100.
Small Leaf English Ivy, mostly 3 plants to the
pot, out of 3 inch pots, \$5.00 per 100.
Clematis Paniculata, true to name. Out of 2 inch
pots, \$2.00 per 100. Out of 2½-inch pots, \$3.00
per 100. Out of 3-inch pots, strong, \$5.00 per 100.
All goods travel at purchaser's risk.

Cash with Order please.
SAMUEL V. SMITH,
3323 Goodman Street, PHILADELPHIA, PA.

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.

F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

KENTIAS.

Joseph Heacock Co.,

Wyncote, Pa.

See Price List of Last Week

WE GROW PLANTS

Geraniums and other Bedding plants in quantities and now have a large stock ready in splendid shape, for immediate shipment. Special price for large lots.

	2-in.	3-in.
Geraniums, Standard and Ivy Leaved	100	100
Varieties.....	\$2.00	\$3.00
Mt. of Snow and Mrs. Pollock.....	3.00	
Scented, Nutmeg, Lemon, etc.....	2.00	3.00
Pansy Geraniums, Mary Washington,		
Mrs. Laval.....	2.00	3.00
Lantanas, 10 Varieties.....	2.00	3.00
Lemon Verbena, Aloysia Citrodora.....	2.00	3.00
Lobelia, Kathleen Mallard and Crystal		
Palace Gem.....	2.00	
Moonvines, Noctiflora and Leari.....	2.00	3.00
Salvia, Bonfire and Zurich.....	2.00	3.00
Parlor Ivy, Senecio Scandens.....	2.00	3.00
Swainsona, Alba, and Rosea.....	2.00	3.00
Hardy Phlox, 20 varieties.....	2.00	3.00
Smilax.....	2.00	
Fuchsias, Rozain Bouchardat collection, one plant		
each, one hundred varieties, \$10.00; 2 collection, \$15.00.		
Smilax Seedlings, 75c. per 100, \$6.00 per 1000.		

Cash with Order.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

Mention the American Florist when writing

CARNATIONS

From 2-in. Pots

Rosette.....	\$6.00	per 100
White Perfection.....	3.00	per 100
White Enchantress.....	3.00	per 100
St. Nicholas.....	6.00	per 100
Scarlet Glow.....	3.00	per 100
Benora.....	6.00	per 100

F. DORNER & SONS CO.
LA FAYETTE, IND.

KAISERIN

Large 2 and 3-year old bench plants in dormant condition. Ready to startup.

\$10.00 per 100.

Bassett & Washburn,

Store, 131 North Wabash Ave.,

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Greenhouses at HINSDALE, ILL.

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SEND TO **GEO. A. KUHLE**, Pekin, Ill., Wholesale Grower to the Trade, for his list of Soft Wooded Plants, Fern List, Roses, Chrysanthemums, Cannas, Caladiums, Blooming Plants, and Miscellaneous Stock, Etc.

Geo. A. Kuhl,
PEKIN, ILLINOIS.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my Specialty

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N Y

SEASONABLE BULBS**GLADIOLUS**

Of several leading kinds we can supply planting stock, white bulbs under one inch and small black bulblets by the bushel. Per 1000

MRS. FRANCIS KING,

Medium size..... \$15.00

AUGUSTA, Medium..... 13.00

AMERICA, First Size (3000 for \$66.00)..... 25.00

AMERICA, Medium Size..... 20.00

KUNDERDI GLORY, Firsts..... 40.00

CHICAGO WHITE,..... 50.00

PRINCEPS,..... 90.00

SHAKESPEARE,..... 38.00

FLORISTS' MIXTURE, (Light Colors)..... 15.00

BEGONIAS

(Tuberous Rooted Giant Flowering Varieties)

Singles, in Colors, white, scarlet, yellow, pink, Doz. 40c.; 100, \$2.50; 1000, \$22.00.

Singles, Mixed Colors, Doz. 35c; 100, \$2.25; 1000, \$20.00.

Doubles, white, scarlet, yellow, pink, Doz. 65c; 100, \$4.50; 1000, \$40.00.

Doubles, Mixed Colors, Doz. 60c; 100, \$4.00; 1000, \$37.00.

LILY BULBS

Per 1000

Album, 9-11 inch..... \$12.50

Auratum, 9-11 inch..... 10.00

Rubrum, 8-9 inch..... 6.00

Rubrum, 9 11 inch..... 9.00

TUBEROSES

TRUE DWARF PEARL.

(Not in Storage)

Mammoth, 6-8 inch..... Per 1000 \$15.00

First Size, 4-6 inch..... 10.00

Medium Size, 3-4 inch..... 4.50

CALADIUMS

	Per 100	Per 1000
5 to 7 inch.....	\$1.80	\$15.00
7 to 9 inch.....	3.50	30.00
9 to 11 inch.....	5.50	55.00

LILIES**COLD STORAGE**

Lil. Giganteum	Per Case
7-9 inch (300 bulbs to case).....	\$18.00
8-10 inch (225 bulbs to case).....	15.75
9-10 inch (200 bulbs to case).....	17.00

Lillium Rubrum

	Per Case
8-9 inch (170 bulbs to case).....	\$10.00
9-11 inch (100 bulbs to case).....	8.00

Write for Our Spring
"Book for Florists"



Caladium Esculentum.

Vaughan's Seed Store
CHICAGO NEW YORK

Market Gardeners

Vegetable Growers' Association
of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

Prices of Indoor Fruits and and Vegetables.

Chicago, April 28.—Mushrooms, 20 cents to 50 cents per pound; lettuce 35 cents, small cases; radishes, 20 cents to 60 cents per dozen bunches; pieplant, 60 cents to 75 cents per box; cucumbers, \$1.00 to \$2.75 per box of two dozen; asparagus, \$1.00 to \$2.25 for 24 bunches.

New York, April 26.—Cucumbers, 60 cents to \$1.25 per dozen; mushrooms, 50 cents to \$1.75 per 4-pound basket; tomatoes, 15 cents to 25 cents per pound; radishes, \$1.50 to \$2.00 per 100 bunches; mint, \$1.50 to \$2.00 per 100 bunches; rhubarb, 20 cents to 35 cents per dozen bunches; lettuce, 25 cents to 40 cents per dozen.

Tomato Variations.

Bulletin No. 173, a valuable treatise on "Tomato Variations Induced by Culture" by Thos. H. White, has been issued by the Maryland Agricultural Experiment Station. The effects of excessive amounts of nitrogen, phosphoric acid and potash and the effects of dried blood, dissolved phosphate rock, sulphate of potash and iron filings as well as of temperature, pruning and cross-pollination of well fed and starved plants, were noted. The plants growing on the complete fertilizers made a strong, vigorous growth. The same effect was obtained with dried blood, but the fruit was decidedly darker in color. The plants were lighter where dissolved phosphate rock was used and the fruit ripened earlier. No marked general variations were noted in the temperature test, although the experiments will be continued. A great increase in size resulted where pruning was resorted to.

Vegetable Plants.

CABBAGE—Wakefield, Succession, Early and Late Flat Dutch, Surehead, All Head, Danish Ball Head, etc., at 20c per 100, 500 for 75c, \$1.00 per 1000; 10,000 and over, 85c per 1000.

LETTUCE—Grand Rapids, Big Boston, Boston Market, and Tennis Ball, 20c per 100, 500 for 75c, \$1.00 per 1000.

BEET—Eclipse, Crosby, and Egyptian, 25c per 100, 500 for \$1.00, \$1.25 per 1000.

CELERY—Golden Self Blanching, 40c per 100; \$2.50 per 1000.

TOMATO PLANTS—Will be ready about May 25. Send for Catalogue. Cash with Order.

R. VINCENT, JR., & SONS CO., WHITE MARSH, MD.

Gladiolus.

	100	1000
America, pink.....	\$3 00	\$25 00
Brenchleyensis.....	1 40	12 00

PYRAMID BOX TREES.

3 foot, well shaped.....Each, \$2.50
3½ foot, well shaped.....Each, 3.50

A. Henderson & Co.,

352 N. Michigan Ave., CHICAGO

Our New Crimson Carnation PRINCESS DAGMAR

WAS AWARDED

Silver Medal, at the Massachusetts Horticultural Society, Boston, November, 1912.

At the International Flower Show, New York, April, 1913,

First for best 100 crimson.

Gold Medal for 12 largest blooms.

Silver Medal, Perpetual Flowering Carnation Society, England.

Bronze Medal, American Carnation Society.

Preliminary certificate for Fred Dorner Memorial Medal.

At the Chicago Horticultural Society, April, 1913,

Bronze Medal, First, best seedling not disseminated, any other color.

At the Boston Co-operative Flower Market Show, April, 1913,

First for 50 best seedlings not disseminated.

First for 100 best carnations, any color.

PATTEN & CO., Tewksbury, Mass.

CLEAN, HEALTHY, STRONG ROSE STOCK

	From 2½-inch pots.	Per 100	Per 1000
Prince de Bulgarie.....		\$6.00	\$50.00
Richmond.....		5.00	40.00
Pink Killarney.....		4.00	35.00
White Killarney.....		4.00	35.00
Radiance (Limited supply).....		5.00	
Madison (Limited supply).....		5.00	

We are entirely cleaned out of Young Beauties, having disposed of our surplus Beauty plants to a local grower who unhesitatingly pronounced our plants the best seen in our locality—so if you want some nice strong plants with quality combined, DON'T OVERLOOK THIS ADV.

J. A. BUDLONG, 82 East Randolph Street,
CHICAGO, ILL.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Carnations, Cinerarias, Glorinas, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.



Watch for our Trade Mark stamped
on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

BOXWOOD

For Sizes, Prices and variety—see our
Display Adv. in American Florist Apr. 12-19.

F. O. FRANZEN,
1476 Summerdale Avenue,
CHICAGO ILLINOIS.



New Giant Flowering Marshmallow.

AQUATIC PLANTS, WATER LILIES, NELUMBIUMS, VICTORIAS. Tender and Hardy Aquatics have been a special feature with us for nearly a quarter of a century. Over eight acres of artificial ponds are devoted to their culture, if we can assist you in making plans or selecting varieties. The services of our expert are at your disposal for the asking.



New Hybrid Perpetual Rose, George Arends.

Get them at Dreer's
**ALL SEASONABLE
 PLANTS, SEEDS, BULBS
 AND SUNDRIES.**

HARDY PERENNIALS. The most complete collection of varieties and the largest stock in the country. Our Perennial plants have a National reputation. We spare no expense to have them in the best possible shape for the planter. Such varieties that move better when pot grown are prepared in this shape. This does not mean little seedlings, but in the majority of cases the plants were field grown, were dug and potted during the fall and winter months and are of just the right size to give immediate results. They are not to be compared with so-called field clumps. Try them and be convinced.

**See Our Current Wholesale List
 for Varieties and Prices.**



Nymphaea.

ROSES FOR OUTDOOR PLANTING TO GIVE IMMEDIATE RESULTS. We have three hundred thousand 5 and 6-inch pots the usual Dreer stock and the style of plants your retail customers are looking for. These are all two-year field grown plants which have been potted during the winter months and which were stored in cold houses and frames and which are now in prime condition for out-door planting. The collection is the most up-to-date, including many new varieties not offered by anyone in the trade.

Hybrid Teas, Hybrid Perpetuals, Tea and Everblooming, Ramblers, Baby Ramblers, Moss Roses, Hybrid Sweet Briars, Austrian Briars, Wichuriana, etc., etc.

See Our Current Wholesale List for Varieties and Prices.

OUR CURRENT WHOLESALE LIST also describes the following, all of which are handled as specialties:

Decorative Palms, Palms, Ferns, Pandanus, Bay Trees, Boxwoods, Dracaenas, etc., etc.

Hardy Shrubs, Hardy Vines, Hardy Climbers, Rhododendrons, Azaleas, etc.

Bulbs: Dahlias, Tuberous Rooted Begonias, Gladiolus, Gloxinias, Fancy Leaved Caladiums, Cannas, etc., etc.

Henry A. Dreer, Inc.,

**714 Chestnut Street,
 PHILADELPHIA, PA.**

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

NOGALES, ARIZ.—B. W. Getsinger is establishing a nursery near here. F. G. Sheffer, a nursery expert, has charge of the work.

SPRINGFIELD, MASS. — The Brainard Floral and Nursery Co. has discontinued its cut flower business and changed its name to the Brainard Nursery and Seed Co.

BERLIN, MD.—Orlando Harrison, of Harrison's Nurseries, has purchased 3,000 acres in Surry county, Virginia, and will plant in apples. He is also negotiating for North Carolina real estate.

MADISON, WIS.—Less than 20 per cent of the nursery stock sold in this state is home grown, according to Prof. J. G. Sanders. A state nurserymen's association has been formed to push the Wisconsin nursery trade.

WESTERN SPRINGS, ILL.—Vaughan's nurseries are taking in heavy shipments of handsome evergreens, imported from Europe, in choice kinds which have proven to be absolutely hardy here during the past three seasons.

Seedless Grape Fruit.

Noting the article entitled, "Seedless Grape Fruit Next," in your issue of April 5, page 622, will say that the Marsh Seedless grape fruit is a practical reality, many thousands of trees having been set the past ten years in Florida and the West Indies. One of our neighbor's groves is simply loaded with them yet, as they hold on until very late in the season. The seeding varieties do not hold so late as the seeds sprout in the fruit and then it falls off the trees, but not so with the Marsh Seedless, which has no seeds to sprout.

REASONER BROS.

Pacific Coast Nurserymen.

The eleventh annual meeting of the Pacific Coast Association of Nurserymen will be held at Portland, Ore., June 17-20, in joint convention with the American Association of Nurserymen. The roster of the Pacific Coast association showed a membership of 272 at the last meeting. A standard for grading stock has been adopted and is now generally in use. The local committee, including M. McDonald, J. B. Pilkington, F. W. Powers and H. A. Lewis, are making preparations for the entertainment of visitors.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Spring Bulbs and Roots, Conifers, Pines.

English Ivy

4 ft. bushy, 4 inch pots.....\$15.00 per 100
4 and 5 ft. bushy, 4½ inch pots 20.00 per 100

Good value for window effect.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City: Carlton Hill station is the second stop on Main Line of Erie Railroad. :: ::

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

Select Stock for Spring

The best lot of stock in this line we have ever seen. Every live florist and landscape man can make good use of the following subjects, and we are sure there is no better quality in the country:

Azalea Mollis, 15 to 18-in., bushy and full of buds.....\$ 3.50 per 10. \$ 30.00 per 100
Ghent (Pontica). Named sorts, full of buds, 18 to 24-in..... 4.50 per 10. 40.00 per 100
Tree Roses, all hardy varieties, budded on straight stout stems.... 3.50 per 10. 30.00 per 100

NEW BABY RAMBLER ROSES, 2-yr., field grown—

Erna Teschendorff, the best red yet introduced, more petals than the original Baby Rambler, a deeper, brighter red and does not fade. \$4.00 per dozen, \$30.00 per 100.

Orleans, light Geranium red, opening to a bright rose color. Very free bloomer and compact, shapely plant for pots, \$2.50 per dozen, \$18.00 per 100.

CLIMBING ROSES, 2-yr., field grown—

Farquhar.....\$25.00 per 100
Tausendschon..... 15.00 per 100
Violet Blue..... 10.00 per 100

Yellow Rambler.....\$10.00 per 100
Flower of Fairfield..... 20.00 per 100
Trier..... 12.00 per 100
White Dorothy..... 12.00 per 100

THE STORRS & HARRISON CO., Painsville, Ohio.

GERANIUMS.

Per 100

POITEVINE and four other varieties, 3-in. pots.....\$ 4 00
NUTT and POITEVINE, 4-in. pots..... 6 00
ALTERNANTHERA, red and yellow, 2¼-in. pots..... 2 00
VERBENAS, 2¼-in. pots..... 2 00
FANSY, plants in bloom..... 1 25
VINCAS VAR., 4-in. pots, May 1 10 00
ASP. PLUMOSUS, 2¼-in. pots..... 2 00

CASH.

COLEUS.

Per 100

10 varieties, my selection, 2¼-in. pots.....\$ 2 00
CANNAS, 8 varieties, 3x4-in. pots..... 4 00
CANNAS, K. Humbert, 3x4-in. pots..... 7 00
PANDANUS VEITCHII.....\$1 00 each
SALVIAS, May 1st..... 2 50
ASP. SPRENGERI, May 10..... 2 00

JOS. H. CUNNINGHAM, Delaware, Ohio

Mention the American Florist when writing

High Class New England Quality

Herbaceous Perennials, Evergreens and Deciduous Trees, Shrubs, Roses and Vines at Wholesale and Retail. Catalogues upon request.

The New England Nurseries Co.

Dept. "T" BEDFORD, MASS.

For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin N. J. Williamstown Junc., N. J.

Mention the American Florist when writing

Jackson & Perkins Company

NEWARK, NEW YORK

Wholesale growers for the trade—trees and plants of all kinds.

SEND FOR LIST.

Mention the American Florist when writing

EVERGREENS, HEDGES AND HARDY PHLOX

Are my specialties.

I grow these by the acre. Please get my prices and try some of my stock.

ADOLF MULLER

DeKalb Nurseries NORRISTOWN, PA.

Mention the American Florist when writing

Special Wholesale Price List of Boxwoods AND Bay Trees

Palms and Other Choice Decorative Stock.

All this stock is of exceptionally fine quality and a big bargain at the prices quoted. Make up your order from this list and you will never have any trouble with dissatisfied customers. Stock up now for future sales.

Boxwoods.

Pyramids—	Each
2 to 2½ feet.....	\$1.25
2½ to 3 feet.....	1.75
3 to 3½ feet.....	2.50
3½ to 4 feet.....	3.00
4 to 4½ feet.....	4.25
4½ to 5 feet.....	5.00
5 to 6 feet.....	6.00

Globular—	
2 feet.....	\$1.25 to \$2.50

Standards—	
15 to 18-inch.....	\$2.25
18 to 21-inch.....	2.75
21 to 24-inch.....	3.50

Obelisk, 5-ft.....	Each, \$12.00
Globe Shaped, 2-ft.....	4.50
12-15-inch.....	Each, \$2.00 to 2.50
2-ft.....	3.00 to 3.50
Bushes, 2½ to 3-ft.....	2.50

MISCELLANEOUS

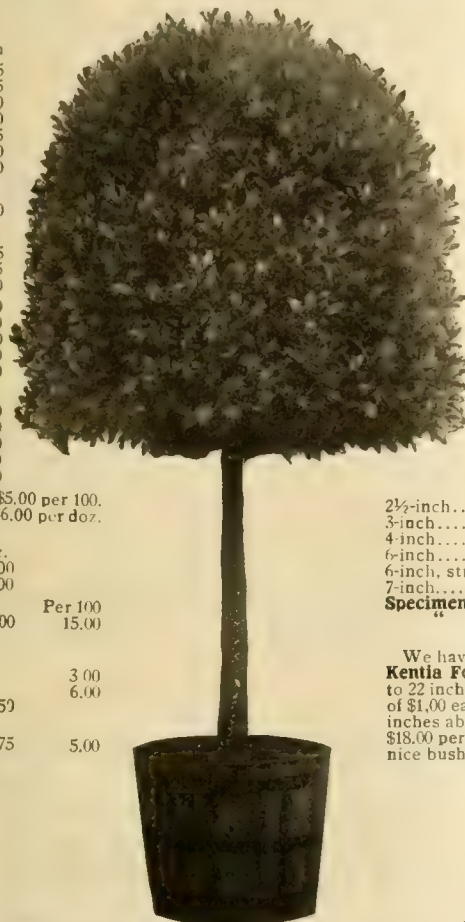
Aucuba, large.....	Each, \$3.00 to \$3.50
Aucuba Japonica, 2-ft.....	1.00
Aucuba Type, 2-ft.....	1.00
Conifers, assorted, 18-24-in.....	1.00
3-3½-ft.....	1.50
Dracaena Indivisa, 2-in.....	\$3.00 per 100; 3-in., \$5.00 per 100.
5-in., \$3.00 per dozen, \$20.00 per 100; 6 in., \$6.00 per doz.	
8-in., 3-ft. high, \$1.00 to \$1.50 each.	

Araucaria Excelsa—	Each	Doz.
6-in., 4-5 tiers.....	\$1.00	\$12.00
7-in., 4-5 tiers.....	1.50	18.00

Areca Lutescens—		Per 100
3-in., 3 plants in a pot.....	2.00	15.00
6-in.....	1.50	

Asparagus Plumosus—		
2-in.....		3.00
3-in.....		6.00
4-in.....	1.50	

Asparagus Sprengeri—		
3 in.....	.75	5.00



Bay Trees—Standard

Stem	Crown	Each
12-14-inch	18-in.	\$4.00
2-ft.	12-in.	\$4.00
2-ft.	18-in.	5.00
1-ft.	24-26-in.	6.00
3-ft.	20-22-in.	6.00
2 ft. 4-in.	24-28-in.	7.00
3-ft.	26-in.	7.00
4-ft.	3-ft-6 in. to 3-ft-10 in.	15.00

PYRAMIDS

5-ft. high.....	\$ 8.00	6-ft. high.....	\$12.00
7-ft. high.....	15.00	9 ft. high.....	20.00

KENTIA BELMOREANA

Size	Leaves	Ht.	Each	Doz.	Per 100
2 in.	4	8-in.		\$1.50	\$12.00
3 in.	4-5	8-10-in.		2.00	15.00
4 in.	4-5	12-in.		3.60	30.00
5 in.	5-6	15-18-in.		6.00	50.00
6 in.	6-7	20-22-in.	1.00	12.00	
6-in. strong, 5-6		18-20-in.	\$ 1.50	18.00	
7 in.	6-7	26-28-in.	2.00	24.00	
7-in. strong, 6-7		22-24-in.	2.50	30.00	
Made up 3 in pot, 28-30-in. high			2.50	Each.	

Latania Borbonica, 5-in.....	\$ 5.00
6-in.....	9.00
7-in.....	12.00

PHOENIX ROEBELENI

	Each	Doz.	Per 100
2½-inch.....		\$ 2.00	\$15.00
3-inch.....		3.00	
4-inch.....	\$0.50	6.00	
6-inch.....		12.00	
6-inch, strong.....		18.00	
7-inch.....	\$2.50 and 3.00		
Specimens, 7 in. extra strong.....		4.00 each.	
8 in. extra strong.....		5.00 each.	

SPECIAL ON MADE-UP KENTIAS

We have an exceptionally large stock of 6 and 7-inch Kentia Forsteriana, 3 plants in a pot. The 6-inch are 18 to 22 inches above pot, on which we make a special price of \$1.00 each, \$12.00 per dozen. The 7-inch are 28 to 32 inches above pot, 3 in a pot. A special price of \$1.50 each, \$18.00 per dozen is offered on these. Remember these are nice bushy plants, just what you need for decorating.



KENTIA FORSTERIANA.

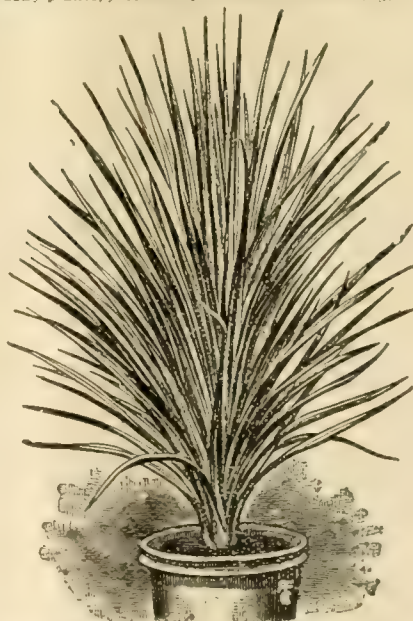
Size	Leaves	Ht.	Each	Doz.	Per 100
2-in.	4	8-10-in.	\$1.50	\$12.00	
3-in.	4-5	12-14-in.	2.00	15.00	
4-in.	4-5	14-16-in.	4.50	35.00	
5-in.	5-6	16-18-in.	6.00	50.00	
5-in. strong, 5-6		20-24-in.	\$.75	9.00	
7 in.	5-6	36-38-in.	2.50		
8 in.	5-6	40-44-in.	5.00		
8-in. strong, 5-6		46-50-in.	7.00		
9-in.	6-7	60-in.	8.00		
Specimens, 6-ft. high.....			9.00		
Specimens, 7 ft. 6-in. high			15.00		

Made Up.

6-in., 3 in a pot, 18-22-in. high.	\$ 1.00 and \$1.50
7-in., 3-4 in a pot, 24-30-in. high	2.50
8-in., 3-4 in a pot, 40-45-in. high	6.00
10-in., 4-5 in a pot, 58-60-in. high, 10.00	
12-in., 4-5 in a pot, 62-70-in. high, 15.00	
Specimens, 6½ ft. high, 4 in a tub, Each, \$18.00	
Specimens, 7½ ft. high, 4 in a tub, Each, 25.00	

PHOENIX RECLINATA

	Each	Doz.
5-in.....		\$ 6.00
6 in.....	\$0.75	9.00
7-in., 24-in. high.....		12.00



The Geo. Wittbold Co. —L. D. PHONE, GRACELAND 1112— 737-39 Buckingham Pl. Chicago

Best Grafted Rose Stock

Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000; \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill. Killarney Queen, \$15.00 per 100; \$120.00 per 1000.

BEST OWN ROOT STOCK

Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6.00 per 100, \$55.00 per 1,000. Richmond, 2½-in., \$5.00 per 100; \$45.00 per 1,000. The above is All select stock and a big bargain at prices quoted.

Best Chrysanthemum Cuttings

Finest Two Yellow and Pink Commercial Varieties Now Grown.

YELLOW				PINK					
R. C. per		2½-in. per		R. C. per		2½-in. per			
100	1000	100	1000	100	1000	100	1000		
Comoleta,	\$3.00	\$25.00	\$4.00	\$35.00	Patty,	\$3.00	\$25.00	\$4.00	\$35.00
Best Early Yellow, Blooms September 27.				Beautiful Enchantress Pink, fine strong grower, (3½-in., per 100, \$5.00).					
Chrysolora,	\$5.00	\$40.00	\$6.50	\$60.00	Unaka,	\$4.00.	\$35.00	\$5.00	\$45.00
Best Yellow Money Maker, blooms October 5 to 10.				Earliest Pink, first week of October.					

WHITE	R. C. per 100	1000	2½-in. per 100	1000
OCTOBER FROST.	2 50	20 00	3 00	25 00
Vir. Poehlmann...	3 00	25 00	4 00	35 00
Alice Byron.....	2 50	20 00	3 00	25 00
Timothy Eaton.....	2 50	20 00	3 00	25 00
W. H. Chadwick...	3 00	25 00	4 00	35 00
YELLOW				
Golden Glow.....	3 00	25 00	4 00	35 00
Halliday.....	2 50	20 00	3 00	25 00

		R. C. per		2½-in. per	
YELLOW		100	1000	100	1000
Col. Appleton.....	2 50	20 00		3 00	25 00
Crocus.....	4 00	35 00			
Dolly Dimple.....	3 00	25 00			
Major Bonnaillon.	2 50	20 00	3 00	25 00	
Immense stock, still one of the best.					
Yellow Eaton.....	2 50	20 00	3 00	25 00	
Golden Chadwick.	3 00	27 50	4 00	35 00	
Best late yellow.					

PINK		R. C. per		2½-in. per	
	100	1000	100	1000	
McNiece.....	2 50	20 00	3 50	30 00	
Maud Dean.....	2 50	20 00	3 50	30 00	
Dr. Enguehard....	2 50	20 00	3 50	30 00	
RED					
Schrimpton.....	2 50	20 00	3 00	25 00	
BRONZE					
O. H. Kahn.....	4 00		5 00		

We can supply large quantities of the above

We can supply large quantities of the above

POMPONS—Large stock of the leading commercial varieties. 2½-in., per 100, \$4.00
List of Varieties Upon Application.

Poehlmann Bros. Co.

Morton Grove, Illinois.

Mention the American Florist when writing

SEASONABLE PLANTS

Plants from 2½ inch pots \$3.00 per 100.

Asparagus Plumosus and Sprengeri; Ageratum, blue; Allyssum, Little Gem; Parlor Ivy; Euonymus, Radicans var.; Euonymus, golden var.; Geraniums, Mad. Salleri; Heliotrope, dark blue; Hydrangea Otaksa; Moonvine, large fl. white; Salvia, Bonfire; Santolina, dusty Miller; Snapdragon, white and pink; Swainsona Alba; Verbenas, pink, white and scarlet.

Plants from 3 inch pots. \$4.00 per 100.

Ivy, hardy English; Fuchsia, early fl.; Plumbago, white.

Myrtle Plants, the real bridal Myrtle, 4 in. pots, \$1.50 per dozen; 3 in. pots, \$1.00 per dozen.

Dracaena Indivisa, 4 inch pots, 10c each; 5 inch pots, 20c each; 6 inch pots, 25c each.

Kentia Belmoreana, 3 in. pots, 3 leaves, \$1.00 per doz.

C. EISELE,

11th and Westmoreland Streets
PHILADELPHIA, PA.

Elmer D. Smith & Co.,

167 W. Maumee St.,

ADRIAN, - - MICH.

See our Advertisement on page 868.

VAUGHAN'S CANNAS

Strong 2-Eyed Bulbs.

	Per 100	Per 1000		Per 100	Per 1000
Beaute Poitevine.	\$ 4.00	\$ 30.00	Milwaukee	4.00	35.00
Chas. Henderson.	4.00	30.00	New Chicago.	10.00	90.00
Comte de Sach.	6.00	50.00	New York.	5.00	40.00
David Harum.	4.00	35.00	Prince Wied.	10.00	90.00
Egandale.	4.00	35.00	The Express	6.00	50.00
Mad. Crozy.	4.00	35.00			

250 at the 1000 rate.

Chicago **Vaughan's Seed Store** New York
Greenhouses and Nurseries, Western Springs, Ill.

Mention the American Florist when writing

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL New York

Mention the American Florist when writing

The New Double Marguerite MRS. F. SANDER

It's a good spring and summer proposition and will keep you supplied with plenty of cut flowers at a time when all other flowers are scarce.

2-in. pots \$2.00 per 100, \$15.00 per 1000.

ELMER RAWLINGS,
Wholesale Florist, OLEAN, N. Y.

Mention the American Florist when writing

Five Car Loads of Bay and Box Trees

Just reached us in splendid condition

BAY TREES.

These trees come in tubs.

Nothing can approach these handsome trees for decorating porches, piazzas, or hall entrances and they are largely used for stately effects in formal gardens.

Standard or Tree Shaped.

Stems	Crowns	Each	Pair
3-in.	24 in.	\$ 7 00	\$13 00
45-in.	26-in.	7 50	14 00
45-in.	28-in.	8 00	15 00
45-in.	30-in.	10 00	18 00
48-in.	34 in.	12 00	22 00
48-in.	40-in.	15 00	28 00

Dwarf Standards.

Stems	Crowns	Each	Pair
30-in.	24-in.	\$ 7 00	\$13 00
18-in.	24-in.	7 00	13 00
12-in.	30 in.	7 50	14 00

Pyramidal Shaped.

	Each	Pair
5 ft. high, 24-in. diameter at base.	\$ 8 00	\$15 00
6 ft. high, 26-in. diameter at base.	10 00	18 00

BOX TREES.

Sheared into compact shape, these Box Trees make beautiful specimen plants in any form which can be used for all decorative purposes like the Bays, but at less expense. The bush plants can also be used with telling effect for window boxes.

Prices on Pyramid and Globes include new green tubs. If wanted out of tubs we allow 10 per cent discount.

Pyramidal Shaped.

	Each	Pair		Each	Pair
2½ ft. high.	\$2 00	\$3 75	4 ft. high.	\$4 50	\$ 8 00
3 ft. high.	2 50	4 50	5½ ft. high.	8 00	15 00
3½ ft. high.	3 50	6 00			

STANDARD BAY TREE

Globe Shaped, Trimmed.

	Each	Pair		Each	Pair
15 in. high, 15 in. dia.	\$2 75	\$5 00	18 in. high, 18 in. dia.	\$3 50	\$6 50

Globe Shaped, Untrimmed.

	Each	Pair		Each	Pair
15 in. high, 15 in. dia.	\$2 00	\$3 75	22 in. high, 22 in. dia.	\$3 00	\$5 50
18 in. high, 18 in. dia.	2 50	4 50	24 in. high, 24 in. dia.	3 50	6 50

Bush Shaped.

These do not come in tubs.

	Each	Pair		Each	Pair
12 in.	\$0 40		24 in.	\$1 00	
18 in.	60		30 in.	2 50	
20 in.	75		36 in.	3 50	

PYRAMIDAL BOX TREE

Vaughan's Seed Store, 31 W. Randolph St., CHICAGO
15 Barclay St., NEW YORK

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

J.D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL

CHRYSANTHEMUMS

Large flowering, Pompons, Single and Anemone flowered. Best varieties for bush form pot plants. Strong plants from 2½-in. pots, \$3.00 per 100.

Cash with Order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO, ILL.

Geraniums AND Coleus

Summer prices for Geraniums May 5th and after, \$10.00 per 1000 for Nut & Poitevine; \$12.50 per 1000 for Ricard. Coleus delivery of April 28th, red, yellow and assorted, \$6.00 per 1000. 2½-inch pot plants, \$2.00 per 100. Snapdragons from rose pots. Giant flowering separate colors, \$2.50 per 100.

Albert M. Herr, Lancaster, Pa.

ROSE PLANTS, 2½-in. pots

	Per 100	Per 1000		Per 100	Per 1000
Pink Killarneys.	4.00	35.00	Melody.	\$4.00	\$35.00
			Richmonds.	3.00	25.00

TWO YEAR OLD BENCH PLANTS—GOOD STOCK

White Killarney, Pink Killarney, Richmond, Sunrise, \$4.00 per 100; \$35.00 per 1000.

PETER REINBERG,

30 E. Randolph St.,

CHICAGO.

Primula Obconica, strong plants, in bud and bloom. 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengeri, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Robert Craig Co...

High Class **PALMS**

and Novelties in Decorative Plants.

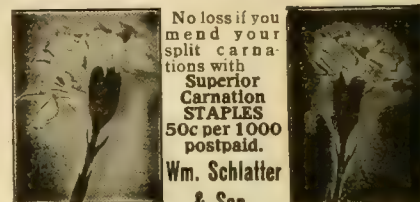
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Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading varieties, \$3 per 100. Henry Smith, Florist, Grand Rapids, Mich.

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Clematis. W. & T. Smith Co., Geneva, N. Y.

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Dracaenas, Linden and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz.; 7-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Chicago and New York.

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Dracena, 6-in., \$30 per 100; 5-in., \$25; 4-in., \$15. West Main Greenhouses, Corfu, N. Y.

Dracaenas, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

DWARF FERNS FOR FERN DISHES.

These dwarf ferns are used by the hundreds of thousands to fill dishes for table decorations. Our sales each year exceed 50,000 plants. Our stock is in prime condition, ready to use at once. We offer 9 choice varieties. Pteris cretica albo-lineata, Victoria, Wilsoni, Mayil, Pteris multiceps, Aspidium tussimense, Sieboldii, Winstedti, Cyrtium falcatum or holly fern. Price, 50c per doz., \$3 per 100; \$25 per 1,000. Our new catalog giving prices on ferns, roses and all other plants ready now. Write for it today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
Box 18, Springfield, Ohio.

Ferns, Boston, 2½-in., \$3 per 100; \$30 per 1,000. Roosevelt, 2½-in., \$5 per 100; \$40 per 1,000. Whitman Compacta, 2½-in., \$5 per 100; \$40 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns for dishes, 2-in. assorted, to clean out, \$2.50 per 100; \$20 per 1,000. Transplanted seedlings, \$1 per 100; \$9 per 1,000. Rober & Radke, Maywood, Ill.

Table ferns, 10 vars., 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$6 per 100; \$55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Hardy ferns. Descriptive list mailed. Ludwig Mosbræk, Askov, Minn.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus pandurata, 6-in., \$3.50 each. Ficus elastica, 6-in., 75c to \$1 each. Poehlmann Bros. Co., Morton Grove, Ill.

GERANIUMS.

Geraniums, strong, stocky plants in bud and bloom; S. A. Nutt, Ricard, Beate Poitevine, White Bucher, 4-in., 7c and 8c; 3½-in., 6c; good stock guaranteed. Cash with order. Gus Schlegel, Olney, Ill.

50,000 S. A. NUTT.
FOR IMMEDIATE DELIVERY. Extra strong top cuttings, well rooted, \$10 per 1,000. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, 2-in., strong, sturdy plants, \$20 per 1,000. Cash with order. M. C. Gunterberg, 82 East Randolph St., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Geraniums, Poitevine and four other vars., 3-in., \$4 per 100. Nutt and Poitevine, 4-in., \$6. Jos. H. Cunningham, Delaware, O.

Geraniums, S. A. Nutt, in bud and bloom. 4-in., nice, strong stock, \$7 per 100. Cash with order. Franke Felke, 828 Ridge Ave., Wilmette, Ill. Telephone, Wilmette 1236.

Geranium, S. A. Nutt, Perkins, La Favorite, Jean Vland, 2½ inch, \$3 per 100. Mme. Sallerol, \$2 per 100; \$18 per 1,000. Other varieties sold till end of April. Rober & Radke, Maywood, Ill.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geranium Scarlet Bedder, \$1.50 per ten; \$12.50 per 100; \$100 per 1,000. Elmer D. Smith & Co., Adrian, Mich.

Mrs. Loyal (pansy geranium) 2½-in., 85c per doz.; \$6 per 100. Vaughan's Seed Store, Chicago and New York.

Geraniums, May 5 and after, \$10 per 1,000 for Nutt and Poitevine; \$12.50 for Ricard. A. M. Herr, Lancaster, Pa.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerol, 2-in., \$22 per 1,000. Peter Pearson, 5732 Gunnison St., Chicago.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut-Flower Exchange, 38-40 Broadway, Detroit, Mich.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Fancy ferns, \$1.50 per 1,000. Robert Groves, Adams, Mass.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

HOLLYHOCKS.

HOLLYHOCKS.

Hollyhocks, field-grown, will bloom this summer; finest colors. From pots ready to plant, \$1 per dozen; \$6 per 100. Our new catalog giving prices on everything in roses, plants, etc., ready now. Write for it today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World. Box 18, Springfield, Ohio.

DOUBLE HOLLYHOCKS, separate colors, strong field plants, 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

HYDRANGEAS.

HYDRANGEAS.

The New French Forcing Hydrangeas: AVALANCHE—A splendid large white. This will absolutely supersede Thomas Hogg; 3-inch pots, \$6 per 100.

LA LORRAINE—Pale rose changing to bright cerise pink, claimed by many to be the best of all; 3-inch pots, \$10 per 100.

REMEMBER now is the time to buy these hydrangeas and grow them along for another year. This fall we will offer all of Lemoine's and Monillere's novelties in hydrangeas, including E. C. Hill, the Gem of them all. The great blooming qualities of these hydrangeas are their talking points. You may have in a four-inch pot, three to five immense heads of blooms. You will never grow the old varieties again after you become acquainted with these new ones. Write today for our catalogue of everything you need in the Rose and Plant Line.

THE GOOD & REESE COMPANY.

The Largest Rose Growers in the World. SPRINGFIELD, OHIO.

Hydrangea Otaksa, in half barrels, \$5 to \$7 each; 14-inch tubs, \$1.50 to \$2. Smaller plants in pots, 35c, 50c, 75c. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangeas Otaksa, 2½-in., 3c. Rober & Radke, Maywood, Ill.

Hydrangea Otaksa, 3 to 10 shoots, 10c to 35c. Erie Floral Co., Erie, Pa.

Hydrangeas, 50c to \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

IRIS.

Now is the time for planting.

Per 100

Iris pallida dalmatica.....\$10.00
Iris Madam Chereau..... 5.00
Iris Siberica, strong divisions..... 3.00
Special discount on larger quantities.

J. A. PETERSON.

Westwood. Cincinnati, O.

IVIES.

Ivy, hardy English, 20 ins. long, out of pots, \$5 per 100. Small leaf English ivy, 3-in., \$5 per 100. Samuel V. Smith, 3323 Goodman St., Philadelphia.

English ivy, 4 ft., 4-in. pots, \$15 per 100; 4½-in., \$20. Bobbink & Atkins, Rutherford, N. J.

English ivy, 3½ and 4-in., \$12 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

English ivy, R. C., 75c per 100; prepaid. Chas. Frost, Kenilworth, N. J.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the Valley, cold storage. Order now for June weddings Bruns' Celebrated Chicago Market Brand, \$18 per 1,000; \$9.50 per 500; \$5 per 250. Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3040 W. Madison St., Chicago.

MARGUERITES.

Marguerites, Sanders, 3-in., 5c; 4½-in., 10c. Large flowering and California, single, 2-in., 2c; 3-in., 4c; 4½-in., 8c. Mostly budded. Rober & Radke, Maywood, Ill.

Marguerites, Mrs. E. Sanders and Queen Alexandra, 2½-in., 60c per doz.; \$4 per 100. Vaughan's Seed Store, Chicago and New York.

MOSS.

Green sheet moss, 1 bale (5 bundles) \$1.25; 5 bales (25 bundles), \$6. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

Sphagnum Moss, 10 burlap bales, \$13.50; 10 wired bales (large), \$11. Vaughan's Seed Store, Chicago.

Moss, surplus of 12 barrel bale New Jersey moss, delivered anywhere in Chicago, \$5 per bale, 2 or more bales, \$4.75 per bale. Klehm's Nurseries, Arlington Heights, Ill.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, evergreens, herbaceous perennials and deciduous trees, shrubs, roses and vines. The New England Nurseries Co., Bedford, Mass.

Evergreen hedges and hardy phlox. Adolf Mullet, Norristown, Pa.

ORANGES.

ORANGE OTAHEITE.

From 2½-in. pots, \$3 per 100; \$27.50 per 1,000. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Osmundine (Osmunda fibre or orchid peat.) The C. W. Brownell Co., Walden, N. Y.

PALMS.

Cycas, from 1 to 10 lbs., up to 50 lbs., 10c per lb.; 50 to 100 lbs., 9c per lb.; 100 lbs. and up, 8c per lb.; 500 lbs. and up, 7½c per lb. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Kentia Bel, 3-in., 3 leaves, \$1 per doz. C. Elsie, 11th and Westmoreland Sts., Philadelphia.

Kentia Forsteriana and Belmoreana, all sizes from 4 to 12-in., tubs, 35c to \$15. Poehlmann Bros. Co., Morton Grove, Ill.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

PANDANUS.

Pandanus Vetchii, 5-in., 75c each; 6-in., \$1.25; 7-in., \$2. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

PANSIES.

Pansies, 60,000 large stocky (Sept. transplanted) field-grown, blooming pansy plants. Henry Mette's strain, \$1 per 100; \$10 per 1,000. Cash. The Brill Celery Gardens, Kalamazoo, Mich.

Strong, stocky, fall Pansy Plants; large flowering, 50c per 100; \$4 per 1,000. Cash with order. Gus. Schlegel, Olney, Ill.

Pansies, field grown, \$1.25 per 100; \$10 per 1,000. Leonard Cousins, Jr., Concord Junction, Mass.

Pansy plants, in bloom, \$1.25 per 100. Jos. H. Cunningham, Delaware, O.

PEONIES.

PEONIES.

"PEONIES FOR PLEASURE."

This book of "Peonies for Pleasure" gives information on peony history, soil and plants to use; how and when to plant; fertilizers and how to apply; and describes the most extensive planting of really valuable peonies ever gathered together under the sun; describes the old and new as well as plebeian and aristocrat of the peony family. If you want information on the plant that stands next to the rose in beauty, that is practically known to the amateur as simply a red, white and pink peony, then send for "Peonies for Pleasure." We also issue a special wholesale price list of peonies for fall sales, 1913. Send for both of the booklets. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World. Box 18, Springfield, Ohio.

PRIMULAS.

Primula obconica grand., 2½-in., \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

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AMOOR RIVER PRIVET, 6 to 12 inch., \$12; 12 to 18 in., \$14.50 per 1,000; all well branched. VALDESAN NURSERIES, Bostic, N. C.

CALIFORNIA PRIVET, well branched, 12 to 18 ins. at \$10 per 1,000; 18 to 24 ins. at \$15 per 1,000. Jackson & Perkins Co., Newark, New York.

RHODODENDRONS.

Rhododendrons, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

ROSES.

ROSES.

The following varieties of Roses from 4-inch pots, \$1.25 per dozen; \$10 per 100; Antoine Riviere (Mrs. Taft), Blumenschmidt, Crimson Rambler, Etoile de Lyon, Florence Pemberton, General Jacqueminot, Helen Good, Helen Gould, Hermosa, Hilda, Kaiserin Augusta Victoria, La Detroit, Lady Battersea, Mme. Lombard, Mile. Francisca Kruger, Marie Van Houttel, Mrs. Foley Hobbs, Miss Alice de Rothschild, Prince Camille de Rohan, President Taft, Papa Gontier, Perle von Godesberg, Paul Neyron, Pink Cochet, White Cochet, Rhea Reid, Souv. de la Malmaison.

The following varieties from 2½-in. pots, fine plants. Climbing American Beauty, \$1.50 per doz.; \$10 per 100; \$90 per 1,000. Sunburst, \$2 per doz.; \$15 per 100; \$135 per 1,000.

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When you buy G. & R. ROSES you get along with the after-satisfaction—that sense of realizing all the success that should come from planting quality roses, the knowing that no better results are possible to be obtained outside of G. & R. Roses. It is the after-satisfaction that has compelled us to plan to grow for the coming season one million additional Roses. Think of it—the after-satisfaction selling five million roses, and demanding a million increase in one year! Going some! you say. Yes, but are you getting your share of this Rose after-satisfaction? If not, why not? Plant G. & R. quality roses. None better, none so good. Our new catalog giving prices on all roses and other plants now ready. Write for it today.

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The Largest Rose Growers in the World. Box 18, Springfield, Ohio.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

CHOICE ROSE PLANTS.

	Per	Per
Fine 2½-in. stock.	100	1,000
American Beauties	\$ 5.50	\$ 50.00
Richmond	3.50	30.00
Pink Killarney	4.50	40.00
White Killarney	4.50	40.00
My Maryland	4.00	35.00
Sunburst	12.00	100.00

WIETOR BROS.

162 North Wabash Ave. Chicago.

STRONG ROSE PLANTS.

My Maryland, 2½-in., \$25 per 1,000.
 ONE-YEAR-OLD BENCH PLANTS.
 American Beauty and White Killarney, \$35 per 1,000.
 Satisfaction guaranteed.

GEO. REINBERG,

162 North Wabash Ave. Chicago.

Roses, grafted, Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$10 per 100; \$100 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95 per 1,000 in 100,000 lots. Killarney Queen, \$15 per 100; \$120 per 1,000. Own root: Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6 per 100; \$55 per 1,000. Richmond, 2½-in., \$5 per 100; \$45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Rose plants, 2½-in. pots: Pink Killarney, \$4 per 100; \$35 per 1,000. Melody, \$4 per 100; \$35 per 1,000. Richmond, \$3 per 100; \$25 per 1,000. 2-year bench plants: Am. Beauties, \$6 per 100; \$55 per 1,000. White Killarney, Pink Killarney, Richmond, Sunrise, \$4 per 100; \$35 per 1,000. Peter Reinberg, 30 East Randolph St., Chicago.

Roses, grafted: Richmond, White Killarney, Pink Killarney, Kaiserin, 2½-in., \$10 per 100; \$95 per 1,000; 3-in., \$15 per 100; \$145 per 1,000. Own roots: My Maryland, Pink Killarney, White Killarney, Richmond, Kaiserin, Perles, 2½-in., \$5 per 100; \$45.50 per 1,000; 3-in., \$7 per 100; \$50 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Roses, 2½-inch pots: Prince de Bulgarie, \$6 per 100; \$50 per 1,000. Richmond, \$5 per 100; \$40 per 1,000. Pink and White Killarney, \$4 per 100; \$35 per 1,000. Radiance and Madison, \$5 per 100. J. A. Budlong, 82 East Randolph St., Chicago.

Roses, White Killarney, 2½-in., \$35 per 1,000. Pink Killarney, 2½-in., \$35 per 1,000. Lady Hillingdon, 2½-in., \$45 per 1,000. Rooted Cuttings: Pink Killarney, \$18 per 1,000. Cash or reference. L. B. Coddington, Murray Hill, N. J.

Roses, 5 and 6-in. pots, hybrid teas, hybrid perpetuals, teas and everblooming, Rambler, Baby Ramblers, moss roses, hybrid sweet briars, Austrian briars, Wichuriana, etc. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

ROSES, strong young plants, for growing on. Send for list including Excelsa, New Red Dorothy Perkins, \$4 per 100; \$30 per 1,000. THE CONARD & JONES COMPANY, West Grove, Pa.

5,000 American Beauty Bench Plants, \$5 per 100; \$40 per 1,000. WIETOR BROS., 162 North Wabash Ave., Chicago.

Roses, Baby Rambler, Soupert, Hermosa and White Rambler, 5-in., 50c each. Geo. A. Kuhl, Pekin, Ill.

Roses, Kaiserin, 2 and 3-year, bench plants, dormant condition, \$10 per 100. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Leedle Floral Co., Springfield, O.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Rose plants, Kaiserin and My Maryland, 3-in. pots, \$6 per 100. Henry Smith, Florist, Grand Rapids, Mich.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

ROOTED CUTTINGS.

Rooted Cuttings—Ageratum Gurney and Dwarf White. Coleus, 20 varieties, including New Vining. Tradescantia, 3 varieties, 60c per 100; \$5 per 1,000. Double fringed petunias, variegated and pink. Salvia, Zurich and Splendens, Dusty Miller, the narrow leaved variety, from soil, \$1 per 100. Cash. All the above strong, 2-in., 2c; 2½-in., 2½c. Moon Vines, grandiflora, 2½-in., strong, 5,000 ready, \$30 per 1,000; \$3.50 per 100. Cash. Wouseter Greenhouses, Bryan, Ohio.

SALVIAS.

SALVIA BONFIRE, 2½-in., good plants, 2½c. Cash with order. Gus. Schlegel, Olney, Ill.

SEEDS.

Seeds, beans, beets, cabbage, carrots, Kohlrabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, glorioles, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Fancies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

Seeds, cauliflower, white Tripoli onion, (crystal wax) and all other vegetable and flower seeds. Dammann & Co., San Giovanni a Teduccio near Naples, Italy.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohmert, Gilroy, Calif.

Seeds, pepper, asparagus, tomato, musk and watermelon. J. E. Hoopes & Co., Box 38, Muscatine, Iowa.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onions, lettuce, carrot, radish. Bralan Seed Growers Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds, novelty flower seeds, bulbs and plants. Francesco Bulteri, Seafati, near Pompeii, Italy.

SMILAX.

Smilax, 2½-in., \$2.50 per 100; \$22 per 1,000; 3-in., \$6 per 100; \$50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2½-in., \$2 per 100; ready to pot on. Cash. Bonell, Florist, Meriden, Conn.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons. Ramburg's famous silver pink, rooted cuttings, \$2 per 100; extra strong 2½-in., \$3.50 per 100. Addems, Morgan & Co., Paxton, Ill.

VEGETABLE PLANTS.

Vegetable plants: Cabbage, Wakefield, Succession, Early and Late. Flat Dutch, Surehead, All Head, Danish Ball Head, etc., 20c per 100; 500 for 75c; \$1 per 1,000; 10,000 and over 85c per 1,000. Lettuce: Grand Rapids, Big Boston, Boston Market and Tennis Ball, 20c per 100; 500 for 75c; \$1 per 1,000. Beet: Eclipse, Crosby, Egyptian, 25c per 100; 500 for \$1; \$1.25 per 1,000. Celery plants: Golden Self-Blanching, 40c per 100; \$2.50 per 1,000. Tomato plants. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Tomato plants, transplanted 2x2½-inch, fine quality at reduced prices. I need the room, but can't afford to throw them away, so here they go at \$2 per 1,000. Ready 1st of May. Place your order while they last. Earliana, Sparks' Earliana, Bonny Best, Chalk's Jewel, Ponderosa, Imperial and Matchless. Tell me what you want. I have plenty of them. H. J. Potomkin, Muncie, Ind.

800,000 vegetable plants, cabbage, cauliflower, tomato (100 postpaid 60c), 1,000, \$4. Beets, lettuce, asters (100 postpaid 35c), 1,000, \$2. Click's Plant Farms, Lancaster, Pa.

Tomato plants, Sutton's Best of All and Bonny Best, the latter from greenhouse grown seed; extra strong 2½-in., \$2 per 100. Addems, Morgan & Co., Paxton, Ill.

For Sale—Strong pieplant divisions, Linneus and Victoria, \$4 per 100; \$25 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VERBENAS.

Verbena, mammoth mixed, strong plants, 2-in., 2c. Cash with order. Gus. Schlegel, Olney, Ill.

Verbenas, 500 2-in. in bloom and bud, \$8. Peter Pearson, 5732 Gunnison St., Chicago.

Verbenas, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

VINCAS.

Vinca variegata, rooted cuttings, 60c per 100; \$5 per 1,000; strong 2½-in., pot plants, \$2 per 100; \$18.50 per 1,000. Cash with order. MEMPHIS FLORAL CO., Memphis, Tenn.

Vinca Var., 3½ and 4-in., \$10 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.
 Sample free. For sale by dealers.

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
 RACINE, WIS.

FLORIAN D. WALLACE



VINCA MINOR (trailing periwinkle). A hardy evergreen vine trailing close to the surface, forming a dense mat, thriving under trees where grass will not grow; useful for binding the soil on slopes to prevent washing, for covering graves, where the blue flowers contrast finely with the glossy green foliage. Well rooted plants, \$1.50 per 100; \$10 per 1,000; 5,000 for \$10. Samples on request. E. Y. TEAS, Centerville, Ind.

VINCA.

Vinca Variegata, 2-inch pots, \$2 per 100; \$17.50 per 1,000. Our new catalog giving prices on everything in roses, plants, etc., ready now. Write for it today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World.
 Box 18, Springfield, Ohio.

15,000 Vinca Variegata, all grown at edge of benches, 2½-in., \$3 per 100; 3-in., \$6 per 100; 3½-in., \$8 per 100; 4-in., \$12.50 per 100. Cash please. Harry Heintz, West Toledo, O.

Vinca var., 2-in., 2c; 3-in., 5c. Geo. M. Emmans, Newton, N. J.

VIOLETS.

Violets, Princess of Wales, California and Luxonne, rooted cuttings, clean and strong, \$1 per 100; \$9 per 1,000. Cash with order. J. Gilmet, Moylan, Del. Co., Pa.

Sand Rooted plants, double violets, \$15 per 1,000. Also from 2½-in. pots, \$20. J. Von der Linden, Rhinebeck, N. Y.

CARNATION STAPLES.

SUPERIOR CARNATION STAPLES.

Mend your split carnations. Finest article for carnation growers introduced so far, 50c for 1,000, postage paid.

MICHIGAN CUT FLOWER EXCHANGE.
 38-40 Broadway. Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

MISCELLANEOUS.

LAWN SILICATE for killing weeds in lawns. 5 lb. package, 25c; 10 lb. pkg., 50c; barrel lots in bulk, 4½c per lb. Superior Chemical Co., 15th and Arbogast sts., Louisville, Ky.

Red pots, standard, azalea, pans. Harley Pottery Co., Nashville, Tenn.

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Special Florists' Printing. Sample free. Oscar Pink, Pottstown, Pa.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

STAKES.

Cane Stakes, Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

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For Killing Weeds in Lawns.

LAWN SILICATE is unquestionably superior to any preparation ever applied as a top dressing to lawns to destroy Plantain, Buckhorn, Dandelion, and other low growing flat leaved weeds that a lawn mower will not kill. It is odorless and is easy to apply. Does not stain or injure hands or clothing. Is positively the most economical, quickest and most effective method of getting rid of weeds ever devised.

A 5-lb. package covers 200 to 500 square feet. It does not kill the grass, but the weeds are practically all killed in 24 to 48 hours and are afterwards literally burned up and blow away.

This is not a "fairy tale." We invite investigation. It is sold on "money back guarantee."

Retail Prices, 5-lb. Package, 25c.
Barrel Lots in Bulk, 4½c. per lb.

10-lb. Package, 50c.

Descriptive circular on request.

LIBERAL DISCOUNTS TO DEALERS.

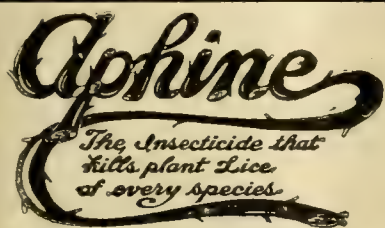
AGENTS WANTED EVERYWHERE.

Superior Chemical Co., Mfrs.,

Incorporated

N. E. Cor. 15th and Arbegust Streets,

LOUISVILLE, KY.



The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Unlike Bordeaux and lime and sulphur it does not stain the foliage, but cleanses it.

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VERMINE

A soil sterilizer and vermicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used 1 part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

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All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals.

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Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

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Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets, etc. to sole makers. Write for prices, etc.

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*green flies and
black ones too*

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

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ANY LENGTH UP TO 32 FEET OR LONGER.
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BUFFALO WHITE (Semi-Paste)
 Most Perfect White Paint Made.
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Preserve Cut Flowers in
BUCHBINDER
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 illustrated catalog.

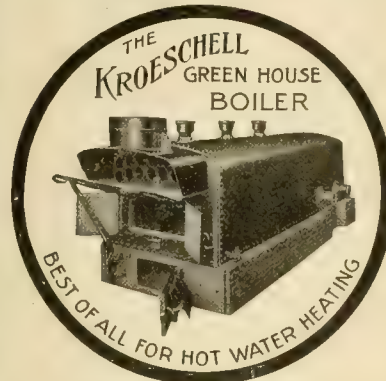
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 Let Us Quote You. We Can Save You Money
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Read What the Users Say

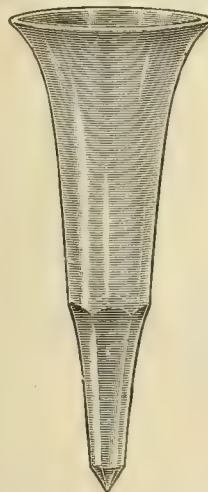
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It only takes 30 minutes from firing to drive the water entirely through my system, a distance of 200 ft. When heavy firing is necessary I make 180 degrees in the main returns at the boiler. Your boilers are fine.
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There is No Better Boiler.

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Vase

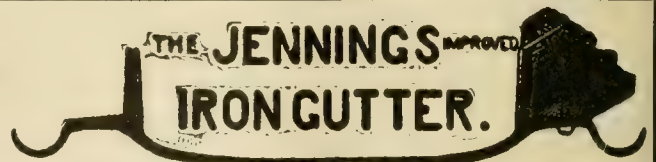
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 Can be supplied in green or white.
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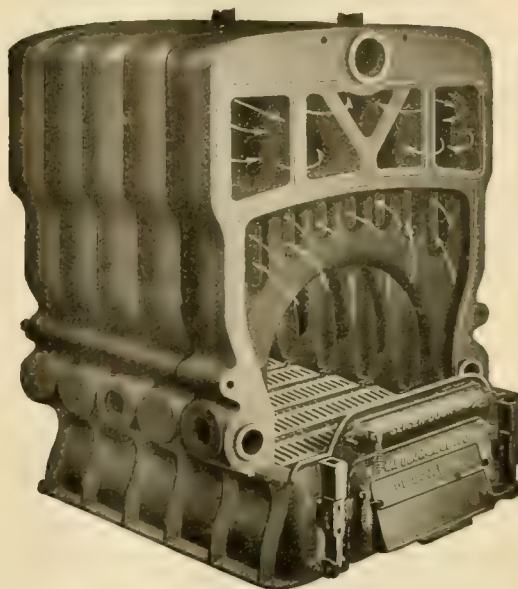
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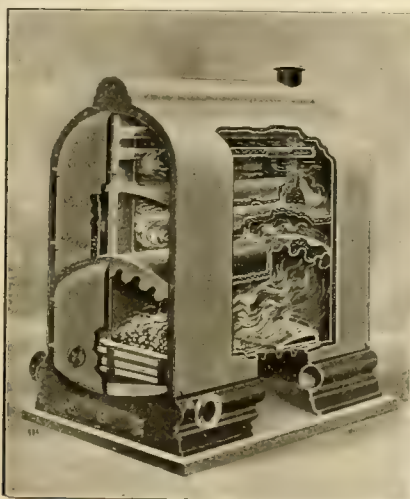
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SAVES

50 Per Cent of the Fuel.

Water in the Grate.

CANNOT BURN OUT.

Highly Commended at the International Flower Show, New York.

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WEEHAWKEN, N. J.

Pecky Cypress

We are SPECIALISTS

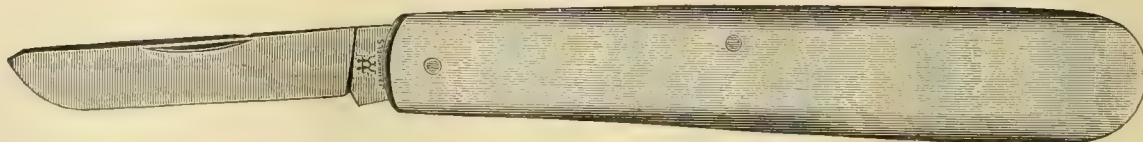
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The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

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**Dreer's Peerless
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For Greenhouses**

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

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Samples free.
HENRY A. DREER,
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FULL
SIZE
No. 2

**Split Carnations
Easily Mended with
Pillsbury Carnation Staple**

We find it very satisfactory. J. L. DILLON.
Can't get along without them. J. L. JOHNSON.
2000 for \$1.00 postpaid.

I. L. PILLSBURY
Galesburg, Ill.

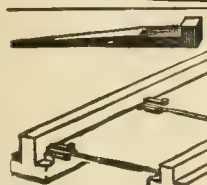
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Challenge
Ventilating
Apparatus**

Write for Illustrated Catalog:
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**CEDAR
PLANT
TUBS**

"WE make them out of the very best of Cedar." They will last for years. Painted Green. The best Plant Tub on the market. Write for prices.

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**Siebert's Zinc
Glazing Points.**

Good for small or large glass, do not rust, easy to drive $\frac{3}{8}$ and $\frac{1}{2}$ inch Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00

**Vaughan's
Seed Store**
Chicago. New York.



**SIEBERT'S ZINC
Never Rust
GLAZING POINTS**

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{8}$ and $\frac{1}{2}$, 40c per lb., by mail 16c extra: 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade

RANDOLPH & McCLEMENTS, Florists.
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GLASS CIRCLES.

When you want to cut that 6-inch circle in the greenhouse glass, when you want to cut an arched light for the door, don't experiment. Be wise. Use this "RED DEVIL" circular glass cutter.



It will cut a 2-in. circle or a 12-in. circle or a 22-inch circle in any kind of glass.

It will cut curves, bends or straight.

It's a "RED DEVIL."

"RED DEVIL," No. 263—Just one more of these famous "Red Devil" glass cutters. You have use for it daily. Your hardware dealer sells it. Ask and insist on the genuine but if an imitation or substitute is offered, refuse it. Send us \$1.25 and one only sample will be sent you postpaid.

SMITH & HEMENWAY CO., 215 Chambers St., N. Y.
Mention the American Florist when writing

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Ia.
Mention the American Florist when writing

**The Early Advertisement
Gets There.**



Two Neighbors' Experiences

BOTH of these are actual photographs of neighbors. By the merest coincidence our photo man happened along at just the right time to snap them. Are you like the man on the left, who bought roof bars that cost less than ours, and when he came to untie the bundles, the bars jumped all out of shape because of the unseasoned cypress?

Or are you "the happy folks" kind, like the man on the right, who paid more for our bars, **because they were worth paying more for?**

When he untied his bundles they lay as straight as when they left the mill machines.

There are no two ways about it, cypress is not fit to go into a greenhouse until it has air-dried for **not less than two years.**

Ours always is!

Then another thing—a grower doesn't expect to get as good a price for "the run of the cut" in his roses as he does for his long-stemmed, **selected ones.**

Neither can you expect to buy sap-free, sorted cypress as cheap as you can the "run of the mill" kind.

We sell only **the one kind;** and it's the only kind worth putting into your house.

Send for prices.

Lord & Burnham Co.

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New York
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Boston
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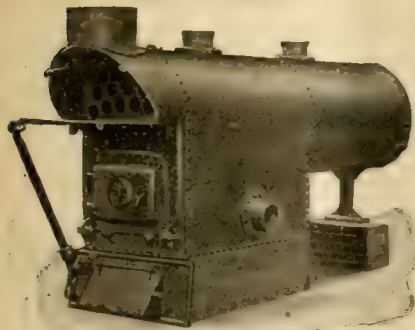
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Rookery Building.
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No Loss of Heat or Fuel When Using a "Superior" Boiler

Made in 9 Sizes.



Write for further information.

Superior Machine and Boiler Works.

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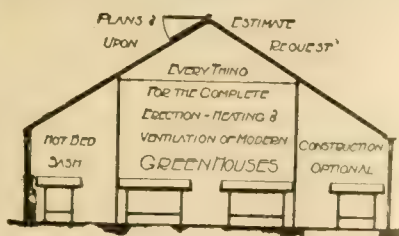
Inferior Ventilating Apparatus



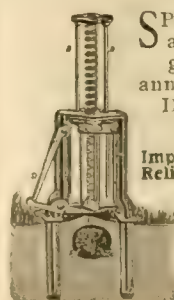
is a nuisance. Proper ventilation is most essential in a well conducted greenhouse. We furnish ventilating machinery to the largest plants in the country. Let us fit your houses with Advance Ventilating Apparatus and fixtures. Write for Catalog

Advance Co., RICHMOND, IND.

Mention the American Florist when writing



S. JACOBS & SONS
1361-1383 Flushing Av., Brooklyn, N. Y.
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SPRING weather and Moles are at hand. One brings gladness, the other brings annoyance.

Destroy the latter by using

Olmsted's Improved Reliable MOLE TRAP

Ground Moles, their habits and how to catch them—a Book, Free.

L. H. OLMSTED'S SON
Hasbrouck Heights, N. J.



Where There Is Condensation

—there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

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Memphis, Tenn.
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Chatham, Ontario
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Big snaps in Boiler Tubes and Pipe.

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Large quantities of 2-inch to 12-inch standard iron pipe.

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GREENHOUSE GLASS

You will save money if you obtain our prices before you buy
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

KEYSTONA FLAT WHITE PAINT---The Paint That Stays White

H. M. HOOKER COMPANY,

WHOLESALE GLASS, PAINTS AND PUTTY

Long Distance Phone 651-659 West Washington Boulevard, Chicago
Monroe 4994. Near Des Plaines St.
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DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

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Letterheads, Envelopes, Billheads, Statements
Cards and Special Shipping Labels,
also Seed Envelopes.

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122 W. 25th St., NEW YORK.

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Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

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Gets There.

IRON FRAME GLASS STRUCTURES

MAXIMUM STRENGTH

MINIMUM SHADE

MINIMUM COST

KING CONSTRUCTION Co.

NORTH TONAWANDA N.Y.



BOILER FLUES

We make a specialty of handling carefully selected Boiler Flues, 4-inch diameter and other sizes for greenhouse piping, Gutter Posts, etc. Also, we make a specialty of flues for retubing boilers. All flues are thoroughly cleaned and trimmed ready for use. General Sales Agents for Stuttle's Patent Clamp and Elbow for joining flues—no packing, no leaks. Right prices and prompt shipment.

H. MUNSON

1405 Wells St. Phone North 572 Chicago



DUNDONALD MEMORIAL WREATH.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XL

CHICAGO AND NEW YORK, MAY 10, 1913.

No. 1301

THE AMERICAN FLORIST

ESTABLISHED 1885.

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Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.
Subscription, United States and Mexico, \$1.00 a
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F. KASTING, Buffalo, N. Y., Treasurer. Next
annual convention and trade exhibition at Minn-
neapolis, Minn., August 19-22, 1913.

AMERICAN PEONY SOCIETY.

Next annual meeting and exhibition, June, 1913.
B. H. FARR, Reading, Pa., President; A. P.
SAUNDERS, Clinton, N. Y., Secretary.

AMERICAN SWEET PEA SOCIETY.

Annual convention and exhibition at Boston,
Mass., 1913. WILLIAM SIM, Cliftondale, Mass.,
President; HARRY A. BUNYARD, 342 W. Four-
teenth street, New York, Secretary.

ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twenty-seventh annual convention to be held
at Buffalo, N. Y. September 17-19, 1913. H. M.
TURNER, St. Paul, Minn., President; BELLETT
LAWSON, JR., River Grove, Ill., Sec'y-Treasurer.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Next annual meeting Denver, Colo., August
25-27, 1913. JAMES B. SHEA, Boston, Mass., Presi-
dent; J. J. LEVISON, Brooklyn, N. Y., Secretary-
Treasurer.

AMERICAN GLADIOLUS SOCIETY.

Next annual meeting and exhibition at Minn-
neapolis, Minn., August, 1913. I. S. HENDRICKSON,
Floral Park, N. Y., President; L. MERTON GAGE,
South Natick, Mass., Sec'y.

RAILWAY GARDENING ASSOCIATION.

Seventh annual convention, Nashville, Tenn.,
August 12-15, 1913. C. H. TRITSCHLER Nashville,
Tenn., President; W. F. HUTCHINSON, Sewickley,
Pa., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Peonies.

The peony is one of the most im-
portant flowers to the florist during
the early part of June, and they are
used in large quantities for decora-
tions and other floral work. In cutting
peonies for market especially those
that are to be shipped it is best to cut
them when the first petals unfold, and
allow them to open in water. They
ship much better in this condition and
also last much longer. Where they
are allowed to remain on the plant un-
til open the flowers not only bruise
more or less in transportation, but the
petals drop more easily when the flow-
ers are unpacked if they are open
when cut and made ready for ship-
ment. In cutting the flowers from the
plant, many growers make the mis-
take of cutting too low. The demand
of the customers is of course for long
stems, but for the good of the plant
there should be left two well-formed
leaves upon the stem when the flower
is cut off. This will allow enough
foliage for the plant to continue its
growth and thoroughly ripen off.
Where the plant is cut back too se-
verely the root action is injured and
a diminished number of flowers will
be the result in the succeeding year.
Keep the plants tied up by stakes and
strings outside of the row; a heavy
rain when the plants are heavy with
buds will often knock them down and
ruin many of the flowers.

Ficus Elastica.

While the rubber plants do not en-
joy the popularity that they did ten
or more years ago, yet there is always
more or less demand for good small
plants every fall and cuttings rooted
now and given good culture can be
grown to fine stock at that time.
Every plantsman will have plants of
Ficus elastica that have outgrown the
salable size or have lost many of the
lower leaves and the tops of these can
be propagated during the warm weath-
er. The best way to root the young
plants is on the plant by mossing the
cut. Make an incision in the stem
about half way through, in which in-
sert a small stick about the size of a
match stick to keep the cut open. Bind
around the cut wet moss which should

be firmly tied on with raffia and kept
wet constantly. The plant should then
be placed in a warm, moist house, kept
fairly close, and in two to four weeks
the roots will be seen protruding from
the moss. The top should then be cut
off and potted in a 4-inch or 5-inch pot
and grown in a warm, close house un-
til the roots have become established
in the soil. If a number of these plants
are being grown, a mild hotbed can be
made up outside, built up with boards
so as to allow 18 inches of room be-
tween the soil and glass, and covered
with a shaded sash. Plunge the pots
in the soil and if the frame is kept
close, allowing air only on the warm-
est days, the plants will grow rapidly.
As fall approaches more air can be
admitted and the plants gradually
hardened off and splendid stock will
be the result.

Rambler Roses.

The plants of the different varieties
of rambler roses that were forced for
Easter and late winter flowering will
have passed out of bloom and should
be grown on for another year's flower-
ing, and will make larger plants than
those of this year. These plants im-
mediately after blooming commence
the growth of the wood that will bear
flowers another year, and as the soil
in the pots has become pretty well ex-
hausted they will require potting at
once. Uncoil the canes of those plants
that were twisted into forms and tie
them to a strong stake, for with the
new growths that will be made it will
be almost impossible to keep them to
the shape. New canes will spring from
the base of the plant which will make
fine blooming wood and these should
be given room to grow and mature.
With the plants that were grown in
standard form, such as umbrellas or
parasols, it will be necessary to cut
these young canes out if that form is
to be retained another year, and in-
duce new growth at the top. Re-pot
the plants in a good rose soil, that is, a
compost of three-quarters fibrous
loam and one-quarter old cow man-
ure. Many of the plants will not re-
quire a larger pot, for much of the old
soil can be shaken off, if carefully
done, and the plant re-potted in the

same pot in the new soil. Pot firmly ramming the soil down with a blunt stick. Keep the plants in the shade for a few days until the roots have obtained a hold in the new soil. Then they should be placed outside, the pots plunged in the ground to the rim, and in a place where they can be supplied with water throughout the summer.

Ardisias.

One of the most popular berried plants for Christmas is the ardisia, but it is not grown as generally as it should be, the production being left to a few plant growers, for it is of very easy culture, the only drawback being that it is of very slow growth. The seeds on the old plants are now thoroughly ripened and should be sown at this time. They germinate slowly and should be sown about an inch apart, in rows the same distance apart, and they can then be left in the seed box until early summer, and potted in 2½-inch or 3-inch pots, and grown in a warm, lightly shaded location. They should be potted in good fibrous loam and kept in a moist, close house that all the growth possible may be obtained at this time, for the plant naturally checks in winter. In early spring these young plants will flower and produce a crop of berries for the next winter. The plants that have been grown for three years or more have generally passed the ornamental stage for they lose their leaves and have a "leggy" appearance. When they reach this stage the tops can be rooted and a fine plant obtained. This can best be done at this time of the year by cutting in to the stem and wrapping the cut with wet moss firmly tied around. Keep the plants in a warm, close atmosphere and the moss continually damp, and in four or five weeks new roots will grow in the moss when the top can be cut off and potted, still keeping the plant in the same temperature until new growth starts. This operation will not interfere in any way with the plants blooming for they frequently set an abundance of buds while the top is making new roots. The brown scale is the greatest enemy of ardisias even in the young stage and they must be removed at once when found for they sap the strength of the plant. The older plants should be frequently sponged with strong nicotine solution.

Foliage for Design Work.

During the hot summer weather, it is often difficult to obtain what might be called select flowers for funeral work, but orders will be received for some very nice work and the dealer is at his wits' end to supply or obtain the necessary materials. The retailer having a greenhouse can readily have a good assortment of high colored foliage plants that make most beautiful designs for just such an occasion. The crotons are particularly adapted for this purpose, and a few plants kept growing in the house, especially the varieties bearing large and highly colored leaves, will give a supply which can be had at any time. The Rex begonias are also very useful for making designs and the silver leaved ones make beautiful work with other foliage. Begonia metallica and B. argentea guttata are also good plants to grow for design work, and there are a number of other plants of variegated foliage that can be used for this purpose. All of this foliage is quite soft

during the summer and unless properly prepared, wilts quickly. The leaves and branches should be cut the day before and allowed to stand in a tub of water over night, and they will then absorb enough water to stand up for a long while.

THE RETAIL TRADE

Conducted by Robt. Kift. Philadelphia, Pa.

American Eagle in Flowers.

The floral American Eagle in the accompanying illustration was designed by Alfred T. Bunyard, Madison avenue and Forty-eighth street, New York, for the opening of the Eagle cafe in that city. The eagle measured nine feet from tip to tip of wings, and two



E. G. Hill.

thousand red and white carnations were used to complete it. The tree scheme was of white flowering almond, the base being filled in with Richmond roses. The height of the design was nine and a half feet.

A. F. F.

Another Foreign Delivery Triumph.

A customer came into the store and said, "The S. S. Caronia arrives at Liverpool about April 15 or 16 from a Mediterranean trip, and I would like some corsage bouquets delivered on board the ship or at the wharf." Not knowing a good correspondent at Liverpool, I wrote a nice letter to the postmaster, including the money for the bill, and asked him to transfer this order to a good Liverpool flower shop. On May 2 I received a letter from the florist who filled the order and I am much pleased with it, because it shows the good spirit the English florist has towards our American orders, and it is well worth while for the members of the Florists' Telegraph Delivery to get a chain of reliable florists all around the world. Although they had some trouble in filling this order they enjoyed making the delivery just the same. The following is a copy of the letter:

Liverpool, Eng., April 19, 1913.
Dear Sir:

We received your letter from the postmaster last Monday and on en-

quiring about the "Caronia" we found it had arrived on Sunday and the Cunard office could give us no information regarding the ladies. We then phoned all the hotels where they were likely to go, but without success. However, on Tuesday we sent a messenger down to the purser on board the "Caronia" and he told us the ladies were going back to America the following Saturday. Therefore we sent the flowers down to the "Carmania," and they were placed in the ladies' own cabin.

We were very pleased to receive your order and will be pleased to execute any orders you might be good enough to send us.

Yours truly,

Turner Bros.

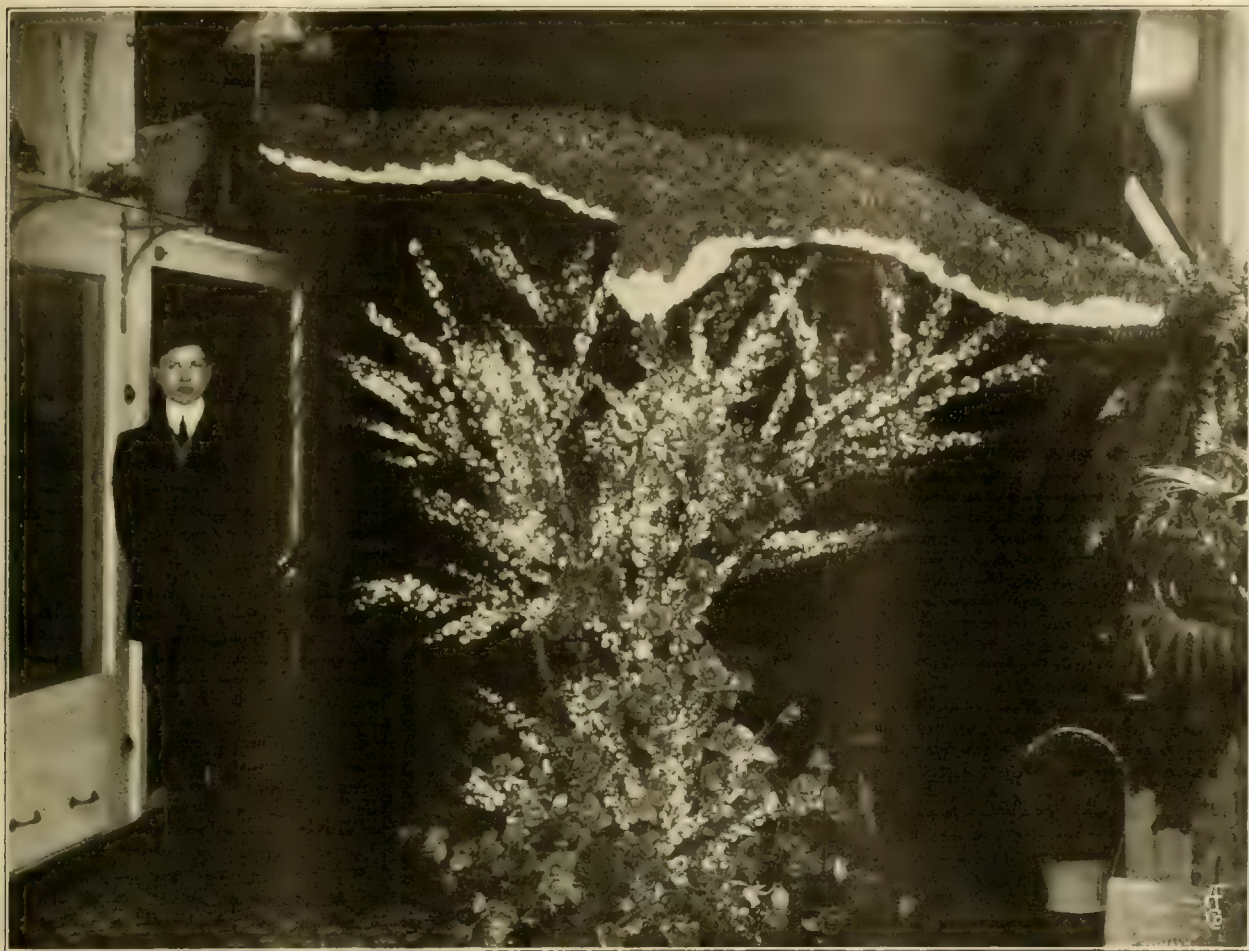
These deliveries are becoming more frequent and when we get a complete list of all foreign reliable retail florists we can come before the public and make this an everyday affair. The Florists' Telegraph Delivery is working hard on this problem, and will solve it before long for the benefit of its members. Being a member of the Florists' Telegraph Delivery then will be thought a great deal more of than at the present time, and it will make every retailer help to work and advertise these facilities.

The average retailer only has in mind the coming-in orders, but he does not realize that the going-out orders are almost as profitable, as it means a net profit of 20 per cent with no more work than to write a letter or send a telegram. We now have quite a number of foreign correspondents, but the chain is not complete enough to be sent out to our members. However, anyone wanting an address in any country may drop me a card and I will let him have the address at once.

ALBERT POCHELON, Sec'y.

Suggestion For a May Window.

Like the "Fetes des Narcisses" which take place during May in Switzerland, where that stately flower grows wild on the mountain slopes—let us feature this flower when the supply is plentiful by devoting a special window display showing it to the best advantage. While all good Americans cannot attend the May day festivities in Switzerland, they can take home a goodly bunch for the dining room table. A rustic stump is always a good setting and by using green sheet moss around it will help to emphasize the effectiveness. Place on this an immense copper bowl filled with narcissi. Also arrange small white baskets with growing narcissi enhancing their beauty by using a number of small growing ferns as a finish. A large tray covered with green moss can be placed in the foreground on which arrange narcissi nosegays. On the sides of the window and where most effective arrange automobile vases and baskets with the same flowers, using a little fern as a softening. Or you can use the French method of scattering tall vases (they should be of crystal) here and there, filling each one with narcissi around which a white lacette bouquet holder can be prettily fastened. Make some bouquets in loose manner, some in the Colonial, or round flat effect and some in the pyramid style with a suggestion of maidenhair fern. Place on each bouquet a dainty printed card stating the kind of bouquet. That is, specifying whether the design is the French or Regent street nosegay, the



AMERICAN EAGLE DESIGNED BY A. T. BUNYARD, NEW YORK.

Colonial or pyramid design and so forth.

A funeral piece can also be made of narcissi around which a mat of tea ticking or raffia may be placed artistically. The double bunch tied with a wide sash ribbon in through the center would be the most effective piece. Or a crescent design could be prettily fashioned of narcissi. Place tall palms in the background of your window and if a touch of color is desired a fine vase of American Beauty roses will add to its effectiveness. Let us emphasize the flowers of May in our window displays for every day of the month the narcissus with its beautiful clusters bursts into bloom.

A. E. K.

Roses and Cannas.

EDITOR AMERICAN FLORIST:

What are the names of eight or ten of the best roses for outdoor bloom and the best dwarf cannas?

Pennsylvania. J. F. R.

The following roses are among the best: General Jacqueminot, Hermosa, Kaiserin Augusta Victoria, Frau Karl Druschki, Prince Camille de Rohan, White Cochet, Pink Cochet, Paul Neyron.

Some of the best dwarf cannas blooming are the following: Queen Charlotte, golden edged, 3½ feet; Niagara, golden edged, 3 feet; Venus, rosy pink, 3 feet; Chas. Henderson, scarlet, 3½ feet; Indiana, orchid flowered orange, 4 feet; Paul Marquant, yellow, 3½ feet. C.

THE ROSE.

Roses in the United States.

E. G. Hill, of Richmond, Ind., in the English National Rose Society's Annual for 1913.

In average winters, over a great part of our country, we have a wonderful abundance of sunshine which enables us to grow roses and to bring them into bloom in the coldest weather, at least a few varieties so lend themselves, and these few sorts are grown in enormous quantities.

Our rose houses are now constructed on scientific lines, giving the freest possible admission to every ray of light and of sunshine. Very light wrought iron is used for a skeleton, just strong enough to support the slender wooden sash bars and the double-strength glass which form the roof. These modern glass structures are nearly all heated by steam in radiating pipes varying from 1¼ inches to 2 inches in diameter; a vacuum pump is used to clear them of the water formed by condensation; a temperature from 56° to 65° Fahrenheit is required according to variety. The houses vary from 200 feet to 1,000 feet in length, and are of varying widths, running from 60 feet down to 32 feet; the benches on which the roses are grown are four feet to five feet wide. The bench bottom is either of cypress boards, four inches to six inches in width, and spaced three-fourths of an inch apart for drainage, or it is of ordinary porous drain tile; everything possible is done to make sure of a quick drying out of the soil

after watering. A few growers use what are called solid benches; these are constructed by first putting in a porous 4-inch drain tile, over this eight inches or 10 inches of broken stone, and upon this the soil is spread, usually about 10 inches, while on the shallow board and tile bottoms only four inches to six inches of soil is used.

SOIL AND STOCKS.

The preparation of the soil is very important; virgin sod wherever possible is used, composted with one-fourth well rotted manure, to which is added a good sprinkling of bone flour. Nearly all our growers now prefer plants grafted on manetti for indoor work, as they produce a stronger growth, and are not liable to the root disease of own-root stock; some of the yellow-flowered sorts, like Perle des Jardins and Sunburst and some others, have an inclination, as the season goes on, to canker at the union, but nearly all of our forcing varieties do admirably on manetti. Briar stocks, either seedlings or from cuttings, are never used for winter forcing, as this stock has a decided tendency to go dormant in the short days, and nothing alarms the rose grower more than to see his forcing roses getting "sleepy" in mid-winter. The young grafted plants are shifted on, absolutely without check, until they are established in 4-inch pots, when they are planted in the soil of the benches, which is done any time from March till the first of July, according to the plans or the convenience of the grower.

The rose plants are spaced 12 inches to 36 inches apart and are kept carefully tied to wire stakes; they are given frequent top dressings of old pulverized manure, both horse and cattle, and also very light and frequent sprinklings of sheep manure, dried blood, etc. Quite a number of growers boil their manures in a vat, with steam pipes, before applying, and certainly get good results. Rose plants treated as above will have attained a height of three feet or over by January 1. Red spider, thrip, the leaf-roller, and greenfly demand constant attention, as well as mildew and the disease known as black spot; this last disease is the dread of the growers of American Beauty (Mme. Ferdinand Jamin).

BEST VARIETIES TO GROW.

Only a limited number of varieties can be forced profitably in the winter, and the grower wants to be reasonably sure of a good return per square foot of glass before admitting a variety to his benches. The four Killarneys, White Killarney, Double White Killarney, Killarney Queen, and the original Killarney hold a very large proportion of the space allotted to forcing roses the country over, with Double White and Killarney Queen entering their final test the present season. Double Killarney has been discarded because of its faded color, and Pierson's Dark Killarney is too slow in growth; if the splendid growth of the former could be combined with the glorious color of the latter, we should have little left to desire in a red rose.

Richmond is still our only red at present, and likely to hold first place for some time to come; Meteor, a lovely red rose, was discarded long ago because it required too high a temperature, making it expensive to produce; and My Maryland, a lovely pink, must be kept at 65° or it will go to sleep in mid-season.

Radiance, an American introduction, is in considerable favor and is being grown in good quantity; the new yellow varieties are in high favor, Mrs. Aaron Ward being a great favorite with flower buyers, being especially adapted for corsage bouquets and for table bowls.

Sunburst has fine forcing qualities, and is a wonderful keeper, lasting splendidly on or off the plant. Lady Hillingdon has its admirers, and is planted in good numbers in the east;

it is best in mid-winter. The writer predicts a great future for Sunburst as it is a strong grower, with handsome foliage and grand bud, a fit companion for the best grade of Killarney, but Mrs. Aaron Ward holds a place of its own with the ladies, and is deeply entrenched in their affections.

Antoine Rivoire is largely planted and is growing daily in popularity; a bunch of it is a beautiful sight; its canes are long and stiff, its foliage ample, and the flower is lovely in color and form; this is the variety traveling under the synonym of "Mrs. Taft";



W. D. Desmond.

Sept. at L. S. Donaldson & Co.'s, Minneapolis.

the explanation of the synonym is that the bundle of Antoine Rivoire reached this country without a label.

Mrs. Geo. Shawyer is destined to find a place, for it is one of the most vigorous growers, producing large quantities of buds on long stems; Rose Queen, Melody, Mrs. David Jardine, and Rhea Reid, are all grown in limited quantities; in certain localities one or other of these sorts flourishes amazingly, but with the majority of growers they have been disappointing.

American Beauty (Mme. F. Jamin) is grown by the hundred-thousands;

some places are given over entirely to this one variety. It brings the highest price of any cut rose, and is eagerly sought on account of its fragrance, its long stiff stem, its grandly beautiful leafage, as well as the loveliness of the bloom. An incident in the history of this rose may be familiar to some of my readers. The late Hon. George Bancroft, the historian, was a great lover of the rose, and after his demise a beautiful variety, without a label to disclose its identity, was found growing in his garden. A former countryman of yours, Geo. Field, discovered the value of his rose for forcing, and the provisional name of American Beauty was given to it, which name has clung to it ever since, and now it would be impossible to change it.

QUALITIES OF GOOD FORCING ROSE.

It might be interesting to tabulate the qualities that a rose must have before it can secure a place as a forcing variety: 1—A strong, clean, free growth; 2—A long, shapely bud, erect and pointed; 3—Not too many petals, or it will not open well in dull weather; 4—A resistant texture, that will make it a good keeper and shipper; 5—A strong stem and good foliage; 6—The color must be true; if pink, it must not shade into lavender; if red, it must never "blue"; if yellow, the tone must be intense; 7—It must produce bloom freely, otherwise it cannot be grown profitably; 8—And it must not show the slightest tendency towards going dormant in the winter; 9—It should be fragrant; 10—It must prove popular.

Do you wonder that, out of the thousands of roses in existence, so few answer our requirements for winter forcing in America? La France, Mrs. W. F. Grant, and its sport, Joseph Lowe, Wellesley, Papa Gontier, Liberty, Mme. Hoste, Mme. Caroline Testout, Muriel Grahame, Golden Gate, Sunset, Sunrise and Mme. Cusin, have all had extensive trial but are now discarded. Catherine Mermet, and its sports, the Bride and Bridesmaid, had the longest run of popularity, but they have practically passed off the stage. Kaiserin Augusta Victoria is a favorite for summer growing under glass, but in our northern states it produces few flowers during the five coldest months.

Our firm has made a specialty of testing new roses, both our own seedlings and the importations, and many



L. S. DONALDSON & CO.'S GREENHOUSES, MINNEAPOLIS, MINN.



GARDEN FOR OUTDOOR EXHIBITS AT THE MINNEAPOLIS CONVENTION.

and grievous have been our disappointments. The writer has seen charming roses at Lyons, interesting varieties at Trier and Luxemburg, grand novelties in England, and seductive seedlings in Ireland, yet how few of them gain a foothold in America!

M. Pernet-Ducher's novelties not yet disseminated have great promise, especially in the line of yellows, and as they are close kin to Sunburst and Mrs. Aaron Ward, we hope for some clear, bright shades of golden hue; and in the Irish rose fields last July it did look as if the ultimate had been reached; critical judgment fails one in that genial air, but it does look as if Killarney has some fine cousins who will migrate to this country at some not far distant day. Garden roses are a different matter; our country is so large, our climatic conditions so various, that a congenial home can be found for any rose in existence within our borders, and our own Pacific states stand unrivalled in the magnificent blooms produced.

ALLENTOWN, PA.—Chas. F. Berke-meyer, proprietor of the Ellsworth Flower Shop, has moved from 17 North Sixth street to 1103 Hamilton street.

STOCKTON, CALIF.—M. J. Shaw, proprietor of the San Joaquin Floral Co., has filed a petition in bankruptcy, listing assets of \$6,459.64 and liabilities of \$1,749.

LOS ANGELES, CALIF.—The Luther Burbank Co., has opened offices in the Van Nuys building, with Bingham Thorburn Wilson, the author, in charge.

News from the Convention City

Society of American Florists. ADVISORY BOARD MEETING.

A meeting of the advisory board was held at Minneapolis April 29-30, at which were present all of the committee, also C. H. Critchell, Cincinnati, and John Young, secretary of the S. A. F. The general situation regarding the trade exhibition was reviewed and plans laid whereby the exhibitors in the trade section would be given sufficient space by widening the aisles more than has been done in past exhibitions of this kind. Both the Auditorium and the Coliseum are magnificent, large, light halls, and all the exhibition space will be on the ground floors. All materials for structural work will be placed in the Coliseum. At no previous convention has there been such favorable opportunities to make displays. In view of the fact that the outing day will be the fifth of the convention, it will give the trade people another day for business without having any event to detract the attention.

The most impressive thing so far is the wonderful work that had been accomplished by Theodore Wirth and others in Minneapolis in conjunction with the outdoor plant exhibition. Adjacent to the Armory, where the convention will be held, the surroundings of the outdoor exhibit are naturally beautiful, and it behooves the growing interests to give every support to this laudable undertaking, this being the

first time when by arrangement the society is in a position to guarantee the plantmen that their exhibits will be cared for and grown on under every favorable condition, having the constant attention of competent help who will be under the supervision of Mr. Wirth.

Everything is ready for immediate planting, but as the space is limited, application should be made at once to Secretary John Young, who is superintendent of the trade exhibition. He will forward applications immediately to Mr. Wirth. This outdoor plant exhibit will be a success and will be one of the features of future conventions. The price of space is nominal—only sufficient to cover the expense of planting and maintenance of the plants during the season. Outdoor plant exhibits must be shipped, charges prepaid, to Theodore Wirth, superintendent of parks, Minneapolis, Minn., marked (Convention Exhibit).

JOHN YOUNG, Sec'y.

Minneapolis Greenhouse Establishments.

Floriculture in Minneapolis, Minn., is nearly as old as the city itself. In 1857 Dr. Alfred E. Ames, uncle to the famous Dr. A. A. Ames, instructed his brother, then a consul in Hamburg, Germany, to send him a gardener. Wm. Buckendorf was engaged. He, therefore, was the first florist. A year later they built two neat greenhouses on Eighth avenue south, between Fourth and Fifth streets. For several years these greenhouses were kept for private use only, when Mr. Buckendorf decided to operate them for commercial purposes. In 1866 Mr. Buckendorf built a greenhouse on his own property, Fourth street and Sev-

enth avenue south. This ground was sold for building purposes and in 1890 Mr. Buckendorf built another house on Fourth avenue south and Seventeenth street, which was discontinued in 1900.

In 1862 Wyman Elliot, having a large nursery on Park avenue, built two greenhouses where Elliot park is today. In 1865 R. J. Mendenhall decided to have a few small greenhouses for his private use. He engaged Henry Buckendorf, a brother of William Buckendorf. They began in a small way and kept enlarging until the plant was one of the foremost in the country. This was located on Nicolet avenue and Eighteenth street south. First avenue was not opened up at that time. After this plant covered a city block and some space across the street, another one was started at Twenty-eighth avenue south and Thirty-eighth street. In 1903 Mr. Mendenhall sold out to L. S. Donaldson, and one year later the greenhouses were torn down.

About the same year Mr. Mendenhall started, George Brackett built a greenhouse where the City hospital is now located. This was operated a few years by Mr. Brackett, with — Boose as florist, and later — Kilvington in the same capacity. In 1883 Mr. Kilvington built a greenhouse near Lakewood cemetery on Hennepin and Thirty-sixth street south, which has been dismantled for many years.

In 1880 — White started the establishment on Twenty-second avenue and Garfield street, N. E., which now belongs to O. H. Carlson. Mr. White had a nursery, a dairy, and one small greenhouse. This was purchased in 1905 by O. H. Carlson and rebuilt into a modern plant. The same year C. A. Smith erected a plant at 3501 Portland avenue, which he operated until 1899, when it was bought by L. S. Donaldson. Mr. Donaldson has been running this in connection with his department store. W. D. Desmond is manager.

In 1886 Wesling & Hartman, then two young men, started what is now Lakewood Cemetery Greenhouse on Hennepin and Thirty-sixth street. Two years later they separated. Mr. Hartman remaining on the old place, and Mr. Wesling building in his present location, 3538 Hennepin Avenue. The same year Fred Bush began the erection of his present handsome plant on Lyndale and Fiftieth street south, then far out in the country. In 1888 John Vasatka started on Chicago avenue and Thirty-fourth street south and he is still doing business at the same stand. In 1887 Henry Bartsch opened up on Twenty-fourth street and Twenty-ninth avenue south. Five years later he moved to Sixth avenue north and Irving, where he stayed until he discontinued business a few years ago. In 1888 E. Nagel commenced the greenhouse now owned by his son, T. Nagel, on 1118 West Lake street.

About the same time Henry Buckendorf started in business on Aldrich avenue north and Western avenue. He stayed there until a large factory building was erected which obscured practically all the light, so he sold out to the factory and retired. Aug. Swanson began what is now called Merriam Park Greenhouse in 1882. Mr. Swanson kept enlarging this plant until it became a leader in the Twin Cities. He leased it a few years ago to Kaiser & Welander. Washburn, Desmond and Sunnyside greenhouses

were built in 1890. Mr. Desmond's house on Portland and Twenty-fourth street, was sold in 1893 to R. J. Mendenhall. Gust Malmquist directed the building of Senator Washburn's greenhouse on Stevens avenue and Twenty-fourth street, and the last few years he has been running it on his own account. The Sunnyside greenhouse at 817 Fifth avenue S. E. was built by Miss Hilliker and it is now owned and operated by her husband, Walter Pier.

R. Will laid the foundation of the extensive plant of the Will Bros. Co. in 1892. It was run on a small scale until 1901, when the old houses were torn down and large modern houses built in their place. In 1898 the Drake greenhouse on Fourth avenue south and Lake street, was built. In 1900 John Munson commenced the plant of the Minneapolis Floral Co., Thirty-



Adolph Farenwald.

sixth street and Calhoun boulevard. By building additions from time to time this has become a leader in size. About this time greenhouse building became quite popular. In 1901 Sauer & Rosacker built the plant of the East Side Floral Co. at 1621 Adam street N. E. The next year Hans Rosacker started his own plant on Nineteenth avenue N. E. and Stinson boulevard.

Robert Stern built a greenhouse on Thirty-eighth avenue north and Girard in 1904. The same year — Drake erected a building across the street. Both plants are now operated by Mr. Stern. Two years later the following greenhouses were erected: Thos. Hall, Lyndale avenue and Thirty-sixth street south; Julius Rieck, 1318 Washington avenue north; Hiawatha Gardens Co., 3406 University avenue S. E. In 1911 the latter company built another plant on Lyndale avenue and Fifty-seventh street south. The same year Hopper & Magnusen built the plant of the Central Floral Co. on Central avenue and Twenty-sixth avenue N. E.

The park board started to build a greenhouse ranch at the Lyndale Farmstead, Thirty-eighth street and Bryant avenue south in 1897. Additions have been made since then. The plant now consists of five growing houses and the total amount of glass is 12,000 square feet. This completes

the list, but material is already on the place of John Vasatka, Chicago avenue and Forty-third street, for a new modern plant.

Up until 1900 every grower was his own retailer and there were only two retailers, namely, Miss H. B. Whitted, who began in 1894 and Aug. Swanson in 1898. We now have a large number of stores. Thos. Lynes opened up in 1901, and R. Latham in 1903. In 1906 Miss H. B. Whitted moved to Fifth street and opened another store at Tenth and Nicollet in 1910. In 1912 she opened a store in the Radisson hotel building.

O. E. Amundson began business in 1904 and Carl Lindskoog in 1907. In 1912 W. F. Holmes and W. H. Boffferding went into business. In addition there are candy and grocery stores which handle flowers as a side line, too numerous to mention. In 1900 Brant & Noe of Chicago opened up a commission house in Minneapolis, with Cal. Rice in charge. After a year's experience this was discontinued as not being profitable. After this, Cal. Rice and Arthur Rice continued the business under the name of Rice Bros. From a very small beginning, they now have a fine up to date establishment.

Affiliation.

Address by Adolph Farenwald before the Philadelphia Florists' Club.

Affiliation is the proper word for the subject on which I am going to talk to you tonight. It means to adopt children. Some of you have possibly seen my article, "Straight Talk." Your essay committee thought it wise for me to go into this subject a little more thoroughly, and as it is of vital interest to us all, I gladly consented. I start right off by giving you the kernel of the nut. Our national society, the S. A. F., should adopt all florists' clubs membership as her legitimate children, with \$1.50 as dues, thereby getting a membership from ten to fifteen thousand on short order. Why should we do this? Because the S. A. F. has not enough members and funds to do its great mission justice. It is a national society without power, and it is up to us to give it that, so it can help all of us. Now, what can it do for us?

First, it should have a press bureau. This, to look after our interests which are jeopardized by false statements in newspapers; to send out educational articles, such as we have had lately in Philadelphia papers; to advertise nation wide. Second, it should have means to pay men to look after our interests regarding tariff, or other legislation. It should be able to get into line, either by itself or with other merchant societies, to fight excessive freight or express rates. Such matters as these should be taken care of by the S. A. F. for the benefit of its members. The S. A. F. through lack of funds, is not able at the present time to give us the necessary assistance in these matters.

For a single business man to attack a corporation is simply useless—a waste of time and money. For instance, there are the coal-carrying roads through the East. They are charging for the hauling of the coal as much as the coal itself costs. Other business corporations have taken this matter up to fight it, but our national society is not able to stand in the firing line. We growers, as an ag-

gregate, are large coal consumers, and to have our expenses for freight reduced is only proper economy. The same way with the express companies. We are continually overcharged on those lines. The redress carried through by the S. A. F. for us some years ago against the express companies was a short-lived victory, as the express companies, inside of a year, were, in most places, back to their old rates, or nearly so, as the S. A. F. did not have the necessary means to follow up our success against them.

told us here one evening that we are all in the same boat, and he is right. Or, in other words, we have all the same interest—floriculture is our boat. It doesn't matter if a cut flower or a plant grower, retailer or commission man, our aim is to advance this boat with as little friction or damage as possible, as by this time it has grown to very large proportions; in fact, so large are its proportions that it is often rubbing its sides or running into the mud. We are today in the same fix with our boat, Floriculture, as the first great steamboat was, the Great

us much good along those lines I have mentioned and others. In fact, what little the S. A. F. has done has been done mostly through the generosity and earnest desire of some of its most loyal members, at their own expense of time and money.

Fellow members, we have a national society, which, if properly backed up by the majority of the men in our profession, could give us splendid results. But, we must not stand pat, we must all be willing to do our little share in this crusade for the regeneration of our national society. The florists' clubs all over the country are the offspring of the national society. They are all strong and in a healthy financial condition. There should be no objection whatever to giving back to our national society what is actually her due. It will strengthen not only the S. A. F., but the florists' clubs all over the country as well. Nobody who has the least idea of the importance of our business, should have any objection to paying \$1.50 a year to be a member of the S. A. F. We should have no trouble whatever in making it the strongest commercial horticultural society in the world, able to take care of its members, and by so doing solving the many conditions which, at the present time, are very perplexing.

I know it is uphill work. President Wilson, in his last week's speech at Trenton, said: "It takes courage for a handful of men to start a battle." I hope that all of you members of the Philadelphia Florists' Club will be with me, will be that handful of loyal men to do our best to bring about a larger and more useful national society, worthy of the great cause it stands for.

Dairying Helps Floriculture.

That progressive gentleman, Joseph Heacock, began commercial life raising garden vegetables for the market and drifted from that into the greenhouse business, then specialized as a rose grower, which soon made him famous. Later he took up the culture of palms and worked up the largest stock of home-grown plants in this country until his trade extended from coast to coast. Orchids were then taken hold of in his energetic way with the result that his is now one of the largest commercial collections in the state. As the business grew it was



DAIRYING HELPS FLORICULTURE.

Cowshed at Joseph Heacock's Farm, Roelofs, Pa.

The daily press goes on unchallenged when it comes out and tells the flower-buying public that prices for Easter, or other holidays, on roses and other flowers, are going to be very high, and that only millionaires can afford them. Such nonsense. There is where a press bureau should take hold. Or, the agitation against flowers at funerals. You all know that our business is hurt by such wrong statements, and our central press bureau would be the best and the only place to fight against it. The education when and how to use flowers is a problem for this bureau. Skillfully written articles, such as have been appearing in some of the Philadelphia papers, will educate the public and make them ashamed to wear artificially made flowers.

There is the tariff which should be taken care of by our national society. Just a few days ago, I received a communication telling in what shape the tariff on plants is at the present time. In many respects it was simply ridiculous the way it was worded. This should have been taken care of by our society. Sometimes it has taken care of it through some of its most interested members, who spent their time and money to work for the interests of our profession. But we cannot always ask these men to do so without the proper recompense. This time, it seems, it has passed over—nobody has paid any attention to it, and this ridiculous tariff will go on for another period.

Gentlemen, there are so many important jobs for the S. A. F. that I cannot go into them all. I just give some of the most important lines along which it should use its power. But, fellow members, such a great task cannot be performed by a few. Wallace Pierson, a few weeks ago,

Eastern, years ago. I think it was about eight hundred feet long, but it lacked powerful engines and steering gear to make it a success.

Twenty-seven years ago, when this boat of Floriculture was a youngster, some of our best captains then put a new and most up-to-date set of engines and steering gear into it, called the S. A. F. It then, and for several years after, did its work well. But as this boat of Floriculture has grown so large, and steering gear and engines have not increased in the same proportion, its rudder of twenty-seven years ago is not able to keep us straight, and we get bruised and run into the mud. We need larger machinery and steering gear, which means membership and money. Without larger membership and increased funds, our national society cannot do



DAIRYING HELPS FLORICULTURE.

Buildings at Joseph Heacock's Farm, Roelofs, Pa.

necessary to add new greenhouses, which finally completely covered the ground at Wyncote, Pa. The natural growth of the business compelling the erection of more greenhouses, a farm of fifty acres was purchased at Roelofs and a house of the latest type, 50x600 feet, was erected. This was devoted entirely to rose growing, requiring 16,000 plants to fill it. This venture was very successful and prompted the building of another and still larger structure 72x600 feet. This house is also entirely planted in roses and gives promise of splendid returns.

The question of enough fertilizer in the shape of cow manure which is recognized as the best material for the purpose, has been solved in this case, as with a number of other large growers, by having it made on the premises. With this end in view another farm of 100 acres adjoining the original purchase was added and Mr. Heacock soon had this stocked and running to quite the equal of any of the farms in this section. The dairy is the feature of this farm. It is up to date in every respect, nothing being left undone that would at all add to its efficiency. The herd consists of eighty head of cows, two-thirds grade Holstein, one-third grade Guernsey. They have all been examined and declared free of tuberculosis. Their stable is sanitary to a degree. The floor is of cement with the trough of the same material in front and a gutter behind for the manure. This gutter is kept cleaned and flushed as often as necessary, everything being collected in a large underground cistern situated some distance away towards the stable, from which it is pumped directly to the rose beds. It is considered the most economical way of handling manure and the results are all that could be desired. Two modern silos eighteen feet wide and forty feet in height are large enough to contain all the corn from 45 acres of ground. A large air shaft that rises between them affords complete ventilation for the entire stable. A chicken house adjoining contains something over 300 fowls, while five head of horses and some twenty-five hogs at another barn make up the balance of the live stock.

The roses in the houses are in splendid shape. Cutting has been continuous since November and full crops are now in sight. Of the new varieties, Radiance looks as if it was a "comer." The growth is splendid and the flowers are borne on a stout long stem that commands for them a top market price. Mrs. Aaron Ward has not done well through the winter although it gives promise of coming into good crop soon. Lady Hillingdon is ideal in every respect except for the stem, which is too weak. It is thought that by careful growing this may be overcome to a certain extent. The mild winter has been a disadvantage to the proper growth of the plants. Without fire heat the beds do not dry out fast enough in mid-winter and water, which is so essential, could not be given.

K.

OMAHA, NEB.—The city has been made a present of a greenhouse and its collection of tropical plants and flowers belonging to George A. Joslyn. They will be transferred to Hanscom park.

Tariff Amendments Adopted.

We are pleased to be able to advise you that all of the following amendments to Tariff Bill H. R. 3321 have been adopted by congress in response to our demand for a tariff free from the errors and ambiguities in former tariffs.

No. 1—Page 53, line 11, section 215, the words "and all other decorative or greenhouse plants" are omitted. This will make orchids, palms, azaleas and cut flowers dutiable at 25 per cent advalorum, and all other greenhouse or nursery stock not otherwise stated at 15 per cent advalorum under section 216. This will prevent disputes as to what is greenhouse stock or nursery stock.

No. 2—Page 53, line 14, section 215, the word "bulbs" is added after hyacinths. This changes "hyacinth clumps" to "hyacinth bulbs," dutiable at \$2.50 per 1,000 bulbs.

No. 3—Page 53, line 16, section 215, the word "herbaceous" is prefixed to peony. Some peonies as Peony Moutan are grafted shrubs and not bulbs, and are dutiable at 15 per cent advalorum under section 216 instead of \$10.00 per 1,000 under section 215.

No. 4—Page 53, line 18, section 215, changed so as to read, "all other roots, rootstocks, corms and tubers." This will aid in exact classification and avoid expensive disputes.

No. 5—Page 53, line 22, section 216, the words "Rosa rugosa" are added after multiflora. This is a most important change. It makes Rosa rugosa seedlings 3 years old or less dutiable at \$1.00 per 1,000, unquestionably. The government cannot say now, collect duty of \$4.00 per 1,000, as roses on Rosa rugosa seedlings are sold at \$3.00 per 1,000, as under former tariffs. This will save honest importers much expensive litigation and will largely prevent fraudulent entries of budded roses as briar roses.

No. 6—Page 122, line 6, section 600, the word "coniferous" is prefixed to evergreen seedlings and the words "four years old or less" are added. This correction is of inestimable value to the government and honest importers; it should prevent boxwood, bay trees, rhododendrons, Koster blue spruce, kalmias, etc., being brought in free by reason of fraudulent entries as evergreen seedlings; it will also make large evergreens 5 years

old or more dutiable at 15 per cent advalorum under section 216.

These amendments correct and simplify the tariff immensely as applied to horticultural imports. It will make it much easier for the customs officials to detect and correct fraudulent entries, it should avoid expense to honest importers now that "evergreen seedlings," "briar roses," etc., are defined, and it will largely prevent the confusion and abuses which have arisen under former tariffs owing to incorrect varying treasury decisions handed down at different ports of entry on the one item. These amendments do not change the rates of duty on proposed tariff in any way; to have recommended them would have meant the defeat of our important demands—a tariff free from errors and ambiguities.

Let us take this opportunity of thanking you, the government officials, congressmen and the numerous friends in the trade who have helped and supported us in this campaign, the benefits of which are obvious to every florist, nurseryman and seedsman in the United States who either directly or indirectly handles imported stock.

McHUTCHISON & Co.

Meredith Flower and Vegetable Co.

The annual spring opening of the Meredith Flower and Vegetable Co. was held at its greenhouses at Libertyville, Ill., on Thursday, May 1. The opening was largely attended by the residents in the immediate vicinity and from several of the smaller towns farther north in Wisconsin. It is impossible to state just how many were present for the crowd kept coming and going all afternoon, but it is safe to say that nearly 200 people were presented with a carnation on that day. The Meredith people have 50,000 feet of glass and grow principally roses, carnations and bedding plants. J. E. Meredith is the general manager of the concern and Mrs. Ida Latshaw looks after the local interest. The firm disposes of nearly all its own output direct from Libertyville, shipping what surplus remains to the Chicago market. Business has been so good the past year that the firm will in all likelihood build an addition this summer. H. Nelson, Frank James, George Hedaike, foreman of the rose, carnation and plant departments, ably assisted the manager in escorting the vast crowd of sightseers through the plant on outing day.



ANNUAL OUTING AT MEREDITH FLOWER AND VEGETABLE CO., LIBERTYVILLE, ILL.

Gronna Seed Bill.

S. 480. Introduced by Mr. Gronna, April 8, and referred to Committee on Agriculture and Forestry.

A BILL to prohibit the interstate shipment of impure seeds.

PAGE 1

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress Assembled:*
3 That the shipment for seeding purposes from one State,
4 Territory, or District of the United States into another State,
5 Territory, or District of seeds of alfalfa, barley, Canadian
6 blue grass, Kentucky blue grass, awnless brome grass, buck-
7 wheat, clover, field corn, Kafir corn, meadow fescue, flax,
8 oats, millet, orchard grass, rape, redtop, rye, sorghum, tim-
9 othy, wheat, or any other cereal or grass seeds, or any
10 vegetable seeds or flower seeds, or mixtures of seeds contain-
11 ing any of such seeds as one of the principal component parts,
12 which are adulterated or unfit for seeding purposes under
13 the provisions of this Act, is hereby prohibited; and the
14 Secretary of Agriculture shall make such rules and regula-

PAGE 2

1 tions as will prevent the shipment of such seed from one
2 State, Territory, or District into another State, Territory, or
3 District: *Provided*, That this Act shall not operate to pro-
4 hibit the shipment of seeds for the purpose of cleaning them
5 before offering them for sale, but such shipments shall be
6 made in accordance with and be subject to such regulations
7 as the Secretary of Agriculture may deem necessary to pre-
8 vent the misuse of this privilege and the Secretary may, if
9 he considers it advisable, demand of the owner or consignee
10 a bond that such seed, before it is offered for sale, will be
11 cleaned to the standard of purity specified in this Act or such
12 standard as may subsequently be established by the Secre-
13 tary of Agriculture under the provisions of this Act; and
14 such bonded seed shall not be released until the screenings
15 and other refuse shall have been disposed of in a manner
16 prescribed by the Secretary of Agriculture.

17 SEC. 2. That seed shall be considered adulterated within
18 the meaning of this Act—

19 First. When seed of red clover contains more than
20 three per centum by weight of seed of yellow trefoil or any

21 other seed of similar appearance to and of lower market value
22 than seed of red clover.
23 Second. When seed of alfalfa contains more than three
24 per centum by weight of yellow trefoil, burr clover, and
25 sweet clover, singly or combined.

PAGE 3

1 Third. When any kind or variety of the seeds, or any
2 mixture described in section one of this Act, contains more
3 than five per centum by weight of seed of another kind or
4 variety of lower market value and of similar appearance:
5 *Provided*, That the mixture of the seed of white and alsike
6 clover, red and alsike clover, or alsike clover and timothy,
7 shall not be deemed an adulteration under this section.
8 SEC. 3. That seed shall be considered unfit for seedling
9 purposes within the meaning of this Act—

10 First. When any kind or variety of clover or alfalfa
11 seed contains more than one seed of dodder to five grams
12 of clover or alfalfa seed, respectively.

13 Second. When any kind or variety of the seeds or any
14 mixture described in section one of this Act contains more
15 than three per centum by weight of seeds of weeds.

16 Third. When the percentage of germination of any of
17 the seeds or mixtures described in section one of this Act is
18 less than ninety.

19 SEC. 4. That the Secretary of Agriculture shall have
20 the power after proper investigation to prescribe additional
21 standards of purity and viability, superseding those specified
22 in sections two and three of this Act, but such standards
23 shall in no case be lower than those specified in sections two
24 and three.

PAGE 4

1 SEC. 5. That any person or persons who shall know-
2 ingly violate the provisions of this Act shall be deemed guilty
3 of a misdemeanor and, upon conviction, shall pay a fine of
4 not exceeding \$100 and not less than \$10 for each offense:
5 *Provided*, That any person or persons who shall knowingly
6 sell for seeding purposes seeds or grain transported in viola-
7 tion of this Act shall be deemed guilty of violating this Act.

Proposed Illinois Seed Bill.

H. 534. Introduced by Mr. McCabe, April 16, and referred to Committee on Agriculture.

A BILL for an Act to prohibit the sale of adulterated agricultural seeds, defining impurities and providing for seed inspection and penalty for its violation.

SECTION 1. *Be it enacted by the People of the State of Illinois, represented in the General Assembly:* No person, firm or corporation shall by himself, his agent, or as representative of any other person, firm or corporation, sell or offer for sale or distribution within the State for seeding purposes any lot or package of agricultural seeds, exceeding one pound in weight, unless the same when put up in either open or closed packages, shall have attached thereto a label on which is plainly printed or written in the English language the following: (1) Name and kind of seed. (2) Full name and address of seedsmen, importer, agent or dealer. (3) Statement of purity of the seed contained therein. (Impurities defined in Sections 3, 4 and 5 hereof.) (4) Germinating power of the seed. (5) State or locality where seed was grown.

SEC. 2. For the purposes of this Act the term "agricultural seeds" shall include seed of the red clover, either medium or mammoth; white clover, alsike clover, alfalfa, timothy, orchard grass, Kentucky blue grass, red top, bromus inermis, oat grass, rye grass, the fescues, millets, other grass and forage plant seeds, flax, rape, buckwheat and cereals.

SEC. 3. (1) No agricultural seeds, as defined in Section 2 of the Statutes, shall be sold or offered for sale or distributed within the State which contain in greater numbers than one to one thousand of the seeds under examination the seeds of the following named noxious weeds: Canada thistle (*carduus arvensis* robs), couch, quack or quitch grass (*agropyron repens* Beauv.), clover dodder (*cuscuta epithymum* murr.), field dodder (*cuscuta arvensis* beyrich), alfalfa dodder (*cuscuta indecora* choisy), English charlock or wild mustard (*brassica arvensis* B. S. P.), Indian mustard (*brassica juncea* cosson), wild oats (*avena fava* L.), corn cockle (*agrostemma githago* L.), ox-eye daisy (*chrysanthemum leucanthemum* L.), snapdragon or butter and eggs (*linaria linaria* karst.), buckhorn, ribwort or narrow-leaved plantain (*plantago lanceolata* L.) (2) Where the seeds of the weeds herein mentioned are present in fewer numbers than one to one thousand of the seed being examined a statement shall be so made on the label attached to the package naming the weed seeds present therein.

SEC. 4. Seeds of any other kind than those in the named sample, or those mentioned in section 3, when found in any sample of agricultural seeds shall be classed as impurities therein, and when present in quantity exceeding two per cent of the sample, either singly or in combination, the approximate percentage of each shall be printed on the label attached to the container, as required by section 1 of this Act.

SEC. 5. Sand, dirt, sticks, broken seeds and

other foreign matter shall be considered as impurities when found as agricultural seeds sold, offered or exposed for sale within the State for seeding purposes, and when present in the sample in quantity exceeding two per cent thereof the name and approximate percentage of each shall be stated on the label attached to the container.

SEC. 6. Agricultural seeds shall be considered as adulterated when they contain five per cent or more by weight of seed other than the named sample, and when so adulterated shall not be sold within the State.

SEC. 7. Agricultural seeds shall be considered as misbranded, (1) When seeds low in value are substituted under the label for those of similar appearance, but greater value. (2) When other than Illinois grown agricultural seeds are labeled as such. (3) When southern grown seeds are labeled as northern grown. (4) When seeds are in any other respect not true to the label under which they are sold or offered for sale. (5) When so misbranded agricultural seeds, as defined herein, shall not be sold or offered for sale within the State.

SEC. 8. The provisions and restrictions of this Act shall not apply to: (1) Any person growing, possessing for sale or selling seeds for food purposes only. (2) The persons selling or offering for sale to a seed dealer uncleaned seeds to be cleaned and tested by him before being exposed for sale upon the general market. (3) Seed that is in store for the purpose of re-cleaning, and which is not possessed, sold or offered for sale for seed purposes. (4) Mixture of seeds for lawn, pasture or meadow purposes, except that the sale of such mixtures is subject to the restrictions of sections 3 and 4 of the statutes.

SEC. 9. For the purpose of this Act seed shall be deemed pure when it contains no seed of any kind except the one being examined.

SEC. 10. The enforcement of this Act is hereby placed in the Agricultural Experiment Station, under the supervision of the director, and he is hereby empowered to appoint such inspectors and assistants as may be necessary to execute its provisions.

SEC. 11. (1) It shall be the duty of the inspectors and assistants to collect samples of agricultural seeds in the open market and analyze the same in conformity with the rules and regulations established by the seed inspector. They are vested with all necessary powers for the proper execution of their duties, including entrance upon or into all premises or grounds where seeds are being sold or exposed for sale, and by tendering payment at the current rates shall have power to take samples of all such seed: *Provided*, also, that a scaled duplicate sample is left with the dealer. All samples of seed sent to the inspector for testing, or collected by him or his assistants, shall be accompanied

by a statement of the quantity of seed like the sample held for sale by the dealer. (2) A fee of twenty-five cents shall be paid for each sample of seed sent to the seed inspector for testing. Such fees to constitute a special fund for defraying the expenses hereof. (3) Prosecutions for violations of this Act shall be brought in the proper court by the district attorney of the county in which said violation occurred, upon complaint by the seed inspector or his assistants.

SEC. 12. Samples of seed collected in the open market by the inspector and his assistants shall be tested as herein provided and the results of all such tests shall be published in bulletins of the experiment station, together with the names and postoffice addresses of the persons, firms or corporations from which such samples were obtained.

SEC. 13. Guaranties of purity and viability shall be based upon tests made by the experiment station or by seed dealers or their agents, subject to retest and ratification by the experiment station when it shall be necessary. Dealers who are testing their own seeds shall be required to submit samples thereof to the experiment station for retesting upon demand of the inspector. Should the tests shown on the dealer's label not be substantially equivalent to the actual value of the seeds, as determined by the experiment station, the dealer shall be subject to prosecution and penalty, as defined in section 15 hereof: *Provided*, however, that before prosecution is begun the dealer shall be entitled to a private hearing on the case. Printed standards of purity and germination of agricultural seeds and directions for making analysis of seeds shall be furnished by the experiment station upon request.

SEC. 14. For the purposes of this Act a sample of agricultural seed, as defined in section 2 hereof, shall consist of not more than four or less than two ounces of the seed to be examined.

SEC. 15. Whoever violates any of the provisions named in any section of this Act, or who shall attempt to interfere with the inspectors or assistants in the discharge of the duties named herein, shall be guilty of a misdemeanor, and upon conviction shall be punished by a fine of not less than ten nor more than fifty dollars for each and every offense.

SEC. 16. To provide the necessary inspection, of force and for collection of samples of seeds in the open market, together with traveling and other expenses incident thereto, there is hereby appropriated the sum of three thousand dollars annually. All expenses in carrying out the provisions of this Act shall be paid from the foregoing appropriated fees and appropriation, upon approval by the director of the experiment station and audited by the Secretary of State, as other expenses are audited and paid.

SEC. 16. This Act shall take effect and be in force from and after July 1, 1913.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.
From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier possible), as we go to press Wednesday.
We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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DETAILS of tariff amendments adopted and other important legislative matters will be found on pages 884 and 885 of this issue.

DURING the past few years growers have found such difficulty in obtaining adequate supplies of manure and soil that the more progressive have come to regard dairy farming as quite a necessary adjunct of floriculture. A. N. Pierson, Inc., Cromwell, Conn., adopted the dairy idea some years ago, and Joseph Heacock has a well organized manure and soil producing farm connected with his establishment at Roelofs, Pa. Some description of the latter's operations, "Dairying Helps Floriculture," will be found elsewhere in this issue.

This is a whirling busy world,
But take this one small part
And show your mother, on that day,
The love within your heart.
—J. F. Sullivan's Card.

"C. A. G." and others should remember that we do not reply to queries where names and addresses of the senders are not supplied.

Heating Records.

ED. AMERICAN FLORIST:

In these days of strenuous striving after large sales at good prices and attempts to run a greenhouse at a reasonable cost, it seems to us the question of efficiency in heating is too seldom considered; that this indifference is due to lack of interest on the part of florists is apparent. Their time is taken up with other matters—they must keep their plants in good shape, they must wait on their customers, they must do a thousand and one things, and as the heating is a necessary evil, they do what they are forced to do and let it go at that. This letter is to try to induce them to watch out for the heating and keep records of costs for each season. The glass surface is the unit generally used in greenhouse firing, and the question is how many pounds of coal and what will be the cost of it for heating 1,000 feet of glass.

We would like very much to interest your florist readers and have them write the records of their experience in past years. We know there are many keen-witted men who just as thoroughly appreciate the benefit of saving a dollar by reducing costs as making it on the selling price of their product. Such men are apt to keep records and know what their cost of heating is.

Can you not call for records of this kind and induce a generous emulation on the part of florists to secure greater efficiency in their management and get heat at the lowest possible cost? Such information if given freely and accurately will be of great benefit to all florists, and will repay the time any man spends in preparing it.

EFFICIENCY.

[We shall be pleased to receive and print statistics of greenhouse heating, as suggested by our correspondent.—ED.]

Gude's Tariff Letter.

The following is a copy of a letter sent under date of May 5 by Wm. F. Gude, Washington representative of the Society of American Florists, to each of the members of the Senate tariff committee:

The new tariff bill contains exactly the same errors in classification as the Payne-Aldrich law, which took years to rectify and is still open to much dispute. There cannot be any good reason why this tariff bill should go through filled with errors and ambiguities, which only serve to enrich lawyers, puzzle importers and allow openings for fraudulent entries. The wording should be clear and specific, and not an incentive to fraud and litigation, as it at present reads.

Sections 215 and 216, schedule G, cover horticultural products. On such items accuracy of classification is of vastly more importance than the rates of duty, because the duty depends upon the definition. I respectfully call your attention to some of those er-

rors and request that they be corrected.

Section 215 rates greenhouse plants 25 per cent ad valorem. Section 216 rates greenhouse stock 15 per cent ad valorem. These terms mean the same. The words "or greenhouse" should be erased from section 216, as nursery stock is quite distinct from greenhouse stock.

The word "azaleas," section 215, is too vague. Some varieties of azaleas are greenhouse stock while others are nursery stock. The word "Indica" should be added after the word "azalea," as Azalea Indica is the only greenhouse plant. All other varieties come under the heading of nursery stock.

Section 216 rates "Myrobolan plum seedlings \$1.00 per 1,000." Section 558 rates "Myrobolans" free of duty. It should be specifically stated whether section 558 refers to Myrobolan seedlings, seeds or fruits.

Section 600 rates "evergreen seedlings" free, but places them under the classification of "seeds." This should read "evergreen seedlings four years old or less," otherwise nothing could prevent large evergreen trees grown from seed coming in free of duty instead of paying 15 per cent under section 216 as nursery stock; besides it would pave the way for all kinds of fraudulent entries.

Section 216 rates "seedlings of briar rose three years old or less, \$1.00 per 1,000," also "rose plants, budded, grafted or on own roots four cents each." After the words briar rose should be added "and Rosa rugosa." This is the principal briar rose in commerce. There are many treasury decisions on file to prove that it is a briar rose—not a rose; it is always a seedling, and properly dutiable at \$1.00 per 1,000 as a briar rose, and not four cents each as a rose.

Section 215 rates "hyacinths" as "clumps" instead of "bulbs;" after the word hyacinth should be added the word "bulbs" to avoid further litigation.

In-as-much as our four trade organizations do not ask for any changes of duty on the new tariff bill, but only for correct classification, I earnestly urge that you use your influence to have the schedule corrected as outlined above.

Meetings Next Week.

Chicago, May 14.—Gardeners and Florists Union No. 10,615, 230 North Clark street.

Cincinnati, O., May 12, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., May 12, 7:30 p. m.—Cleveland Florists' Club, Progress Hall, 2610 Detroit avenue.

Madison, N. J., May 14, 8 p. m.—Morris County Gardeners and Florists' Society, Masonic Hall.

New Orleans, La., May 12, 2 p. m.—Gardeners' Mutual Protective Association, 114 Exchange alley.

New Orleans, La., May 15, 8 p. m.—New Orleans Horticultural Society, Kolb's hall, 127 St. Charles avenue.

New York, May 12, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

New York, May 14, 4:30 p. m.—Horticultural Society of New York at Botanical Garden, Bronx Park.

Norwich, Conn., May 12.—New London County Horticultural Society, Buckingham Memorial.

Rochester, N. Y., May 12, 8 p. m.—Rochester Florists' Association, 97 Main street east.

Springfield, O., May 12.—Springfield Florists' Club, Arthur Leedle, secretary.

Toledo, O., May 13.—Toledo Florists' Club, E. A. Kuhnke, secretary, 929 Prouty ave.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.
Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Position as traveling salesman for seeds, bulbs, plants or florists' supplies.
Key 786, care American Florist.

Situation Wanted—Man fully experienced in all lines of outdoor and indoor gardening is open to engagement where high grade gardener is needed.
Address, Key 835, care American Florist.

Situation Wanted—As a working foreman, single, strictly sober and a good grower of cut flowers and potted plants; good designer and hustler.
Key 811, care American Florist.

Situation Wanted—As Florist and gardener; well up in Carnation and Chrysanthemum growing. Single man; good reference. Address
Key 806, care American Florist Co.

Situation Wanted—On commercial or private place by young man, aged 22; seven years experience in general greenhouse work. Private preferred.
Key 828, care American Florist.

Situation Wanted—As a working foreman; married; strictly sober and a good grower of cut flowers and potted plants; good designer and a hustler.
Key 827, care American Florist.

Situation Wanted—As saleslady and designer in a Chicago retail store. State salary and hours when writing. Address
Key 834, care American Florist.

Situation Wanted—By Englishman, 14 years experience in all branches, seven in America. Well versed in orchids, roses, fruit culture under glass, and all kinds of cut flowers, lawns, etc. Age, 29.
Key 833, care American Florist.

Situation Wanted—Manager and foreman now in charge of about 80,000 feet of glass, wants a change; a good grower or manager of a store; first-class salesman and designer; can take charge soon.
Key 817, care American Florist.

Situation Wanted—As florist and gardener in private place; Hollander; 10 years in this country; married; no children; life experience; can furnish the best of references. Address
Key 801, care American Florist.

Situation Wanted—Head gardener, Englishman, age 40, married, without family. Life experience in all branches, including Orchids, Roses, Carnations, Mums, Early Forcing, fruit and vegetables, etc. Good references. Address
E. RICHMOND, Elma Center, N. Y.

Situation Wanted—Florist and Gardener of 20 years experience on a private place or public institution; first-class grower of Orchids, Cut Flowers, and Vegetables, under glass or outside. Best references. Address
Key 818, care American Florist.

Situation Wanted—By gardener; Scotch; as head in private place; experienced in all branches of gardening, inside and out. Over 20 years in large establishments growing all kinds of greenhouse plants and vegetables. Also care of lawns and landscape work. Age 37; married; no family.
ARCH LITTLEJOHN, 39 Temple St., Somerville, Mass.

Situation Wanted—Landscape Architect (German) 29 years of age, first-class technical and practical knowledge of landscape gardening. Expert in layouts of artistic plans and estimates for municipal and private parks. Recently employed as manager for some of the largest landscape contractors of Germany. Excellent references.
Key 809, care American Florist.

Situation Wanted—On commercial or private place by an all around man with 20 years of practical experience in this country and Europe; single, 35 years of age. Can furnish the best of recommendations from leading firms. Pot plants, roses, carnations and landscape gardening a specialty. State salary when writing. Address
GEORGE BAKAITIS, 5433 North Secely av., Chicago

Situation Wanted—As head gardener and florist superintendent on private place; English, age 35, married, one child aged 8 years. At present engaged, but desire change; life experience in all branches—hot house plants, cut flowers and fruit under glass, vegetables, lawn perennials, and the general routine of a well kept estate; 4 years and a half in present place; first-class references.
Key 813, care American Florist.

Situation Wanted—As head gardener or superintendent. Good grower of cut flowers, potted plants, indoors and out doors; vegetables and fruits. Good experience in lawn and park work; understand management of private place park, cemetery, or institution. Am 30 years of age, married, no children. Have been in the gardening and florist business for 15 years. Can furnish best references to party requiring such a man. Address, Key 799, care American Florist.

Help Wanted—At once, an experienced man to help in greenhouse. M. FROLICH, 5527 Cornelia Street, Austin Station, Chicago.

Help Wanted—Boys and young men to help in and around greenhouses. Also men who have had some experience in tea roses.
POEHLMANN BROS. Co., Morton Grove, Ill.

Help Wanted—Honest young lady with some experience to take care of floral establishment in Chicago. Very good chance for advancement, with good salary. Key 805, care American Florist.

Help Wanted—Young man for general greenhouse work at once. \$12.00 a week to start.
NORTH EDGEWATER FLORAL CO., 6101 Evanston Ave., Chicago, Ill.

Help Wanted—Two bright young men—Carnation Growers—who have had charge of growing sections. State wages, etc. Address
Key 832, care American Florist.

Help Wanted—A good Chrysanthemum grower and Plantsman; single preferred. Good wages and steady position if he makes good.
METAIRIE RIDGE NURSERY CO., Ltd., New Orleans, La.

Help Wanted—A good all around Greenhouse Man, to work in the Rose Houses mostly. State wages expected in first letter. A good steady job for the right man. EDWARD TATRO, 407 E. Iron Ave., Salina, Kansas.

Help Wanted—Florist for commercial place with experience in growing choice pot plants for Christmas and Easter trade. Address with copy of references, wages expected, etc.
J. A. PETERSON, Westwood, Cincinnati, Ohio.

For Sale—Established Flower Store; good location. PEOPLE'S FLORIST, 1736 W. 47th St., Chicago.

For Sale—10,000 feet of glass in the best town for its size in Illinois. No competition; a money maker. Address, Key 821, care American Florist.

For Sale—Well located retail store, centrally located, doing good business for over five years. This is a rare opportunity, price very reasonable; going south object of selling. Address
Key 804, care American Florist.

For Sale or Lease—5 greenhouses at Madison, N. J., 1 mile from station. 4½ acres of land, 9-room dwelling, up-to-date, cheap, and low rent to prospective buyer. Address
R. S., 265 Rosedale Ave., Madison, N. J.

For Sale—A good paying florist business in Pennsylvania. 9 greenhouses, 27,000 feet of glass, good wholesale and retail trade, well stocked with bedding plants, roses, carnations, sweet peas, lilies, and ferns. The greenhouses are in good condition, with hot water and steam. Reason for selling am not a florist. Will sell at a bargain.
Key 824, care American Florist.

Wanted—To buy florist store or good location for same in live town. Bargain. Address
Key 825, care American Florist.

Wants to Rent Store—Advertiser wants to rent a retail flower store in Chicago where a good business is being carried on. State full particulars. Address
Key 836, care American Florist.

Wanted—To correspond with someone having experience as grower of all kinds of greenhouse and nursery stock that would take share in a good business and be able to manage the growing of the stock for a company in Minnesota. Address
Key 823, care American Florist.

FOR SALE.

Great Bargain. Greenhouse in Salida, Colo. Six thousand feet glass; good dwelling; within four blocks of business centre; well stocked with plants and flowers; fine trade, local and shipping.
J. H. FREEMAN, Salida, Colo.

For Sale at a Pick Up Price

An up-to-date wholesale and retail florist plant in the vicinity of Chicago. It contains about 70,000 square feet of glass, 12 to 20 acres of first-class land, large dwelling house in good shape, everything modern. The whole place high and dry. \$10,000 cash, balance to suit. Do not write unless you mean business. Address
Key 830, care American Florist.

TO FLOOD AND CYCLONE SUFFERERS.

To sell, an All florist and market garden business, in good location, well established, no competition for four hundred miles radius. Full particulars by letter. Address,
Key 826, care American Florist.

NOTICE

Mr. Walter J. Barnell has resigned his position with the MacNiff Horticultural Co.
THE MACNIFF HORTICULTURAL CO.
New York, May 5, 1913.

WANTED.

Good Rose Grower

APPLY AT ONCE.

Sinner Bros.

6516 RIDGE AVE., CHICAGO

HELP WANTED

A competent grower of general stock. Must be good on mums, lilies and general pot plants. We want a sober, industrious man who can come at once. Give references and salary expected.

L. L. MAY & CO., 295 Como Ave., St. Paul, Minn.

HELP WANTED.

A competent working grower to work in a retail and commercial greenhouse where large quantities of carnations, chrysanthemums, lilies and various kinds of plants and bulb stock are grown for the trade. Address with references to Shepard's Garden Carnation Co., 292 Fairmount St., Lowell, Mass., stating wages and experience.

GLAZIERS WANTED.

Men experienced in greenhouse glazing wanted at once. Houses 60x1000 feet. State wages per day; also wages per 100 glass (16x24). Scaffolding will be furnished.
J. F. WILCOX & SONS, Council Bluffs, Ia.

Foreman Wanted.

Commercial Place.

Competent man to take entire charge of our greenhouse plant, some 25,000 feet of glass, general cut flower and plant stock. Address, with full particulars,

S. W. COGGAN,
11 W. Main St., Battle Creek, Mich.

Foreman Wanted

A large commercial establishment of 60,000 square feet wishes a capable foreman to take charge of the growing of stock. Must be well up on roses, carnations, mums, lilies and pot plants such as are necessary for first class retail stores. A good opening for a man of experience and one capable of handling help intelligently. First class references expected and personal interview will be arranged.
Key 822, care American Florist.

STOREMAN

Good salesman and designer is desirous of securing a situation immediately in Chicago. For further particulars, address, Key 810, care American Florist.

Gardener Wanted at Once.

We must have an experienced, reliable gardener immediately. The right man may come on practically his own terms. Prefer to lease on shares but will go more than half way to meet desires of good man. House or board will be furnished. Tract of 38 acres; richest of bottom land; coal at door for greenhouse use; street cars now; railroad coming. In midst of manufacturing and coal mining district. Best of markets, high prices, etc. Gardening business not crowded. Paved road through farm. About two miles from Monongahela, Pa., a city of from fifteen to twenty thousand. Address
MARY E. JONES, R. D. 2, Finleyville, Pa.

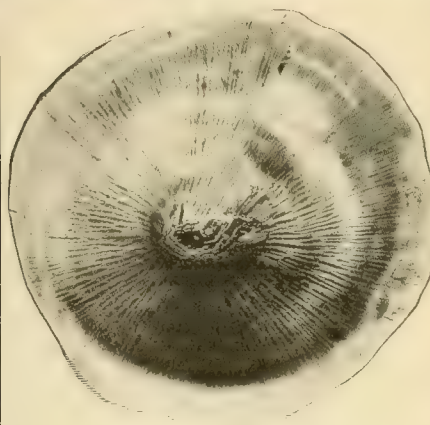
Movable Glass Houses.

The advantage of being able to move a glass-house, heated or unheated, so as to cover in succession a number of plots of land planted in advance, has long been obvious to market gardeners. The only difficulty in bringing the system into common use has been that of moving great structures easily and without racking them, says a writer in the *Gardeners' Chronicle*, published in London, England. That this difficulty has been entirely overcome I have been convinced without a shadow of doubt by the inspection of the patented invention of H. and A. Pullen-Burly, Ltd., of Sompington, near Worthing. When it is stated that a little son of A. Pullen-Burly, six years old, in March last, moved a double-span house, 41x97 feet, weighing, I was told, about 20 tons, for a few minutes in my presence, by turning a fly-wheel at one end of the house, which is moved sideways, the perfection of the mechanism may be easily imagined. I found that I could move the house with the greatest ease by turning the wheel with one hand. The movement, of course, is slow, as it should be; but the house can be shifted from the space which it covers over an equal space of fresh ground by one man in twenty minutes.

The house is exactly similar to an ordinary glass-house, except that, instead of being built on walls, it rests on a strong pitch-pine frame-work, which is carried on large wheels running on concrete walls a few inches above the ground. These walls run the whole length of the set of plots of land over which the house is to be shifted in the course of twelve months. They are placed at intervals of about 16 feet, and along each run five wheels, the middle one in each set, which is between the two span, being a driving wheel. The two outside walls have iron rails embedded in them, while the intermediate ones are plain concrete made smooth on the tops with cement. The boiler is fixed in one corner of the house, so as to run with the house on one of the outside rails. None of the wheels are flanged; but at each corner are wheels placed horizontally, so as to run along the sides of the iron rails just mentioned. These would keep the house quite square while it is being moved, even if the gearing did not work truly. As a matter of fact, however, the gearing runs so perfectly that, as already stated, there is no interval between the starting of the two ends of the house. The way in which the tendency to torsion has been overcome is one of the cleverest parts of the invention. By means of a simple arrangement of set screws, the driving shaft is allowed a graduated amount of play from one end to the other. In this way the motion of the shaft between the set screws takes up what little lost motion there would otherwise be owing to torsion, so that the motion of the shaft is imparted to all the driving wheels instantaneously. Before the actuating wheel has been moved around one-sixth of its circumference the house is in motion evenly at both ends, in spite of the fact that the gearing is 120 to 1.

Standing at the end opposite to the one at which the fly-wheel is stationed so that I could see the man beginning

Gladiolus and other Spring Bulbs



AMERICA.

LILY BULBS

	Per 100
Album, 9-11 inch.....	\$12.50
Auratum, 9-11 inch.....	10.00
Rubrum, 8-9 inch.....	6.00
Rubrum, 9 11 inch.....	9.00

CALADIUMS

	Per 100	Per 1000
5 to 7 inch.....	\$1.80	\$15.00
7 to 9 inch.....	3.50	30.00
11 to 14 inch.....	15.00	140.00

Cold Storage Stock.

Lilium Giganteum	Per Case
7-9 inch (300 bulbs to case).....	\$18.00
8-10 inch (225 bulbs to case).....	15.75
9-10 inch (200 bulbs to case).....	17.00

Of several leading kinds we can supply planting stock, white bulbs under one inch and small black bulbets by the bushel. Per 1000

MRS. FRANCIS KING,

Medium size.....	\$15.00
AUGUSTA, Medium.....	13.00
AMERICA, First Size (3000 for \$66.00).....	25.00
AMERICA, Medium Size.....	20.00
KUNDERDI GLORY, Firsts.....	40.00
CHICAGO WHITE.....	50.00
PRINCEPS.....	90.00
SHAKESPEARE.....	38.00
FLORISTS' MIXTURE, (Light Colors).....	15.00
BRENCHLEYENSIS.....	12.00
SCARLET AND RED SHADES.....	11.00
PINK SHADES.....	13.50

BEGONIAS

(Tuberous Rooted Giant Flowering Varieties)

Singles, in Colors, white, scarlet, yellow, pink, Doz. 40c.; 100, \$2.50; 1000, \$22.00.	
Singles, Mixed Colors, Doz. 35c; 100, \$2.25; 1000, \$20.00.	
Doubles, white, scarlet, pink, Doz. 65c; 100, \$4.50; 1000, \$40.00.	
Doubles, Mixed Colors, Doz. 60c; 100, \$4.00; 1000, \$37.00.	

Lilium Rubrum

	Per Case
8-9 inch (170 bulbs to case).....	\$10.00
9-11 inch (100 bulbs to case).....	8.00

Vaughan's Seed Store, CHICAGO, NEW YORK

Greenhouses and Nurseries, Western Springs, Ill.

to work it. I found that there was not a moment's delay in the starting of the end at which I stood. Even in the case of a house 300 feet long, Mr. Pullen-Burly informed me, the two ends would start moving simultaneously.

The rotation of crops which may be finished off or helped forward to finish in the open air in the course of twelve months my means of one movable house can be varied indefinitely. The eleven plots laid out for the house, inspected are for the following crops: 1, double white narcissus; 2, lettuce, cabbage, cauliflower and carrots; 3, tomatoes and french beans, the latter to be gathered before the former are fully grown; 4-7, asparagus in successive lots; 8, mint; 9-10, Golden Spur narcissus; 11, Ornatus narcissus. The space covered by the eleven plots is one acre. When asked to name a rotation excluding flowers, Mr. Pullen-Burly off-hand suggested three plots of asparagus, one of cauliflowers, cabbages, lettuces, and carrots grown together; one of turnips, one of French beans and tomatoes together, and one of Globe artichokes for a succession to cover twelve months. The asparagus would be ready to be marketed in December and up to the middle of January, when they would command extremely high prices.

Special Geraniums

3½-in. NUTT, GRANT and LAKELAND, all Reds, at \$6.50 per 100, \$60 per 1000, Cash.

Geo. A. Kuhl, PEKIN, ILLINOIS.

Mention the American Florist when writing

A. N. Pierson, Inc.

Wholesale Florists

CROMWELL, - CONN.

Mention the American Florist when writing

The most numerous succession of products which A. Pullen-Burly, who is a market gardener of wide and prolonged experience, whose business covers 400 acres of land, including his orchards, could suggest was one starting in November with the forcing of three plots of asparagus, and proceeding with one plot of Trumpet-Major or Henry Irving narcissus, two plots of Golden Spur, one of Sir Watkin, two plots of Ornatus, two of double white, one plot of gladioli, one of late peonies, one of asters, one of toma-

BEST GRAFTED ROSE STOCK

Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000; \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill. Killarney Queen, \$15.00 per 100; \$120.00 per 1000.

BEST OWN ROOT STOCK

Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6.00 per 100, \$55.00 per 1,000. Richmond, 2½-in., \$5.00 per 100; \$45.00 per 1,000. The above is All select stock and a big bargain at prices quoted.

BEST CHRYSANTHEMUM CUTTINGS

Finest Two Yellow and Pink Commercial Varieties Now Grown.

YELLOW					PINK				
	R. C. per 100	1000	2½-in. per 100	1000		R. C. per 100	1000	2½-in. per 100	1000
Comoleta,	\$3.00	\$25.00	\$4.00	\$35.00	Patty,	\$3.00	\$25.00	\$4.00	\$35.00
Best Early Yellow, Blooms September 27.					Beautiful Enchantress Pink, fine strong grower, (3½-in., per 100, \$5.00).				
Chrysolora,	\$5.00	\$40.00	\$6.50	\$60.00	Unaka,	\$4.00.	\$35.00	\$5.00	\$45.00
Best Yellow Money Maker, blooms October 5 to 10.					Earliest Pink, first week of October.				

WHITE				YELLOW				PINK						
R. C. per		2½-in. per		R. C. per		2½-in. per		R. C. per		2½-in. per				
100	1000	100	1000	100	1000	100	1000	100	1000	100	1000			
OCTOBER FROST.	2 50	20 00	3 00	25 00	Col. Appleton.....	2 50	20 00	3 00	25 00	McNiece	2 50	20 00	3 50	30 00
Vir. Poehlmann.....	3 00	25 00	4 00	35 00	Crocus	4 00	35 00			Maud Dean.....	2 50	20 00	3 50	30 00
Alice Byron.....	2 50	20 00	3 00	25 00	Dolly Dimple.....	3 00	25 00			Dr. Enguehard.....	2 50	20 00	3 50	30 00
Timothy Eaton.....	2 50	20 00	3 00	25 00	Major Bonaffon.....	2 50	20 00	3 00	25 00	RED				
W. H. Chadwick.....	3 00	25 00	4 00	35 00	Immense stock, still one of the best.					Schrimpton.....	2 50	20 00	3 00	25 00
YELLOW					Yellow Eaton.....	2 50	20 00	3 00	25 00	BRONZE				
Golden Glow.....	3 00	25 00	4 00	35 00	Golden Chadwick.....	3 00	27 50	4 00	35 00	O. H. Kahn.....	4 00		5 00	
Halliday.....	2 50	20 00	3 00	25 00	Best late yellow.					We can supply large quantities of the above.				

POMPONS—Large stock of the leading commercial varieties. 2½-in., per 100, \$4.00
List of Varieties Upon Application.

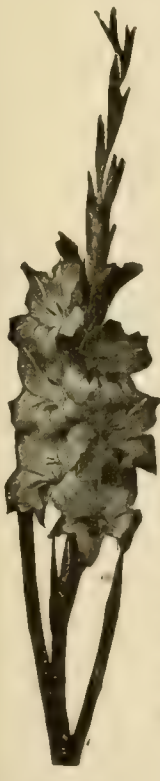
POEHLMANN BROS. CO., Morton Grove, Ill.

toes to be finished off in August and September, and one for finishing off a July-sown French bean crop, to be marketed in October.

It is further suggested that peaches, nectarines, choice pears, and even vines, trained on hinged trellises which can be bent down towards the ground when a hot-house is to be moved over them, could be included in the crops to be forced by means of a movable structure. Again, various crops can be started under glass, and left to mature in the open, the movable house being transferred to other crops. In theory, at least, there seems to be hardly any limit to the uses to which the new movable hot-house may be put, though it remains to experience to prove how far what appear to be reasonable expectations will be realized.

To me it seems almost certain that French gardening in this country will be superseded by the movable glass-house. It is estimated that the capital outlay in levelling an acre of land, constructing the concrete travelling ways, and purchasing a hot-house of two spans 40x100 feet, complete with boiler, hot water pipes, and cold water supply pipes, will be about 500 pounds. This is much less than the capital required for an acre of a French garden, including the vast quantity of manure which it requires, while the subsequent cost of manure will be greatly less than for a French garden, and the saving in labor and anxiety will be enormous. Moreover, a movable house is considered a "tenant's fixture"; and, in Mr. Pullen-Burry's opinion, would not be subject to rates.

A visit was also paid to the extensive orchards in which the various kinds of hardy fruit are grown, with



THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, \$1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.

rhubarb, narcissi, and peonies underneath them in some cases; also to the fixed hot-houses and the large stretches of market garden land. A particular feature of the fruit department is the growing of choice pears trained on walls, some of which are wooden walls constructed for the purpose.

Cape Jasmine Buds

(Grandiflora)

The prettiest and most fragrant of flowers. Will begin shipping buds about May 20 to 25, and will last till June 10 to 15.

Memorial Day Orders should be in by May 20. Special attention given to Weddings, Entertainments and Commencement orders.

Prices f. o. b. Alvin:

Medium Stem, \$8.50 per 1000
Medium Stem, 1.00 per 100
Long Stem, - 13.00 per 1000
Long Stem, - 1.50 per 100

Will ship c. o. d. to responsible parties. We solicit your orders, which shall have our prompt attention.

T. W. CARLTON,
ALVIN, TEXAS.

- PEONIES -

FOR MEMORIAL DAY.

Our growers assure us of a supply of 100,000 and your order will be filled with good stock, and when specified.

Prices

LOTS OF 100, - - \$6.00 LOTS OF 1000, - - \$50.00

If order is placed by May 17, we will allow a 10 per cent discount from above prices.

NEW OAK WREATHS IN RED, GREEN AND BRONZE
18-inch, \$8.00 per dozen. 24-inch, \$9.00 per dozen.

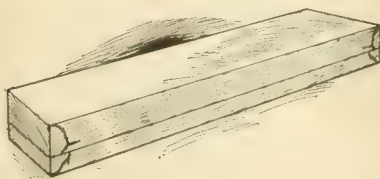
BEST QUALITY MAGNOLIA LEAVES, \$1.20 per Hamper.
COLORS—Green, Bronze, Purple and Red.

CEMETERY VASES, Small Size, 75c., Large Size, 90c Doz.

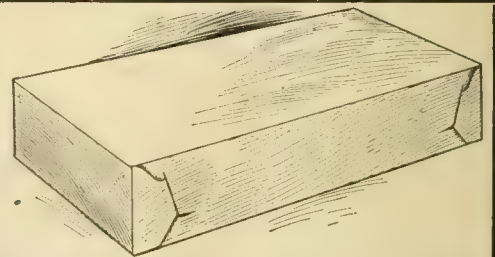
McCallum Co.,

CLEVELAND AND PITTSBURG.

Mention the American Florist when writing



FOLDING FLOWER ..BOXES..



We can supply you with any size Flower Box you need. We carry the largest variety of colors. We can and do make prompt shipments at all times. Our prices are reasonable and a special discount will be allowed on quantity orders.

Palm Green, Mist Gray, Mist Brown.		White Glaze, Green Glaze, Pink Glaze.		Extra Heavy Spray and Design—Palm Green.		Extra Heavy Spray and Design—Mist Gray, Mist Brown.		Violet and Corsage Boxes.					
Per 100		Per 100		Per 100		Per 100		White and Violet Glaze. Per 100					
16x 4	x3.....\$ 1.85	16x 4	x3.....\$ 2.65	23x12x5. Telescope.	\$ 7.50	30x12x 6 Telescope.	\$10.50	7x4x4.....	\$2.50				
20x 4	x3..... 2.15	20x 4	x3..... 3.00	30x12x8	" 10.00	20x12x 8	" 10.00	8x5x5.....	3.00				
18x 5	x3..... 2.15	18x 5	x3..... 3.00	20x12x8	" 10.00	16x16x 8	" 9.00	10x6x5 1/2.....	3.50				
21x 5	x3..... 2.50	21x 5	x3..... 3.50	12x12x8	" 9.00	20x20x 8	" 13.50	12x8x5 1/2.....	4.50				
24x 5	x3 1/2..... 3.00	24x 5	x3 1/2..... 3.75	16x16x8	" 10.00	24x24x 8	" 15.50	14x10x8. Telescope.....	8.50				
30x 5	x3 1/2..... 3.30	30x 5	x3 1/2..... 4.50	20x20x8	" 13.00	24x24x10	" 20.00	Plain Violet.					
36x 5 1/2 x3 1/2.....	4.50	36x 5 1/2 x3 1/2.....	5.65	24x24x8	" 15.00	28x28x 8	" 19.50	7x4x4.....	1.75				
21x 7	x3 1/2..... 3.25	18x 6	x3 1/2..... 3.65	28x28x8	" 19.00	32x32x 8	" 25.50	8x5x5.....	2.25				
24x 8	x4..... 3.85	21x 7	x3 1/2..... 4.00	32x32x8	" 25.00	24x14x 8	" 13.00	10x6x5 1/2.....	2.50				
24x 8	x5..... 4.15	21x 8	x4..... 4.65	28x22x8	" 16.00	36x14x 8	" 16.25	11x8x5 1/2.....	3.50				
28x 8	x4..... 4.35	24x 8	x4..... 5.25	24x14x8	" 12.50	40x14x 8	" 17.75	Mist Gray, Mist Brown, Palm Green.					
28x 8	x5..... 5.00	24x 8	x5..... 5.75	30x14x8	" 14.50	42x17x 8	" 20.50	7x4x4.....	2.50				
36x 8	x5. Telescope. 7.00	28x 8	x4..... 6.00	36x14x8	" 16.00	No printing charge on lots of 300 or over of assorted sizes.			8x5x5.....	2.75			
40x 8	x5..... 9.00	28x 8	x5..... 6.50	40x14x8	" 17.50				10x6x5 1/2.....	3.00			
42x 8	x5..... 11.00	36x 8	x5. Telescope. 9.00	32x17x8	" 16.00				12x8x5 1/2.....	3.50			
30x10	x5..... 7.00	40x 8	x5..... 11.00	36x17x8	" 18.50				15x6x5.....	3.50			
36x10	x5..... 9.00	42x 8	x5..... 13.25	42x17x8	" 20.00	Samples of board mailed on application.			14x10x8. Telescope.....	6.00			
42x10	x5..... 13.00	42x10	x5..... 15.00										
48x10	x5..... 15.00	48x10	x5..... 18.00										

A. A. Arnold, 16-18-20-22 S. PEORIA ST., CHICAGO
DEPT. F.

MEMORIAL DAY NUMBER

TO BE ISSUED

May 17,

JUST RIGHT FOR THE

Decoration Day Business

— The Best Paid —

CIRCULATION

— To the Trade in the Trade —

That means profit to you. No bogus inquiries
that cost time and actual cash.

Offer Them Now

ALL SPECIALTIES

For Cemetery Use

All Bedding Plants

Window Box Stock

Plants for Vases

WHILE DEMAND IS STRONG

American Florist Co.,
440 S. Dearborn St., CHICAGO.

WE ARE GROWERS

and are now cutting an immense crop of

BEAUTIES We are cutting the choicest buds with extra long stems in immense quantities. Prices, choicest long, \$3.00 per dozen; long seconds, \$1.50 per dozen. You can build a big trade on these. **Short Beauties.** Stems 6 to 10 inches long, \$2.00 to \$4.00 per 100.

ROSES **Choice,** extra long, \$8.00 per 100. **Medium,** \$4.00 to \$6.00 per 100. **Short,** \$3.00 per 100.

CARNATIONS We will have our crop in for Decoration Day.

All seasonable flowers at remarkably cheap prices.

We grow all the flowers we sell and guarantee their safe arrival in a perfect condition.

BUY DIRECT OF THE GROWER.

BASSETT & WASHBURN

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL
LONG DISTANCE PHONE, CENTRAL 1457.

Chicago.

STOCK PLENTIFUL.

The warm days of the past week were productive of a large quantity of stock, especially roses, which have been received in heavy shipments the past few days. The roses are still of excellent quality and there is a plentiful supply of all varieties and all grades but a shortage is expected soon. Killarney and White Killarney, especially, are very plentiful, but like the other roses, are being sold in large lots at bargain prices. American Beauty roses are also in large supply and have sold for lower prices this week than they have for some time past. The shorter grades are in good demand but the long stemmed flowers are more plentiful. Richmond are selling well but there is also a surplus of this rose. There is a great variety of other stocks to be had for the outside flowers are coming in more heavily now, especially outside tulips and narcissus and quantities of lilac, both white and purple, and with the large amount of greenhouse stock available at this season the buyer has a great variety from which to select and with which to make a display. Carnations are in adequate supply to meet the demand, but there is no great over supply, and the stock that comes in finds good sale but not at any too good prices. Some growers are inclined to think that there will be plenty of carnations for Mothers' day and others again look for a shortage which will probably occur especially as far as the white varieties are concerned. Sweet peas are seen in large supply everywhere and are being offered very cheaply at many of the down-town loop stores. The trailing arbutus did not last long on the market, but what stock did arrive brought more money

than it did last year. Orchids are a little more plentiful and are more generally displayed. Snapdragons are still plentiful and some exceptionally fine stock is obtainable. Spanish iris is shown in large quantities and is having a good sale. Some fine gladioli are arriving and the Bride is now daily offered as well as Mrs. Francis King and America. Lily of the valley is in good supply. Marguerites, both yellow and white, and the new variety, Mrs. Sanders, are seen in good quantity. The first peonies of the season arrived this week and both Queen Victoria, white and Officinalis red are seen on the market. Mignonette, lupines, pansies and calendulas all add to the great variety obtainable. On Wednesday noon, May 7, there was still a large quantity of accumulated stock on the market, but a few brisk days would clean up nearly all lines in short order.

NOTES.

Michael Winandy, who recently purchased the Hedrich greenhouses on Western avenue, has practically rebuilt the entire range. The M. Winandy Co.'s new improved heating system has been given a thorough test at this plant, and has proved so satisfactory that the manufacturers are willing to guarantee it, which they would not do for any other system.

J. A. Budlong is cutting a good supply of his choice prize-winning lily of the valley but the close of each day finds the stock well disposed of at good prices.

George Kaspar will open his new store at 4065 West Twenty-sixth street on May 15. Buchbinder Bros. of this city have the order for his refrigerator.

Governor Dunne on May 3 designated Sunday, May 11, as Mothers' day in the State of Illinois.

Spanish Iris

LAVENDER

WHITE

YELLOW

\$3 to \$4 per 100

BLUE

\$5 to \$6 per 100

SNAPDRAGONS

Assorted Colors. Prices Right.

CARNATIONS

BEST GRADES.

\$3 to \$4 per 100

Also SWEET PEAS, STOCKS, and all other seasonable flowers and greens at lowest market prices.

MISS O. A. TONNER,

162 N. Wabash Avenue,
CHICAGO.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

BEAUTIES--ORCHIDS

Valley-Roses-Sweet Peas

SPECIAL ON ROSES

From May 10th to May 14th, \$15.00 per 1000.

Current Price List.

All our quotations are subject to market fluctuations, changes without notice, and our confirmation.

AMERICAN BEAUTIES		Per Doz.	LADY HILLINGDON.		Per 100	CARNATIONS—		Per 100
Specials.....		\$4.00	Specials.....		\$12.00	Firsts.....		\$5.00
36-inch.....		3.00	Long.....		10.00	Seconds.....		4.00
30-inch.....		2.50	Medium.....		\$5.00 to 8.00	Splits.....		\$2.00 to 3.00
24-inch.....		2.00	Short.....		4.00	ORCHIDS, Cattleyas...per doz., 6.00 and up		
20-inch.....		1.50	RICHMOND.		Per 100	IRIS, Spanish..... 4.00		
18-inch.....		1.25	Specials.....		\$10.00	LILIES.....10 00 to 12.00		
15-inch.....		1.00	Long.....		8.00	VALLEY..... 3.00 to 4.00		
Short stem.....	Per 100,	\$4.00 to 6.00	Medium.....		6.00	SWEET PEAS, fancy..... 1.00 to 1.50		
PRINCE DE BULGARIE, Antoine Rivoire or			Short.....		2.00 to 4.00	ADIANTUM CROWEANUM..... 1.00		
Mrs. Taft.			KILLARNEY.		Per 100	SMILAX..... Per doz. 2.50		
Specials.....		\$12.00	Specials.....		\$10.00	SPRENGERI..... 2.00 to 4.00		
Long.....		10.00	Long.....		8.00	PLUMOSUS SPRAYS..... 3.00 to 4.00		
Medium.....		6.00 to 8.00	Medium.....		6.00	PLUMOSUS STRINGS..... each .60		
Short.....		2.00 to 4.00	Short.....		2.00 to 4.00	FERNS..... per 1,000, 2.00		
MRS. AARON WARD.			KILLARNEY QUEEN		Per 100	GALAX..... per 1,000, 1.25		
Specials.....		\$12.00	Specials.....		\$12.00	LEUCOTHOE..... per 100,		
Long.....		10.00	Long.....		10.00	BOXWOOD, bunch, 25c; 50-lb. case,		
Medium.....		6.00 to 8.00	Medium.....		8.00			
Short.....		2.00 to 4.00	Short.....		4.00 to 6.00			
MELODY, specials.....			WHITE KILLARNEY.		Per 100			
Long.....		10.00	Specials.....		\$10.00			
Medium.....		6.00 to 8.00	Long.....		8.00			
Short.....		2.00 to 4.00	Medium.....		6.00			
			Short.....		2.00 to 4.00			

SUPPLY DEPARTMENT.

BASKETS

For Commencements and Weddings.

ALSO TUMBLER BASKETS AND PLATEAUX.

Price—right stock, new assortment selected for your approval, \$5.00 and up.

American Oak Sprays, per pound, 30 cents.

Special Sale of Three Stripe Chiffon, the very best quality, 4-inch, 2½ cents; 6-inch, 3½ cents; 10-inch, 6½ cents.

30 per cent discount on Wire Goods this week only.

Cape Flowers, Ruscus, Magnolia Leaves, Wheat Sheaves.

Cut Flower Boxes, Corrugated Boxes and Oak Wreaths for Memorial Day. A trial order will convince you that we can deliver the goods.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

MOTHERS' DAY

*For Mother's Memory A Flower White.
For Mothers Living A Flower Bright.*

Large supply of Carnations and Roses for this day, so send your orders direct to us.
Extra Fancy Assorted Carnations for Mothers' Day, \$4.00 per 100.

CURRENT PRICE LIST:

Buy from us and get the best stock in the market at the most reasonable prices. All late orders will be filled in full.

American Beauties

Per Dozen	Per Dozen
60-in. stems.....\$4 00	24-in. stems.....\$1 75
48-in. stems.....3 00	20-in. stems.....1 50
36-in. stems.....2 50	16-in. stems.....1 00
30-in. stems.....2 00	Short stems.....75

Killarney, White Killarney, Richmond and My Maryland

Per 100	Per 100
Extra special.....\$ 8.00	Medium.....\$ 5.00
Selects.....7.00	Good.....4.00
Fancy.....6 00	Short stems.....3.00

Roses, our selection - - - \$3.00

Sunburst

	Per 100
Fancy.....	\$10.00
Good.....	8.00
Short.....	6.00

Carnations Extra Special Red, Enchantress, Pink and White, \$3.00 per 100.

Carnations Good Red, Enchantress, Pink and White, \$2.00 to \$2.50 per 100.

FERNS, per 1000.....	\$2.00
SMILAX, per doz.....	2.00
ADIANTUM, per 100.....	1.00
GALAX, per 1000.....	1.00
SPRENGER, per bunch.....	.50
ASPARAGUS SPRAYS, per bunch.....	.50
LILIES.....per 100, \$10.00 and 12.50	

Poehlmann Bros. Co. is featuring a large supply of fancy Spanish iris as well as choice American Beauty roses. The supply department is having a good run in Memorial day goods and the plant department at Morton Grove is taxed to the utmost in getting out orders.

Buchbinder Bros., 518 Milwaukee avenue, are having an unusually brisk demand for florists' refrigerators. The orders are coming from all sections of the country, but the majority are from the trade in this immediate vicinity.

John Kruchten is in the market for a few peony growers and would like to hear from some one who desires to ship stock to this market. Mr. Kruchten does a good business and is anxious to secure stock as soon as possible.

Joseph Ziska, the oldest wire manufacturer in this city, is busy manufacturing designs for Memorial day purposes. Joseph Ziska, Jr., looks after the supply department, which at present is enjoying a good run.

The Auburndale Goldfish Co. has moved to 1449 Madison street. Small fish are reported in short supply on account of the floods, in which this concern lost some 35,000.

The E. C. Amling Co. is still featuring fine snapdragons and sweet peas in quantity. The latter are exceptionally fine and are in great demand.

The C. C. F. A. bowling league resumed play at Bensinger's West Randolph street alleys on May 7.

Lubliner & Trinz are now located in their new temporary quarters at 29 West Washington street.

Guy Reyburn, of A. Henderson & Co., has returned from a western business trip.

WANTED PEONY GROWERS

We are desirous of securing the crops of several Peony growers who can be relied on to put up stock that will hold and ship. We have a very fine market and are confident that we can handle your stock to the best advantage. Write immediately and let us know what you have and how soon you can ship.

ZECH & MANN

Wholesale Florists

162 N. Wabash Ave.,

L. D. Phone:
Central 3284

CHICAGO

Mention the American Florist when writing

Wieland & Risch are featuring all the novelties of the season now and particularly noticeable are a fine grade of gladioli and daisies.

George Reinberg is also strong on Richmond roses at present and the tables are well laden with stock each day.

RICHMOND

Heavy cut of fine stock in all lengths of stem at \$4.00, \$6.00, \$8.00 and \$10.00 per 100.

Can also supply in quantity fancy **American Beauty, Killarney, White Killarney, My Maryland, Mrs. Aaron Ward** and **Sunrise** roses. It's Peter Reinberg's all the time for quantity and quality. Nothing surprising in this for we have over 2,000,000 feet of modern glass devoted exclusively to the growing of Cut Flowers, principally Roses and Carnations. Order now.

Current Price List

AMERICAN BEAUTIES—		Per doz.		Per 100
48-inch stems		\$4.00	Sunrise	\$4.00 to \$8.00
48-inch stems		3.50	Roses, our selection	3.00
36-inch stems		3.00	Carnations	2.00
30-inch stems		2.50	“ Fancy	3.00
24-inch stems		2.00	“ Splits	1.00
20-inch stems		1.50	Carnations for Mothers' Day, fancy white	4.00
18-inch stems		1.25	“ “ “ colored	3.00
12-inch stems		.75 to 1.00	Harrisii	10.00 to 12.50
Short		.50	Valley	3.00 to 4.00
Richmond		Per 100.	Sweet peas	.75 to 1.50
Killarney	Select	\$6.00 to 8.00	Tulips	3.00 to 4.00
White Killarney	Medium	4.00 to 6.00	Adiantum	1.00
My Maryland	Extra select	10.00	Asparagus, per bunch	.50
Wards			Ferns, per 1,000	2.00

2,000,000 Feet of Modern Glass

PETER REINBERG

30 E. Randolph St.,

L. D. PHONE
CENTRAL 2846

Chicago

Chairmen of the convention trade committees celebrated the close of their labors with a supper at the Union Restaurant May 1. Toastmaster Poehlmann, on behalf of the album committee, presented J. C. Vaughan with a handsome souvenir of the occasion. Secretary John Young of the Society of American Florists and Chairman C. E. Critchell of the S. A. F. sports committee, who had just returned from a meeting of the advisory board at Minneapolis, were in attendance and spoke very enthusiastically of the preparations for the coming convention.

W. W. Randall is seen at A. L. Randall Co.'s store now and will probably remain until the Memorial day rush is over. Eric Johnson says that his firm manages to clean up all its cut flowers each day even though all lines have been plentiful the past week.

A. L. Vaughan returned on May 3 from Milwaukee, Wis., where he was receiving treatment for rheumatism at the Sacred Heart Sanitarium. Mr. Vaughan is feeling much better now and is again attending to his duties at the store.

Kyle & Foerster are strong on sweet peas, of which they have had a good supply all season. Joe Welsh, formerly in the employ of the firm, is now assisting his father at his retail stores.

The J. B. Deamud Co. is offering both purple and white lilac now in addition to a complete line of all other seasonable stock.

PERCY JONES

L. M. JONES, Secy.

Inc.

H. VAN GELDER, Pres.

3 Big Specials

This Week Only.

12-inch Spirit Netting, 6½ cents per yard.

Green Wax Paper, \$1.60 per ream.

Plain wired toothpicks, \$1.50 per box of 10,000

56 E. Randolph St., Chicago

Mention the American Florist when writing

Erne & Klingel are handling a fine grade of local grown orchids as well as their usual supply of other seasonable stock.

Mrs. F. Jerome, who has been confined to a local hospital for several

months, was removed to her home on May 6.

Mrs. R. Miller of Racine, Wis., transacted business here on May 5.

Louis Visas made a business trip to Duluth, Minn., on May 3.

PEONIES! PEONIES!

**Everyone will have them this year. BUT
KENNICOTT BROS. CO.**

**will again lead in Quantity and Quality.
Now booking orders as usual, according to
quality, at 4 and 8 cents. Place order now.**

KENNICOTT BROS. CO.

163-165 North Wabash Ave., L. D. PHONE CENTRAL 466. CHICAGO.

The Batavia Greenhouse Co. was greatly handicapped on May 3 when its usual large Saturday shipment failed to arrive at the store through the carelessness of the local express companies. It arrived the day following but was refused because the firm had already put in a claim for some \$400. The express company sent the shipment back later to be sold to the best advantage and seemed disposed to settle the matter agreeably.

The Chicago Carnation Co.'s baseball nine met its second defeat of the season on May 4 when one of the other Joliet teams gave them a good trimming. However, Superintendent Olsem has a pretty fast aggregation and is bound to stir things up in the penitentiary city before the season closes. Why not take revenge on the local florist nine?

Wietor Bros.' stock is arriving at the store in large quantities now but cleans up well each day notwithstanding the present market condition. N. J. Wietor has finally come to the conclusion that Mrs. Jardine is a rose of the past and will discard it next season.

E. E. Shelton of the Chicago Car Advertising Co. is calling on the trade in the interests of the Cook County Florists' Association with a view of having the local florists contribute to a general publicity fund to be spent in streetcar advertising.

The Chicago Flower Growers' Association reports a good business with a brisk demand for carnations. This firm is now showing a fine line of plants at the store in addition to its regular line of seasonable cut flowers.

D. E. Freres is handling large quantities of stock nowadays and is at present featuring a fine grade of Killarney roses. Carnations are also one of his principal offerings.

John Zech and wife visited their old home at La Porte, Ind., on May 4 when they also attended the K. of C. banquet in that city which was quite an elaborate affair.

M. Pekarek, proprietor of the California Co., was drafted for jury service this week but was finally excused owing to pressure of spring work.

Chas. W. McKellar says that Cattleya Trianae is still arriving in good supply but that the demand also keeps up well.

A new store known as the Indiana Florist has opened on Forty-third street near Prairie avenue.

ATTENTION! PEONY GROWERS

We are in the market for Peonies and can handle your crops all season to good advantage. If your stock is ready to cut, make a shipment immediately for we can use the stock now; otherwise write and tell us what you have so we can plan accordingly. Returns made weekly. Answer by next mail.

John Kruchten

Wholesale Cut Flowers

162 N. Wabash Ave.

CHICAGO

FAIRFIELD FARM

GARDENIAS (Cape Jasmines)

For Decoration Day Trade.

Alta Loma - Texas.

**U S Budlong's
E Blue Ribbon Valley.**

**MAIL ADVERTISEMENTS NOW FOR MEMMORIAL
DAY NUMBER TO BE ISSUED MAY 17.**

JOHN F. KIDWELL, President.

EDWARD MEURRT, Vice President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449

176 N. Michigan Ave.

Chicago

BIG SUPPLY

White and Red

Carnations

And White and Red

ROSES

FOR MOTHERS' DAY

EXTRA FINE STOCK

ALL SEASONABLE FLOWERS AND GREENS.

Current Price List. Subject to change without notice.

Grade	A	B	C	D	E
American Beauties..... per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$2.00	1.50
Killarney..... per 100	8.00	6.00	5.00	4.00	3.00
White Killarney.....	8.00	6.00	5.00	4.00	3.00
My Maryland.....	8.00	6.00	5.00	4.00	3.00
Richmonds.....	8.00	6.00	5.00	4.00	3.00
Mrs. Aaron Ward.....	8.00	6.00	5.00		
Sunburst.....	8.00	6.00	5.00		
Carnations.....	5.00	4.00	3.00		
Callas.....	12.50	10.00			
Lily of the Valley.....	4.00	3.00			
Violets, Extra fine single.....	1.50	1.00			
Double.....	1.00	.75			
Sweet Peas.....	1.50	1.00	.75		
Jonquils.....	4.00	3.00			
Tulips.....	4.00	3.00	2.00		
Easter Lilies.....	12.50	10.00			
Daisies.....	1.50	1.00			
Asparagus Plumosus Sprays..	4.00	3.00	2.00		
Asparagus Sprenger Sprays..	3.00	2.00			
Mexican Ivy.....	.60				
Smilax.....	16.00	12.50			
Galax, Green and Bronze..... per 1000	1.00				
Ferns.....	2.00				
Boxwood..... bunch	.25				
Adiantum..... per 100	1.00	.75			

U S Budlong's E Blue Ribbon Valley.

Fred Hoerber says the coroner's inquest was held on May 3 at Des Plaines over the death of the two trainmen who were killed by the falling of a chimney at Hoerber Bros. plant during the recent cyclone. Accidental death was the verdict rendered.

At Peter Reinberg's store the Richmond is still the leader in roses although the other varieties are arriving in quantity now. Trade has been good at this house, all things considered, and a brisk Mothers' day trade is anticipated.

Kennicott Bros. Co. is already receiving a good supply of peonies, the first of the season arriving early in the week. The Peony King as usual will be on deck at the store with a large supply for Memorial day.

Percy Jones is doing a good supply business and is finding that his special weekly bargains are bringing good returns. The cut flower department under the management of T. J. Simon is having its share of trade.

H. Wittbold, Frank Beu, H. C. Blewitt, Sinner Bros., M. C. Gunterberg and A. E. Hunt & Co. are now sharing the quarters at 56 East Randolph street formerly used by H. Wittbold as a large display room.

Miss O. A. Tonner, the Iris Queen, is having a good run on Spanish iris which she is featuring in quantity in white, yellow, blue and lavender.

The Chicago Great Western has been named the Official Route of the Chicago Florists' Club to the Minneapolis Convention, August 19th to 22nd.

The Chicago Florists' Club will leave Chicago by Special Train at 6.15 p. m., August 18th, an invitation is extended to all eastern Florists and their friends and families to join them at Chicago and go to the convention in a body.

Special train will be "up-to-the-minute" throughout—including compartment and drawing room and standard sleepers, Buffet Club car, dining cars, Observation parlor, etc., etc.

For berths and information address,

A. L. CRAIG, General Pass. Agt.,
1139 People's Gas Bldg., CHICAGO, ILL.



"The Busiest House in Chicago."

LILAC

**Regular Supply of Both White and Purple.
Also Spanish Iris, Gladioli, Daisies,
Sweet Peas, Lupines, LILIES, Trail-
ing Arbutus, Roses, Carnations, Val-
ley, and all other seasonable cut
flowers. Full line of Greens. :-
ORDER TODAY.**

QUANTITY

QUALITY

J. B. DEAMUD CO.

Phones { Central 3155. 160 N. Wabash Av., CHICAGO
Auto. 44-389.

The next meeting of the Florists' Club will be held at the Union Restaurant, West Randolph street, on Thursday, May 8. The business of the evening will be the report of the executive committee on the needs of flood and storm victims and the ways and means of assisting them; report of the special committee that was appointed to represent the club at the meeting of the publicity committee of the S. A. F. at the Grand Central Palace, New York, April 7, 1913, and the report of the transportation committee on transportation to Minneapolis next August to the convention. Prof. McMillan of Urbana will give an interesting talk on insects.

Mrs. William Jonathan Head, Miss Mary Holabird, Miss Alice Leavenworth and Miss Lillian Fuellgraff, prominent local society women, will be among the active workers in the Mothers' day flower festival to be held throughout the city and suburbs on May 10. The proceeds will be used to establish a mothers' free room at the Chicago Union Hospital. Dr. Julia Holmes Smith, chairman; Mrs. George W. Davis, general chairman; Mrs. N. L. Pietrowski, acting chairman, and Dr. Elmer E. Vaughan, president of the hospital, are in charge of the arrangements.

The John C. Moninger Co. has just closed a contract for 6 houses, 28x400 feet, for Holton & Hunkel Co., of Milwaukee, Wis., and 8 houses, 30x200 feet, for the Alpha Floral Company of Lansing, Mich. The latter will start to build in June and the Holton & Hunkel Co. in August.

John B. Eberhart and wife of 7442 Bond avenue announce the engagement of their daughter, Marie Elizabeth, to John J. Stuppy, of the Stuppy Floral Co., St. Joseph, Mo. No date has been set for the wedding.

Bassett & Washburn expect to have a large crop of carnations for Memorial day but it is well fixed on roses at present and is showing some fancy American Beauty roses in the larger grades.

FLINT, MICH.—A. J. Mackinnon is building a greenhouse on Flint street.

MARSHFIELD, WIS.—Theodore Hefko is enlarging his greenhouse and building a new garage. He will raise vegetables in addition to flowers this season.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

Cleveland.

GOOD MOTHERS' DAY EXPECTED.

Mothers' day promises to be the best ever, as already the orders for stock are such as to make the wholesalers get busy. There never was too much stock for Mothers' day since it started and this year will be no exception. The past week stock has been in fairly good supply. Carnations were a little short of the demand, and will continue so this week. Pink and White Killarney roses are in good supply and stock is very good. Richmond roses with longer stems are beginning to arrive. Easter lilies are in good demand, and as a result the supply is becoming limited. A fine lot of snapdragon, in pink, white and yellow, is arriving daily. Orchids are arriving in good shape. The blooms are exceptionally large and of very fine color. They move quickly at moderate prices. Daisies, white and yellow, are a part of the daily stock. Sweet peas are again more plentiful. Kaiserin Augusta Victoria roses will be with us again in about a week. All outdoor stock is making good headway in this vicinity and Memorial day will see local peonies besides lilac, etc.

NOTES.

G. Loeffelhein, florist at 6515 St. Clair street, was seriously hurt when the wagon he was driving was struck by a street car early Friday morning. The wagon was demolished, the horse cut and badly bruised, and Mr. Loeffelhein was thrown from his wagon, sustaining several broken ribs and a torn scalp. Owing to his advanced years he is in a serious condition. He was taken to his home in an ambulance.

"Bramley & Son, Florists," is the name that will appear on the suits of nine of the snappiest baseball players in the city championship contest. Mr. Bramley is willing to wager any reasonable amount he gets the pennant this year.

Mothers' day is being extensively advertised in this city, with window

A DECORATION DAY WINNER

Natural prepared American Oak Wreaths, made from preserved and fireproof Oak Sprays in cherry red, golden brown and natural green. Two sizes 18 and 24 inch. Sample of 24-inch wreath will be sent postpaid on receipt of 90c.

OSCAR LEISTNER, 17 North Franklin Street
CHICAGO

Selling Agents for OVE GNATT Hammond, Ind.
Preparer of natural foliages.

'U S E Budlong's Blue Ribbon Valley.

Anyone desiring

Orange Blooms or Cut Flowers

Can obtain same by addressing

B. Eldredge Greenhouses
BELVIDERE ILL.

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,

713-717 Milwaukee Ave.,

CHICAGO

display, cards, banners and street car advertising, which in the past has proved very effective in keeping this day before the public.

Chas. T. Sharpe, formerly with the H. E. Wilson flower store of Rochester, N. Y., is now manager of the Rosery at 8021 Euclid avenue.

C. F. B.

White Carnations

For Mothers' Day.

Large enough supply of all kinds to fill late orders. Also plenty of **Beauties, Roses, Lilies, Callas, Spanish Iris, Lilac, Gladioli, Valley, Tulips**, and all other seasonable stock.

Current Price List

Subject to
Market Changes.

AMERICAN BEAUTIES.		Doz.
Specials.....	\$4 00	
36-inch.....	3 00	
30-inch.....	2 50	
24-inch.....	2 00	
20-inch.....	1 50	
15-inch.....	1 25	
12-inch.....	1 00	
Short stems.....	per 100, \$4.00 to \$6.00	

CARNATIONS.		Per 100
Fancy.....	\$4 00	
Fancy red.....	3 00	
Firsts.....	3 00	
Common and Splits.....	2 00	

ROSES.		Per 100
Richmond, select.....	\$8 00	
Fancy.....	6 00	
Medium.....	4 00	
Good Short.....	3 00	
Killarney, select.....	8 00	
Fancy.....	6 00	
Medium.....	4 00	
Short.....	3 00	
White Killarney, select.....	8 00	
Fancy.....	6 00	
Medium.....	4 00	
Good Short.....	3 00	

Orchids, Cattleyas.....		per doz.,	\$7 50 to \$9 00	Per 100
Callas.....	\$1 50	"	"	12 00
Smilax.....	"	"	"	2 00
Tulips.....	per 100,	2 00 to	3 00	
Spanish Iris.....	"	4 00 to	6 00	
Snapdragon.....	"	4 00 to	6 00	
Valley.....	"	3 00 to	4 00	
Mignonette, large spikes.....	"	"	4 00	
Sweet Peas, common.....	"	75 to	1 00	
Sprengeri, Plumosus.....	"	3 00 to	4 00	
Plumosus strings.....	Each,		60	
Ferns.....	per 1000,		2 00	
Galax.....			1 00	
Leucothoe.....	per 100,		75	

A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.,

L. D. Phone:
Central 2761

CHICAGO

St. Louis.

PLANTSMEN BUSY.

The weather the past week warmed up considerably and gave the plantsmen a chance to get busy. Geraniums are not so plentiful as last year and prices are higher. Lilac, iris and other outdoor flowers are now seen. Carnations, good stock, are quoted at 1½ and 2 cents. Whether Mothers' day will stand for an advance in prices remains to be seen, but the public will not stand for high prices. Some good sweet peas are seen and bring good prices. Peonies from the South will soon be in and Cape Jasmines about May 10. Some good white and purple lilac sold out clean.

NOTES.

Mrs. Ed Buechel, of the Riessen Floral Co., reports good business during the past week. Funeral work was very large and orders were pouring in from all quarters.

George Waldbart had the floral decorations at the Peace Congress, and also at the home of Robert S. Brookings, where Andrew Carnegie stayed while here.

The Windler Wholesale Floral Co. has a fine stock of everything, and their business is growing. Al Gumz and Frank Windler are hustlers.

A tree was planted Friday, May 2, by Andrew Carnegie on the playgrounds at Tower Grove park to commemorate the Peace Congress.

Grimm & Gorly's new store is now completed and presents a very handsome appearance. A fine stock of blooming plants are shown here.

Miss M. S. Newman has been very busy preparing for a large international wedding which took place Wednesday, May 7.

Mrs. H. G. Berning, we regret to announce, shows but little improvement in her health as a result of her visit to the coast.

Ostertag Bros. are doing an immense spring trade in plants and shrubs. They dispose of the latter by the carload.

The Ellison Floral Co. suffered somewhat as a result of an explosion that occurred in the adjoining neighborhood.

The Wm. C. Smith Wholesale Floral Co. reports stock plentiful, especially the poorer grades; good stock hard to get.

C. A. Kuehn is doing a nice trade in cut flowers and supplies.

Some extra fine sweet peas were seen at H. G. Berning's.

George Hartman is bringing in some good carnations. W. F.

Cincinnati.

BUSINESS VERY GOOD.

Business last week was very good when taken as a whole. The week started rather inauspiciously but by the middle the supply was more limited than a fortnight ago, while there was a very active demand for stock. Toward the end of the week the market was a little easier but still in fine condition. Monday of the present week was good. The rose supply was and is good and large; not a single variety is an exception. American Beauty in all lengths can be had in fair quantities. The stock is good, too. Some fine Kaiserin are coming in while the other standard lines, such as Pink and White Killarney, Taft, Richmond and Ivory are coming in strong. The carnation receipts have let up considerably. This fact, combined with a good demand, has caused a decided boosting of price. As to whether

Gold Letters

1¼ inch.....	45c per 100
1 ".....	40c " "
¾ ".....	35c " "

Script Words.

2½ cents each. All kinds in stock. Gold or purple.

Magnolia Leaves.

Finest in the U. S. A. 90 cents per hamper, 10 lbs. Place orders now for Decoration Day at our prices, for they are moving like hot cakes.

Cycas Leaves.

12 inch.....	\$2.25 per 100
16 ".....	3.00 " "
20 ".....	3.75 " "
24 ".....	4.50 " "
32 ".....	5.25 " "
36 ".....	6.25 " "
44 ".....	8.50 " "
48 ".....	10.00 " "

We ship the smallest quantity at the same price. Above prices prevailed the last three years with us. If supply houses have charged you more and are now going down, it is because we are working the retail trade.

OAK SPRAYS, 20c per lb.

One pound of oak sprays is sufficient to make a 24-in. wreath. Make the wreath yourself and you can count 70 cents saved money.

American Importing Co.
219 Dearborn Street, Chicago

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street

L. D. Phone, Randolph 6578

CHICAGO, ILL.

or not the present prices will be maintained on all varieties even up to Mothers' day depends entirely upon how the demand keeps up. Any appreciable slackening of the call is bound to cause a corresponding slump in the price even though the receipts are not overly large. Spanish iris and gladioli are meeting with a very good call. The German iris does not sell nearly so well. The lighter colors in antirrhinum sell nicely while the deeper colored sorts are not so popular. Out-door lily of the valley is coming in very strong, and up to the time of this writing has been finding a good market. The blooms are very clean and of good quality. The forced lily of the valley is very limited in supply. The sweet pea supply is large and the good stock finds a fair market. Stock that is not so good finds no market at all. The demand for Easter lilies and callas has picked up a little but not sufficiently as yet to affect the prices materially. The green goods supply is adequate.

On Saturday business in the Sixth street flower market was very good. Cut flowers cleaned up well while the bedding stock, hydrangeas, roses and ferns sold very nicely.

C. E. Critchell has been receiving many fine lots of American Beauty roses from the South Park Floral Co. at New Castle, Ind.

Miss Margaret Anstead's condition has so greatly improved that she has been removed to her home from the hospital.

A. Sunderbrück's Sons decorated the Pogue stores on their fiftieth anniversary.

Visitors: Frank Farney, representing the M. Rice Co., Philadelphia, Pa.; Jos. Goldman, Middletown, Ohio, and Mrs. W. H. Guadinger, Cynthiana, Ky.

H.

Detroit.

CONDITIONS MUCH IMPROVED.

Trade conditions the past week were a decided improvement in all respects over the previous week, the only complaint being the scarcity of stock at times, when heavy demands were made, caused chiefly by an extra amount of funeral work. Good carnations continue scarce, and a decided shortage is indicated for Mothers' day, when the demand will, in all probability, be great. Some good snapdragons are now coming in, and some improvement in both quality and quantity of roses is noted. Sweet peas are coming in in greater quantities than formerly, but the demand for these does not permit any accumulations. Easter lilies are fairly plentiful, but are little used for anything except funeral work. Calla lilies are now decidedly scarce. Boxwood plants and trees are much in favor this season, and nearly all the retailers carry them in various sizes, and are doing a satisfactory business in this line.

NOTES.

A special meeting of the Florists' Club was called Wednesday evening, April 30, at the L. Bomb Floral Co.'s store, for the purpose of consummating plans for the development of trade for Mothers' day. The publicity committee, consisting of R. Rahaley, A. Poch-

CAPE JASMINE

FROM TEXAS COAST JASMINE FARMS. CREAM OF THE CROP.

We have the flowers. You need them. Place your orders with us at once. We will have close to 500,000 buds this year. Buds packed to ship any distance.

PRICES ARE:

B's—3 to 6-in. stems.....	\$5.00 per 1000
A's—6 to 12-in. stems.....	8.50 per 1000
X's—12 to 18-in. stems.....	13.00 per 1000
Less than 500, \$1.00 and \$1.50 per 100	

CASH OR C. O. D.

P. O. BOX 226

R. W. WOODWARD, Mgr.

ALVIN, TEXAS.

GARDENIAS.

Choice buds (Jasmine Grandiflora) with an abundance of bright fresh foliage from strong vigorous plants.

Class A, \$1.50 per 100, \$13.00 per 1000; stems over 12 inches F.O.B.

Class B, 1.00 per 100, 8.50 per 1000; stems under 12 inches F.O.B.

CASH OR C. O. D.

P. O. Box 201.

YARD & YARD, ALVIN, TEX.

elon and J. F. Sullivan, was authorized to advertise the event in the daily papers, at a cost not to exceed three hundred dollars, and nearly that amount was subscribed at the meeting for the purpose. The same committee will ask the mayor to issue a proclamation asking proper observance of the day.

The Boulevard Floral Co., 1556 Gratiot avenue, is the name of the most recent addition to our long list of stores. Geo. Ullrich and Edward Foster, both former employees of C. H. Plumb, are the owners. The store is pretty and well located, being in the eastern residential part of the city. Mr. Ullrich is a native of Lafayette, Ind., and for fifteen years worked for the Fred Dorner & Sons Co.

Wm. Dilger, who has charge of the parks of London, Ont., is making plans for the new South Park cemetery at St. Thomas, Ont. The area covers over 71 acres, and embraces the latest developments in this class of work.

J. F. S.

Mothers' Day Monopoly.

Has any organization a monopoly on the word "mother"?

The Mothers' Day International Association of Philadelphia says it has. The Mothers' Emergency League of Chicago is equally emphatic in its assertion this city has as much right to use the word as has the "The City of Brotherly Love."

A letter from the eastern organization to the Tribune, protesting against the local use of the word "mother," was received yesterday. It called attention to the proposed flower festival to be given by the Chicago organization for the benefit of the Chicago

Union Hospital's free room for destitute mothers next Saturday, and declared Philadelphia had the sole right to solicit funds through any Mothers' day measure.

"No person or society in your city or state is authorized, or has any right, to solicit 1 cent in any way through Mothers' day, either directly or by subterfuge of any kind," reads the letter. "To this association alone belongs the right to use its work, although we have never exercised the privilege."

"There is no monopoly on the word 'mother,'" said Edward J. Brundage, a director of the Union Hospital, and attorney for the league. "I received a letter from this Philadelphia association, but find they are not incorporated in this state, so I can see no reason why we should not use the word mother. I have told the league officials to ignore this protest."—Chicago Tribune.

Illinois Agricultural Board Retained.

Springfield, April 29.—Representative Lovejoy's bill abolishing the state board of agriculture, and providing for the appointment by the governor of a state fair commission of five members was killed today by the house committee on agriculture. The action of the committee in referring the measure to a subcommittee practically was unanimous.

BOONE, IA.—The plant of the Kemble Floral Co. was badly damaged by fire recently.

OMAHA, NEB.—Trees from the city's nurseries are being set out to replace those blown down by the recent tornado.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Private Exchange to
all Departments.

Phone Central 7720.

CHICAGO

Everything in Cut Flowers and Supplies.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids, Violets and Other Seasonable Stock.

Long Distance Phone
Central 3598.

We have a big supply of
Mexican Ivy
and a surplus of choice
MAGNOLIA LEAVES
AND PREPARED PALM LEAVES.

H. WITTBOLD
56 Randolph St., CHICAGO
Phone Randolph 4708

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers
at Lowest Market Prices.

30 E. Randolph St., CHICAGO

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, May 7.	Per doz.
Roses, Beauty, specials.....	\$4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 28-in.....	2 00
" " 15-20-in.....	1 25@ 1 50
" " 12-in.....	75
" " Short.....	Per 100
" Killarney.....	4 00@ 6 00
" White Killarney.....	4 00@ 10 00
" Richmond.....	4 00@ 10 00
" Prince de Bulgarie.....	4 00@ 12 00
" Radiance.....	4 00@ 12 00
" My Maryland.....	4 00@ 10 00
" Melody.....	4 00@ 12 00
" Mrs. Jardine.....	4 00@ 10 00
" Lady Hillingdon.....	4 00@ 12 00
" Sunburst.....	4 00@ 12 00
Carnations.....	1 00@ 4 00
Daffodils.....	3 00
Cattleyas.....per doz., 6 00 and up.	
Gardenias.....	2 00@ 4 00
Iris, Spanish.....	4 00
Lilium Harrisii.....	10 00@ 12 50
Peonies.....	4 00@ 8 00
Valley.....	3 00@ 4 00
Sweet Peas.....	1 00@ 1 50
Adiantum Croweanum.....	1 00
Boxwood.....per lb.,	25
Ferns.....per 1000.	2 00@ 2 50
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy.....per 1000.	5 00@ 6 00
Plumous Strings.....each.	50@ 60
Smilax.....per doz.,	2 00@ 2 50
Sprenger, Plumous Sprays.....	3 00@ 4 00

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond, Killarney and White Killarney roses. All orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing

Wietor Bros.

Wholesale Growers of **CUT FLOWERS**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

Chicago Carnation Co.

Wholesale Florists.

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

Mention the American Florist when writing

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing



HOERBER BROS.

Wholesale Growers of **Cut Flowers**

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., CHICAGO

HARTFORD, CONN.—J. A. Weber, an expert florist and horticulturist for the past 12 years in the employ of James J. and Walter L. Goodwin, has accepted a similar position with E. C. Goodrich, a prominent railroad official, at Excelsior, Minn.

BATTLE CREEK, MICH.—At a recent meeting of the Battle Creek Horticultural Society the following were appointed a committee to prepare the premium list for the July flower show: D. H. King, E. W. Roberts, Levant Cole, Mrs. Philo Ford and Mrs. T. H. Fuller. It was decided to hold the meetings only once a month hereafter until October.

CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
**Choice Cut Flowers
and Greens**

Green Sheet Moss

For lining hanging baskets, for decorating
show windows, for covering soil on pot
plants, etc. 1 Bale (5 bundles).....\$1.25
5 bales (25 bundles)..... 6.00

GEO. H. ANGERMUELLER,
Wholesale Florist. ST. LOUIS, MO.

U S Budlong's E Blue Ribbon Valley.

Philadelphia.

DEMAND KEEPS UP.

The demand for good flowers has kept up wonderfully well the past few weeks, the supply hardly being equal to it. Weddings and quite a run of work for funerals, much of it for wealthy people, used up the cream of the stock almost before it arrived. White Killarney roses are beginning to get off color so that Kaiserin, of which a goodly supply has recently appeared, is quite in favor. Extra fine Pink Killarney are offered, as are also My Maryland. American Beauty roses are still a great factor. They are in good supply but there is a steady call for them at the moderate spring prices. Carnations are not as good as they were a week ago. Possibly the near approach of Mothers' day may be having its influence. Baby gladioli, Spanish iris, and tree peonies are comparatively new comers and satisfy those looking for novelty. There are still plenty of gardenias. Cattleyas about meet the demand and prices are held firmly. Lily of the valley has been one of the scarce things, there having been no surplus for some time. Lilac is about done. Sweet peas are selling closely up to the shipments. Select stock is fine.

CLUB MEETING.

Adolph Farenwald's paper on Affiliation was the feature of the May meeting of the Florists' Club. His idea of making every florists' club a local working body and each member also a member of the national society by applying a part of the dues to the national society was freely endorsed. Wallace R. Plerson gave an interesting talk on the same matter, also touching on publicity and the late flower show. Robert Pyle spoke of the work of interesting the amateurs and the buyers of flowers. Charles Fox made an interesting address on the New York Flower Show and its great importance educationally to the business and how it opened the eyes of many newspaper men to the magnitude of the business. John C. Gracy was appointed to get up an outing for the club to be held in the near

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245.

P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, May 7.

	Per 100
Roses, Beauty, extra.....	20 00@35 00
" first.....	10 00@15 00
" Brides and Maids.....	4 00@12 00
" Killarney.....	4 00@12 00
" White Killarney.....	4 00@15 00
" Liberty.....	6 00@15 00
Carnations.....	3 00@ 5 00
Cattleyas.....	35 00@50 00
Daffodils.....	2 50@ 3 00
Freerias.....	2 00@ 3 00
Gardenias.....per doz., 1 00@ 2 00	
Lilium Harrisii.....	8 00@12 00
Lily of the Valley.....	3 00@ 5 00
Calla Lilies.....	10 00@12 00
Marguerites.....	1 00@ 1 50
Snadragons.....	10 00@20 00
Sweet Peas.....	75@ 1 50
Peonies.....	6 00@ 8 00
Gladiolus, miniature.....	3 00@ 4 00
Asparagus.....per bunch, 50	
Tulips.....	2 00@ 4 00

PITTSBURG, May 7.

	Per 100
Roses, Beauty, special.....	50 00
" extra.....	30 00
" No. 1.....	15 00
" Killarney.....	3 00@10 00
" My Maryland.....	3 00@10 00
" Richmond.....	3 00@10 00
Carnations.....	3 00
Calla Lilies.....	12 00
Freerias.....	3 00
Gardenias.....	3 00
Daisies.....	2 00
Cattleyas.....	50 00
Violets.....	50@ 75
Sweet Peas.....	75@ 1 00
Lilium Longiflorum.....	12 00
Lilium Rubrum.....	8 00
Lily of the Valley.....	4 00
Daffodils.....	3 00
Tulips.....	3 00
Paper White.....	3 00
Romans.....	2 03
Poeticus Narcissus.....	1 00
Oncidiums.....	4 00
Lilac.....per bunch, \$1 00	
Asparagus Sprenger, per bunch, 35@40	
Sprays.....per bunch, 35@40	

MILWAUKEE, May 7.

	Per 100
Roses, Beauty, per doz., 2 00@5 00	
" White and Pink Killarney.....	3 00@10 00
" Richmond.....	3 00@10 00
Carnations.....	1 50@ 3 00
Callas.....per doz., 6 00@ 8 00	
Easter Lilies.....	6 00@10 00
Lily of the Valley.....	3 00@ 4 00
Sweet Peas.....	50@ 1 00
Tulips.....	2 00@ 3 00
Daisies.....	50@ 1 50
Asparagus.....per string, 50	
Sprenger, per bunch, 35	
Ferns, fancy.....per 1000, \$2 00	

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.

1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

Easter Lilies, Carnations, Sweet Peas,
all the popular roses. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist.

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

BEAUTIES**The Best. \$3.00 per doz.**Splendid stock in any quantity.
Special price on large order.**SNAPDRAGON****\$6.00-\$8.00 per 100.**Pink, White and yellow. As good
now as any time during the season.**PEONIES****\$8.00-\$10.00 per 100.**We can recommend them to you.
All freshly cut, none from storage.**THE LEO NIESSEN CO.,** Wholesale Florists,
N. W. Cor. 12th and Race Sts.,**Philadelphia, Pa.****EASTER LILIES**

All year round grown by

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio

Edward Reid**WHOLESALE FLORIST,****1619-21 Ranstead St., PHILADELPHIA, PA.**Orchids, Beauties, Valley, Tea Roses. The
best on the market for the price. Every facility
for rapid delivery**U S Budlong's
E Blue Ribbon Valley.**future. A committee was appointed
to consider the possibility of a rose
garden in Fairmount park. A sub-
stantial sum was subscribed for the
flood and hurricane sufferers of the
recent rain and wind storms.**NOTES.**Carnations of the Reid brand for
Mothers' day are to be a feature with
Edward Reid. He has made sure of a
good supply for this demand. David
Rust, secretary of the Pennsylvania
Horticultural Society and manager of
the hall says that the past year is the
best they have ever had, there being
a nice balance on the right side of the
ledger. The exhibitions do not pay
expenses but the use of the hall for
other purposes is steadily increasing.The M. Rice Co. is much pleased
with the outlook for Memorial day.
Large orders are received daily. This
firm reports that many of the trade
are preparing magnolia wreaths to be
decorated with flowers when the day
arrives.The Robert Craig Co. has a tremen-
dous stock of bedding plants. The
empty Easter houses are now com-
pletely filled with this class of stock.
It is in splendid shape and will keep
them busy selling it for the next few
weeks.Pennock Brothers are renovating
their store. Everything in fixtures is
offered for sale, as an entire change
is to be made. Liddon Pennock says
that when completed it will be one
of the best of its kind in the country.Berger Bros. are making great
preparations for Mothers' day. They
have already booked large orders and
are confident the business will be much
larger than last year.At the Leo Niessen market great
quantities of stock is turned over daily.
Peonies are a feature. American Beauty
roses are handled by the thousands.W. K. Harris has brought on some
very fine plants of the favorite ram-
bler roses that are very much in de-
mand at this time. K.**WELCH BROS. CO.**American Beauty, Killarney, Richmond, Maryland and all the
Superior Roses, Lily of the Valley, Carnations, Orchids**BEST PRODUCED**

226 Devonshire Street,

BOSTON, MASS.**Wholesale Flower Markets**

BUFFALO, May 7.		Per 100
Roses, Beauty, special.....	20 00	25 00
" " fancy.....	15 00	20 00
" " extra.....	10 00	15 00
" " No. 1.....	7 00	10 00
" " No. 2.....	3 00	5 00
" Maid and Bride.....	3 00	6 00
" Pink Killarney.....	3 00	8 00
" White Killarney.....	3 00	8 00
" Richmond.....	3 00	10 00
" My Maryland.....	3 00	8 00
" Aaron Ward.....	4 00	6 00
" Kaiserin.....	4 00	8 00
" Carnot.....	4 00	8 00
Snapdragon.....	4 00	6 00
Tulips.....	1 00	2 00
Swainsona.....	75	1 00
Carnations.....	1 50	3 00
Lilium Longiflorum.....	10 00	12 00
Lily of the Valley.....	3 00	4 00
Pink Japan Lily.....	3 00	5 00
Jonquils, outdoor.....	1 00	1 50
Mignonette.....	2 00	4 00
Daisies.....	1 00	1 50
Sweet Peas.....	40	1 00
Asparagus, per bunch.....	35	50
Asparagus, Sprenger.....	35	50
Ferns.....	per 1000,	\$2 50
Galax.....	per 1000,	\$1 50
Smilax.....		15 00

BOSTON, May 7.		Per 100
Roses, Beauty, best.....	25 00	30 00
" " medium.....	12 00	20 00
" " culls.....		4 00
" White and Pink Killarney	2 00	6 00
" " Extra.....	4 00	8 00
" Taft.....	4 00	10 00
" Cardinal.....	2 00	10 00
" Ward and Hillingdon.....	2 00	8 00
" Killarney and Richmond.....	2 00	8 00
" My Maryland.....	2 00	8 00
Carnations, select.....	2 00	3 00
Callas.....	8 00	12 00
Cattleyas.....	25 00	40 00
Gardenias.....	12 00	25 00
Lilium Longiflorum.....	8 00	10 00
Lily of the Valley.....	2 00	4 00
Sweet Peas.....	50	75
Smilax.....	12 00	16 00
Violets, single.....	35	75
" double.....	25	50

CINCINNATI, May 7.		Per 100
Roses, Beauty.....	per doz., \$1 00	\$3 00
" Bride, Bridesmaid.....	3 00	8 00
" Killarney.....	3 00	8 00
" My Maryland.....	3 00	8 00
" Perle.....	3 00	8 00
" Richmond.....	3 00	8 00
" Taft.....	3 00	8 00
Carnations.....	2 00	4 00
Callas.....	8 00	12 50
Lilium Giganteum.....	8 00	12 50
Lily of the Valley.....	3 00	4 00
Tulips.....	2 00	4 00
Spanish Iris.....	2 00	4 00
Sweet Peas.....	35	1 00
Outdoor Valley.....	2 00	
Miniature Gladioli.....	3 00	4 00
German Iris.....	3 00	4 00
Asparagus Plumosus.....	per bunch,	25
Snapdragon.....	4 00	8 00

Give Us a
Trial
We Can
Please You.Roses, Carnations and all kinds of
Seasonable Flowers in Stock.**WM. F. KASTING CO.,** Wholesale
Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.**—THE—**
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.**—CONSIGNMENTS SOLICITED—**

Special attention given to Shipping Orders

Jobbers of FLORISTS' SUPPLIES,
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL**34-36 Third Ave. East, CINCINNATI, OHIO****Wholesale Commission Florist**
Consignments Solicited**Complete Stock of Florists' Greens and Sappie**

ST. LOUIS, May 7.		Per 100
Roses, Beauty, long.....	per doz.,	4 00
Roses, Beauty, medium.....		8 00@15 00
Roses, Beauty, short stems.....		3 00@ 6 00
" Killarney.....		3 00@ 6 00
" My Maryland.....		3 00@ 6 00
" White Killarney.....		3 00@ 6 00
Carnations.....	1 00	2 00
Lilium Rubrum.....		8 00
Valley.....		4 00
Sweet Peas.....		20@ 60
Asparagus Sprenger.....		2 00@ 3 00
Asparagus Plumosus, per bu.,	35	@60
Ferns, New, Fancy.....		2 00
Galax.....	per 1000,	1.25

New York.

BUSINESS VERY UNSATISFACTORY.

The business of the past week was not at all satisfactory, though it might have been worse. There was an increase in the supply of stock, but no noticeable increase in the demand, and while there was no glut there was more or less slaughter in prices in order to clean up. Good American Beauty roses, we mean specials, kept near to 25 cents each. Both red and yellow roses have been very slow, and if the present hot weather continues they, particularly the red ones, will be likely to come to a full stop. There is a fair movement in Killarney and other tea roses but at reduced prices. A humorist suggested a few days ago, that: "They will soon be selling sweet peas by the bale," and it almost looks like it. An immense quantity of sweet pea stock is on the market and much of it is excellent, but there is a surplus which is hard to move. Fifty cents per dozen bundles is now a high price for sweet peas. Our old friends, the carnations, are making a brave fight and at this writing are holding the field with less loss than other stocks. While carnation prices have declined, the decline is not so marked as in most of the other stocks. First-class carnation stock is selling, wholesale, for 2½ and 3 cents, which we consider good for this season. Stocks, snapdragons, lilac and various other minor stocks are on the market in quantity, but they are not leading factors and have to take their chances according to the taste and fancy of the buyers.

Monday, May 5.—Business is quiet this morning, with an abundance of stock. The weather is cooler.

NOTES.

The annual meeting of the Cut Flower Exchange was held May 3. The principal business was the election of directors and several able men were added to the board including Frank Millang and Philip F. Kessler. The officers and directors are now as follows: John Donaldson, president; Gustave C. C. Schrader, vice-president; Victor Darvel, secretary; Philip F. Kessler, assistant secretary; Charles Beckman, treasurer. Fred Smith, Anton Schultheis (re-elected), Philip Hass, John Schneider (re-elected), Jasper McMullen, Frank Millang, Wm. H. Siebrecht, Sr. (re-elected), John Anderson Leach, directors. Mr. Leach is a city magistrate who studied law in his spare moments, in the potting shed, and is now not only a magistrate but a leading citizen of Astoria, which is a part of greater New York.

The stock of the rose Mrs. Geo. Shawyer arriving at the wholesale stores of Henshaw & Fenrick is very fine and sells well. A. M. Henshaw and wife have gone on a trip for the benefit of Mrs. Henshaw's health, which has been delicate of late.

George Hanges of 685 Columbus avenue is rejoicing over the arrival of a fine baby boy at his home, who has been appropriately named Nicholas Hanges. George is one of the clever Greek florists and has the good-will of everybody in the trade.

A meeting of the New York Florists' Club will be held Monday evening, May 12. A large attendance is expected, as there is likely to be considerable discussion relative to the recent show and to shows in general.

The hot weather of the past week—it was 90 in the shade May 2 and 3—has played havoc with the Richmond roses and they are arriving in an unsalable condition.

Orchids are not over-plentiful and the best sell well. We recently noticed fine cattleya stock at Badgley, Riedel & Myers'.

Practically every line of business in the vicinity of Fifth avenue, the florists included, was tied up on the afternoon of May 3 on account of the suffragette parade.

Traendly & Schenck have issued a neat poster which they give to their customers, calling attention to Mothers' day.

Henry Weston of Hempstead left the hospital May 3, and is now at his home and progressing finely.

The first peonies were seen May 5 at the store of George C. Siebrecht, West Twenty-eighth street.

Alfred H. Langjahr is reported as yet suffering greatly from inflammatory rheumatism.

Gardenias are somewhat in the discard and going very cheap.

Lilac is now plentiful but much of it seems to be of poor quality.

A. F. F.

Long Island Notes.

The soil and climate of Long Island is very favorable to florists and it is easy to find colonies of them within twenty miles of New York. At this season many interesting features can be found both in greenhouses and in the open ground. John Lappe of Maspeth, which is a part of Greater New York, is the banner pansy grower, of this section and his place is at present well worth a visit. It is a conservative estimate that he has five acres of pansies. They grow on a gentle slope rising from the street level and the wealth of color would enrapture a landscape painter. Mr. Lappe has also a large glass area and grows a great variety of other plants. His trade at this season is very large.

Peter Beuerlein, Elmhurst, has 35,000 square feet of glass, and grows a great variety of stock. He is particularly strong on forcing bulbous stock, handling about 400,000 bulbs each season. This season he forced 50,000 Paper White narcissi and the remainder of his bulb stock was yellow narcissi and tulips. He also grows carnations, chrysanthemums, gladioli and a variety of other stocks.

A. L. Miller, a former president of the New York Florists' Club, has a fine range and nursery at Jamaica, in addition to his home range in Brooklyn. We were struck with the neat and well kept nursery where a great variety of evergreen trees and shrubs may be seen, as well as a variety of hardy herbaceous plants. The greenhouses are well stocked with flowering and bedding plants.

Near Maspeth is Middle Village, which has over forty florists, nearly all of whom have glass, their chief business being cemetery work, there being two large cemeteries in that section. The glass areas of their places ranges from less than 1,000 to 25,000 square feet. Many cut flowers are sold but at present the principal business is in plants and in caring for cemetery lots.

Among the most progressive of these florists is Frederick Marquardt, who has over 25,000 square feet of glass and does a very large business. One of his latest innovations was the purchase of a large auto truck, a Packard, for the transportation of plants. In addition to his cemetery work he has a number of men employed at landscape work on private estates.

Anton Schultheis, College Point, is so well known to the trade that it is hard to write anything new about him. At the recent International Flower Show he carried off a number of prizes for orchids, pot roses and other stocks. His range is an extensive one and good pot stock is grown in great variety.

Victor Dorval's Sons is one of the old-established growing firms of Woodside. It was established many years ago by the late Victor Dorval, and is now conducted by his sons, one of whom, Victor, is secretary of the Cut Flower Exchange. They grow a variety of good stock.

Knight & Struck, Flushing, who bought the ranch of H. D. Darlington, retaining the latter as grower, specialize in ericas or heather. Their exhibit at the International Flower Show was very fine, showing many varieties, for which they were awarded a silver medal.

E. L. Enggren of Aqueduct has a fine carnation range and markets his stock at the New York Cut Flower Co. Though there has been some talk of late about a scarcity of carnations we found no scarcity with him, there being many good flowers in sight.

G. Mulhauser of Aqueduct shows good stock and up-to-date methods in his work. At this place we found carnation planting in the field well under way. A new house is being erected, the material being supplied by S. Jacobs & Sons of Brooklyn.

W. O. Cherry is another Maspeth grower, well known in Manhattan where he markets his cut flowers in the Cut Flower Exchange. At present he has a fine stock of daisies and sweet peas and grows a variety of other stock.

Peter Wenk of Ozone Park is a plantsman who has been making a record in the past few years, not only by increasing his glass area but by the large and excellent quality of bedding plants which he grows.

Louis Dupuy, Whitestone, is one of the best plant growers of Long Island, or any place, for that matter. His prize-winning hydrangeas were notable at the show and all that he grows is good.

John Donaldson, Elmhurst, is another well-known grower of lilies and general stock. He is president of the Cut Flower Exchange and vice-president of the New York Florists' Club.

Spiwak & Newman is a new firm of young men who have recently taken the old Matthies place at Woodside. Both had previously been favorably known as employes of other florists.

John Miesem, Elmhurst, is a lily specialist, and brings in fine stock all the year round. As a trustee and active member of the New York Florists' Club, he is well known in the trade.

Fred Smith, Woodside, who conducts the business of Chas. Smith's sons, has a large range, and specializes in Easter lilies, of which he is now sending to market very fine stock.

The firm of Wakefield & Donnelly of Woodhaven has been dissolved and George Donnelly is now proprietor. He has a great stock of geraniums and other bedding plants.

Paul Grumbach of Aqueduct, formerly salesman for his brother Frank of Jamaica, has now a neat carnation range of his own and is growing good stock.

A. F. F.

WESTBROOK, ME.—The new greenhouse built by Mrs. Roland Barrows will be devoted to the growing of carnations.

SPRINGFIELD, MASS.—W. Schlatter & Son report a 10 per cent increase in business over the Easter sales of last year. The prices were practically the same as in 1912. The supply of plants and cut flowers was ample. Lilies and azaleas were the best selling plants, bulbous flowers, sweet peas and violets the most popular cut stock. Carnations and roses were not in great demand.

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NEW YORK

WASHINGTON

OFFICIAL

S. A. F.

Shipping Labels



S. S. Pennock-Meehan Co.

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.



FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red Price per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago

Albany, N. Y.

CLUB MEETING.

An interesting discussion on the use of colored carnations for Mothers' day was a feature of the May meeting of the Albany Florists' Club. The subject was brought up by Frederick Goldring, chairman of the committee on publicity, who said that the call for white carnations on Mothers' day is so great that it is impossible for the growers and the retailers to supply the demand. It was agreed that the use of white carnations might be restricted to honor the memory of a mother who is dead and colored ones might be worn to honor mothers who are living. The subject, it was brought out, is one that has already attracted attention in a number of florists' organizations throughout the country. Edward F. Meaney, chairman of the committee appointed at the April meeting to revise the constitution and by-laws, reported on six amendments, which were discussed and will be voted upon at the June meeting. Two proposals for membership were also laid over until the next meeting. After the adjournment refreshments were served by the committee, of which Louis H. Schaefer is chairman, and a social time was enjoyed.

NOTES.

The firm of Holmes Brothers, Byron C. and William, has completed negotiations for the lease of the store at 20 Steuben street, and expects to open a retail store there soon. Byron C. Holmes has a store at 327 Central avenue which he says he will continue.

Preparations are under way for a historical pageant at Saratoga on July 28-August 2. It will be held in Congress Spring park. R. D.

Baltimore.

WEATHER KEEPS GROWERS BUSY.

Weather conditions are fine at present. Every tree and bush is in full leaf, and flowering shrubbery is blooming profusely. The hot sun is bringing out all the roses under glass and the rose growers are having their hands full just now. Carnations are smaller, though there seems to be quantities for Mothers' day. We hope to see large sales for Memorial day. If the people would buy here as they do in the northern cities and towns everything would be sold out. Here they do not seem to get a rush for flowers after Easter.

CLUB MEETING.

The Gardeners' Club held their regular business meeting Monday night, April 28, at the club rooms. This was "ladies' night." Robt. Brown, horticultural reporter for a local daily, gave an illustrated lecture on his travels through the south and west, which was thoroughly enjoyed by all present. A number of the young people enjoyed dancing to the music of a very fine orchestra. Refreshments were served. A rising vote of thanks was proposed to Mr. Brown by President Wm. Johnston, which was warmly responded to by all. B.

SAN FRANCISCO, CALIF.—The Union Florists have finished remodeling their store and now have one of the prettiest shops in the city.

Paul Meconi
Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Wholesale Flower Markets

NEW YORK, May 7.		Per 100
Roses, Beauty, special.....	15	90@25 00
" extra and fancy ..	10	90@15 00
" No. 1 and No. 2...	1	00@3 00
Bride, Bridesmaid special...	3	00@4 00
" extra and fancy.....	2	00@3 00
" No. 1 and No. 2.....	50	@1 00
Killarney, My Maryland...		
" special.....	6	00@8 00
" extra.....	3	00@4 00
" No. 1 and No. 2	1	00@3 00
" Queen, special...	7	00@10 00
" Red, special...	7	00@9 00
Hillingdon, Aaron Ward...	6	00@8 00
Richmond.....	5	00@10 00
Sunburst, special.....	6	00@8 00
Taft, special.....	9	00@12 00
Mrs. Geo. Sawyer, special...	10	00@20 00
Carnations.....	1	00@3 00
Jonquils.....	1	00@2 00
Cattleyas.....	25	00@60 00
Gardenias.....	1	00@10 00
Tulips.....	1	00@3 00
Lilies, Longiflorum and Harrisii..	6	00@8 00
Lily of the Valley.....	1	00@2 50
Sweet Peas...per doz. bunches...	50	@75
Adiantum Croweanum.....	15	@50
Asparagus Plumosus...doz. bchs.	1	50@3 00
Smilax.....per doz. strings...	1	00@1 25
Lilac.....per bunch...	25c	
Stocks.....per bunch...	20c@40c	
Snaptags.....per doz...	25c@1 00	

Buffalo.

OUTDOOR WORK GOING ON.

The past week has been good for not only the retailer but the greenhouse man, the one who makes a business of caring for lawns, or the landscape gardener. Inquiries are being made daily for veranda boxes and lawn vases which Buffalo is noted for, also for the vases for the various cemeteries, which will keep the greenhouse men in the vicinity of this city very busy. Killarney roses are coming in good quality as are Pink and White Killarney and Killarney Queen. Mrs. Ward is also perfect now. Carnations will be scarce from now on. They have been very plentiful the past three weeks, making bargain sales necessary.

NOTES.

The bill appropriating \$60,000 for a school of floriculture and vegetable culture has passed the legislature and awaits the signature of the governor.

The W. F. Kasting Co. has instituted suit against one of the local florists for conspiracy. The case is on trial in the supreme court.

S. A. Anderson and wife are on a fishing trip along the trout streams of Michigan.

W. J. Palmer is again at the store, very much improved in health.

BISON.

MILFORD, MASS.—W. D. Howard is building a new greenhouse.

NEW ULM, MINN.—Dill & Son have broken ground for their new greenhouses, and will push the work as rapidly as possible.



HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square. Mention the American Florist when writing

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St., NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere. Prompt and satisfactory. Consignments solicited. Mention the American Florist when writing

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Mention the American Florist when writing

Geo. C. Siebrecht

WHOLESALE FLORIST

109 West 28th St., NEW YORK

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CONSIGNMENTS SOLICITED

Mention the American Florist when writing

Guttman Flower Growers Co.

A. J. GUTTMAN, President.

Wholesale Florists

Removed to 102 W. 28th St., New York

Phone 1912 and 7983 Madison Square.

18 Years Experience.

Mention the American Florist when writing

The Kervan Company

FRESH CUT EVERGREENS

and Mosses. Decorating Material for Florist Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5993

119 West 28th Street NEW YORK

IF IT'S SUPPLIES Rice Service Delivers the Goods. M. RICE CO., 1220 Race Street, PHILADELPHIA, PA.

Clean Sphagnum Moss

F. O. B. CHICAGO

10 Burlap Bales . . . \$12.50
10 Wired Bales (large) 11.00

Write for prices on 25 to 100 bale or Car-load lots, f. o. b. Wis. Moss Factory or f. o. b. Chicago.

Vaughan's Seed Store
CHICAGO

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

Window Boxes.

ED. AMERICAN FLORIST:

What are the proper dimensions for window boxes, how deep and how wide at top and bottom? Are zinc-lined boxes better than those made entirely of wood?

Ohio.

C. C. B.

There is no standard size for window boxes. They are made to fit the window ledge, or the front of the porch they are to decorate. For the city house window they vary from thirty inches to four feet in length. They should be at least seven inches deep and eight inches in width. These are all outside measurements. The front of the box may flare out so as to be one to two inches wider at the top, giving more room for small plants. It is better to make boxes six feet or over in two lengths, because they are much easier handled, and when placed together they have the appearance of one box.

For the porch the box may be wider. Twelve inches gives much more room for the plants. These boxes should always be raised above the porch floor by inch strips of wood. This prevents rotting out of both the wood of the porch and the box. All boxes should have a coating inside of linseed oil, which helps materially to preserve the wood. Cement and terra cotta boxes are now coming into general use. They cost about five times those from the carpenter shop, but with ordinary care they will last a lifetime. They are very heavy and require to be well supported, but there is no doubt that they are the coming receptacle for flower plants for window ledge decoration. Zinc linings are not as a rule used for outside boxes. Good drainage with copious watering is necessary.

K.

Do Not Take Any Fake Green Thread. Use the
Genuine Silkline and Get More Thread
and Less Wood.



JOHN C. MEYER THREAD CO., Lowell Thread Mills, Lowell, Mass.
1495 Middlesex St.,

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....50-pound cases \$3.50
Wild Smilax, always on hand.....\$1.00 per 100; \$7.50 per 1000
Leucothoe Sprays, Green.....per pound 20c; 50-pound case, \$7.50
Boxwood.....Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

We are now filling orders for

Southern Wild Smilax

Price, \$3.00 per case

E. A. BEAVEN, Evergreen, Ala.

Mention the American Florist when writing

Nothing Can Improve on Nature

1886

1913

Southern Wild Smilax in limited quantities,
in the standard sixteen cubic foot cases,
\$3.00 per case.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN,

ALABAMA.

MOSS

We have a surplus of 12 barrel bale New Jersey Moss, clean, fresh and burlapped, and will deliver anywhere in Chicago, express prepaid, at \$5.00 per bale, 2 or more bales at \$4.75. By freight collect at 25c per bale less. Satisfaction guaranteed or money refunded.

KLEHMS' NURSERIES, Arlington Heights, Ill.

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

The Best Color Chart

For Florists, Seedsmen
and Nurserymen:

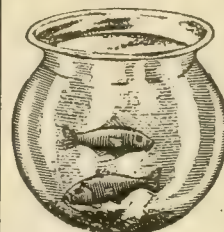
ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schnyder Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.
Published and For Sale by the

American Florist Co., 440 S. Dearborn St.
CHICAGO
PRICE, ONE DOLLAR, POSTPAID.

GOLDFISH



"Something
Alive in the
Window"

Catches
the public eye.
Order your
supply now.

Ass'd. sizes, Medium
and Large,
\$7.00 per 100.

Write for catalog.

AUBURNDALE GOLDFISH CO.
1449 Madison Street, CHICAGO

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

DULUTH, MINN. 

2 STORES 2

 SUPERIOR, WIS.

J. J. LEBORIUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave., Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.
Greenhouses: Short Hills, N. J.

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Telephone 247

We are in position to fill promptly all Mail,
Telephone, Telegraph and Cable orders with
best quality stock in season

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Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street

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L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST

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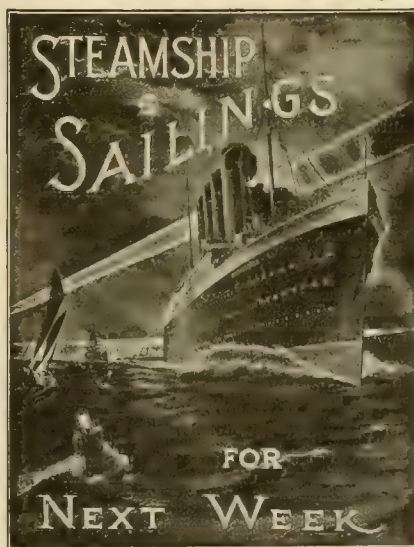
Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.

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STEAMSHIP SAILINGS.

FROM NEW YORK EXCEPT AS NOTED.

May 14.

Campania, Cunard.
Patricia, Ham.-Amer., 1 p. m.
Kaiser Franz Joseph I, Austro-American, 1 p. m.

May 15.

FROM QUEBEC, Empress of Britain, Can.-Pacif.
Baltic, White Star, 12 noon.
C. F. Tietgen, Scand.-American, 2 p. m.

May 16.

St. Paul, American, 10 a. m., Pier 62, North
River.
Gascon, Barber.

May 17.

Caledonia, Anchor, 3 p. m., Pier 64, North
River.
FROM PHILADELPHIA, Dominion, American,
10 a. m.
Zeeland, Red Star, 10 a. m., Pier 61, North
River.
Oceanic, White Star, 12 noon.
FROM BOSTON, Cretic, White Star, 8 a. m.
FROM MONTREAL, Canada, White Star-Dom.
George Washington, North Ger.-Lloyd, 10
a. m.
Russia, Russian-American, 2 p. m.
Vasari, Lamport & Holt, 2:30 p. m.
Aros Castle, Norton.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to
any part of the United States, Canada
and all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Reference or Cash must accompany all orders
from unknown correspondents.

Cable address: ALEXMCNNELL,
Western Union Code.

Mention the American Florist when writing

Memphis, Tenn.

HAISCH'S

87 Madison Avenue

L. D. Phone 726

All orders filled carefully and promptly deliver-
ed in Memphis and all the adjoining states,
Arkansas, Mississippi, Alabama and Tennessee.

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater
orders. Prompt delivery and best
stock in the market.

Dallas, Texas.

The Texas Seed and
Floral Company

Orders for cut flowers and designs solicited for
delivery in any part of Texas.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland
FLORIST

60 KEARNEY STREET

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

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St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Kansas City, Mo.

**WILLIAM L. ROCK
Flower Co.**

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

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304 Main Street.

Members Florists' Telegraph Association.

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FLORISTS,**

1415 Farnum St.

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Bertermann Bros. Co., Indianapolis, Ind.
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Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
California Florists, Tacoma, Wash.
Carbone, Phillip L., Boston.
Clark's Sons, New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Halsch's, Memphis, Tenn.
Heintz & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
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Matthewson, J. E., Sheboygan, Wis.
May & Co., L. L., St. Paul, Minn.
McClunie, Geo. G., Hartford, Conn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Nicholas, John S., New York.
Ostertag Bros., St. Louis.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pellicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Phillips Bros., Newark, N. J.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Portland Flower Store, Portland, Me.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Weber, Fred, C., St. Louis.
Wills & Segar, London, England.
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Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
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J. A. VALENTINE, President,
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"The Saltford Flower Shop."

Vassar College and Bennett School.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

FRED C. WEBER

SELLING FLOWERS
40 YEARS

4326-28 Olive Street

Notice initials—we have one store only.

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187 Main Street

'FLOWERS' Your Orders Solicited

My Only Store. Phone Charter 6535-2

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A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

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FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

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THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE

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Cor. St. Catherine and Gay Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

Boston and all
New England PointsTo THOS. F. GALVIN, Inc.,
124 TREMONT ST.City Index to Retail Florists'
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Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
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Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
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Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Hartford, Conn.—Geo. G. McClunie.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
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Memphis, Tenn.—Haisch's.
Milwaukee—C. C. Pollworth Co.
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New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
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New York—Max Schling, 22 W. 59th St.
New York—John S. Nicholas.
New York—Young and Nugent.
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St. Louis, Mo.—Ostertag Bros.
St. Louis—Fred. C. Weber.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
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Washington—Blackstone.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.

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2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

San Francisco

Podesta & Baldocchi

224 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES
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Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

The Cleveland Cut
Flower Co.

Will fill your orders for designs and cut flowers i

NORTHERN OHIO.

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Wire or Phone Your Orders to the
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The Largest Retail Supply House in the West.

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Albany, N. Y.

EYES,

Flowers or Design Work.

Delivered in Albany and vicinity on telegraphic order.

11 NORTH PEARL STREET

Toronto, Can.

Canada's best known and most reliable florist

Only the Best Dunlop's
96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in Wisconsin

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Wire, Write or Phone West 822
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Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
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25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

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Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

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Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

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336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist

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Careful and prompt attention given to orders for Alaska, Washington and Oregon.

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Phone 5297 Plaza.

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No. 22 West 59th Street
Adjoining Plaza Hotel

In the Heart of New York
NEW FLOWER AND FRUIT STORE
JOHN S. NICHOLAS
42nd St. and Park Avenue
Grand Central Terminal New York City

The Old Established High Class Florist

Has opened a magnificent flower and fruit establishment on the Forty-second street side of the New Grand Central Terminal Station, New York City. The facilities of this store for the satisfactory execution of mail, telephone and telegraphic trade orders at steamers, and elsewhere in New York City and its suburbs are unsurpassed.

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PHILIPS BROS, 938 Broad St.

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Artistic Floral Work and Long Stem
Beauties Our Specialty.

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Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

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Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

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Tacoma, Wash.

California Florists

will take care of all telegraphic orders

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Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Mention the American Florist when writing

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan

Mention the American Florist when writing

Kansas City, Mo.

**Geo. M. Kellogg
Flower & Plant Co.**

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

Louisville, Ky.

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FLORISTS**

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

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CUT FLOWERS

Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

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Blackstone

14th and H. Street.

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries
throughout the state and to all steamship docks
in Hoboken, N. J., and New York.

For Wisconsin Delivery

—OF—
"HOME GROWN FLOWERS"

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J. E. Matthewson
SHEBOYGAN, WISCONSIN

Portland, Maine.

**Floral Designs and
Choice Cut Flowers**

Portland Flower Store

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Member of Florists' Telegraph Delivery.

Rockford, Ill.

H. W. BUCKBEE.

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Special Wholesale Price List of Boxwoods AND Bay Trees

Palms and Other Choice Decorative Stock.

All this stock is of exceptionally fine quality and a big bargain at the prices quoted. Make up your order from this list and you will never have any trouble with dissatisfied customers. Stock up now for future sales.

Boxwoods

Pyramids—	Each
2 to 2½ feet.....	\$1.25
2½ to 3 feet.....	1.75
3 to 3½ feet.....	2.50
3½ to 4 feet.....	3.00
4 to 4½ feet.....	4.25
4½ to 5 feet.....	5.10
5 to 6 feet.....	6.00

Globular—	
2 feet.....	\$1.25 to \$2.50

Standards—	
15 to 18-inch.....	\$2.25
18 to 21-inch.....	2.75
21 to 24-inch.....	3.50

Obelisk, 5-ft.....	Each, \$12.00
Globe Shaped, 2-ft.....	4.50
12-15-inch.....	Each, \$2.00 to 2.50
2-ft.....	3.00 to 5.00
Bushes, 12-in.....	.30
2 to 2½ ft.....	1.50
2½ to 3 ft.....	2.50

MISCELLANEOUS

Aucuba, large.....	Each, \$3.00 to \$3.50
Aucuba Japonica, 2-ft.....	1.00
Aucuba Type, 2-ft.....	1.00
Conifers, assorted, 18-24-in.....	1.00
3-3½ ft.....	1.50

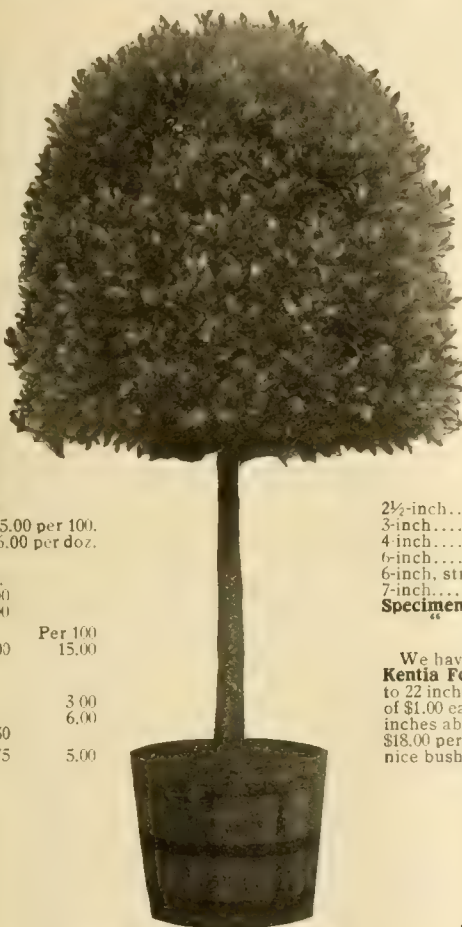
Dracaena Indivisa, 2-in., \$3.00 per 100; 3-in., \$5.00 per 100.	
5-in., \$3.00 per dozen, \$20.00 per 100; 6 in., \$6.00 per doz.	
8-in., 3-ft. high, \$1.00 to \$1.50 each.	

Araucaria Excelsa—	Each	Doz.
6-in., 4-5 tiers.....	\$12.00	
7-in., 4-5 tiers.....	1.50	18.00

Areca Lutescens—	
3-in., 3 plants in a pot.....	2.00
6-in.....	1.50

Asparagus Plumosus—	
2-in.....	3.00
3-in.....	6.00
4-in.....	1.50

Asparagus Sprengeri, 3 in.....	.75	5.00
--------------------------------	-----	------



Bay Trees—Standard

Stem	Crown	Each
12-14-inch	18-in.	\$4.00
2-ft.	12-in.	\$4.00
2-ft.	18-in.	5.00
1-ft.	24-26-in.	6.00
3-ft.	20-22-in.	6.00
2 ft. 4-in.	24-28-in.	7.00
3-ft.	26-in.	7.00
4-ft.	3-ft-6-in. to 3-ft-10 in.	15.00

PYRAMIDS

5-ft. high.....	\$ 8.00	6-ft. high.....	\$12.00
7-ft. high.....	15.00	9 ft. high.....	20.00

KENTIA BELMOREANA

Size	Leaves	Ht.	Each	Doz.	Per 100
2 in.	4	8-in.		\$1.50	\$12.00
3 in.	4-5	8-10-in.		2.00	15.00
4 in.	4-5	12-in.		3.60	30.00
5 in.	5-6	15-18-in.		6.00	50.00
6 in.	6-7	20-22-in.	1.00	12.00	
6-in. strong.	5-6	18-20-in.	\$ 1.50	18.00	
7-in.	6-7	26-28-in.	2.00	24.00	
7-in. strong.	6-7	22-24-in.	2.50	30.00	
Made up 3 in pot, 28-30-in. high.....2.50 Each.					

Latania Borbonica, 5-in.....	\$ 5.00 Doz.
6-in.....	\$9.00 Doz. 12.00 Doz.

PHOENIX ROEBELENI

	Each	Doz.	Per 100
2½-inch.....		\$ 2.00	\$15.00
3-inch.....		3.00	
4-inch.....	\$0.50	6.00	
6-inch.....		12.00	
6-inch, strong.....		18.00	
7-inch.....	\$2.50 and 3.00		
Specimens, 7 in. extra strong.....		4.00 each	
8 in. extra strong.....		5.00 each	

SPECIAL ON MADE-UP KENTIAS

We have an exceptionally large stock of 6 and 7-inch Kentia Forsteriana, 3 plants in a pot. The 6-inch are 18 to 22 inches above pot, on which we make a special price of \$1.00 each, \$12.00 per dozen. The 7-inch are 28 to 32 inches above pot, 3 in a pot. A special price of \$1.50 each, \$18.00 per dozen is offered on these. Remember these are nice bushy plants, just what you need for decorating.

KENTIA FORSTERIANA.

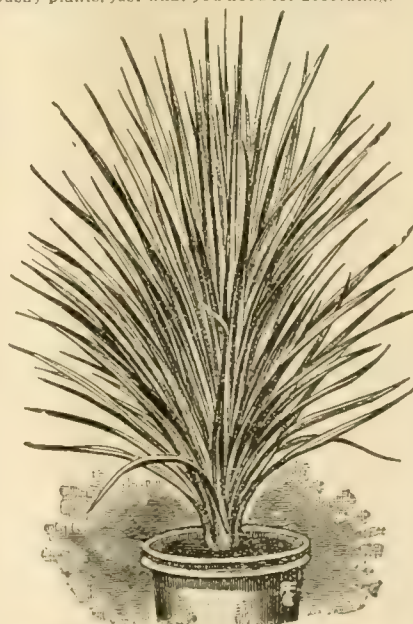
Size	Leaves	Ht.	Each	Doz.	Per 100
2-in.	4	8-10-in.		\$1.50	\$12.00
3-in.	4-5	12-14-in.		2.00	15.00
4-in.	4-5	14-16-in.		4.50	35.00
5-in.	5-6	16-18-in.		6.00	50.00
5-in. strong.	5-6	20-24-in.	.75	9.00	
7-in.	5-6	36-38-in.	2.50		
8-in.	5-6	40-44 in.	5.00		
8-in. strong.	5-6	46-50-in.	7.00		
9-in.	6-7	60-in.	8.00		
Specimens, 6-ft. high.....			9.00		
Specimens, 7 ft. 6-in. high			15.00		

Made Up.

	Each
6-in., 3 in a pot, 18-22-in. high, \$ 1.00 and \$1.50	
7-in., 3-4 in a pot, 24-30-in. high	2.50
8-in., 3-4 in a pot, 40-45 in. high	6.00
10-in., 4-5 in a pot, 58-60-in. high	10.00
12-in., 4-5 in a pot, 62-70-in. high	15.00
Specimens, 6½ ft. high, 4 in a tub. Each, \$18.00	
Specimens, 7½ ft. high, 4 in a tub. Each, 25.00	

PHOENIX RECLINATA

	Each	Doz.
5-in.....		\$ 6.00
6-in.....	\$0.75	9.00
7-in., 24-in. high.....		12.00



The Geo. Wittbold Co. —L. D. PHONE, GRACELAND 1112— 737-39 Buckingham Pl. Chicago

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

EUROPEAN crops of turnip, swedes, mangel and table beets are reported as reduced to 50 per cent of expectations at planting time.

DETAILS of tariff amendments adopted and other important legislative matters will be found on pages 884 and 885 of this issue.

G. C. ELDERING of W. J. Eldering & Sons, Overveen, Haarlem, Holland, arrived on the S. S. New Amsterdam April 29, and will make his usual calls on the trade.

FRENCH bulb crop reports indicate that the growers' syndicate fixed prices on white Roman hyacinths at 100 francs, Narcissus Paper White Grandiflora at 18 to 25 francs.

BALTIMORE, MD.—At a meeting of the board of directors of the Fidelity and Deposit Co. of Maryland, of which Former Governor Edwin Warfield is president, held March 5, 1913, resolutions touching the death of the late Joseph A. Bolgiano, of J. J. Bolgiano & Son, were unanimously adopted.

CHICAGO.—The summer season has come on with a rush and foliage generally is advanced equal to May 15 of an average season. Onion sets are well cleaned up, season practically over.—Prices on the Board of Trade May 7 for grass seed were noted as follows: Timothy, \$3 to \$4 per 100 pounds.

THE Lompoc Valley, California, has in recent years produced good crops of pole beans of the small seeded varieties at low cost, but this season there has not been sufficient rainfall to warrant putting stock seeds into the ground in that locality, and many growers of this class of beans in California have therefore been obliged to plant these beans in localities where higher growing prices are made.

RECENT California seed crop reports indicate a poor outlook for the following seeds, as it is generally believed that the rainy season is now over: Endive, very short; lettuce, all varieties short, many will be failures; radish, very short; sweet peas, very short, possibly failure of many varieties, except the early flowering kinds, which will be nearly a full crop. Be-lated rains might materially help the above serious outlook.

MINNEAPOLIS, MINN.—The Dutch bulb firm of Van Meeuwen & Tege-laar has lost its suit against August S. Swanson, in which it sought to collect for goods that were shipped but not accepted. Mr. Swanson ordered the bulbs on the Holland firm's solicitation, but later informed the firm that he had sold out his business. The purchaser refused to accept the goods and they perished. The district court found for Mr. Swanson, and the supreme court has now affirmed the decision.

NEW YORK.—The seed trade has been very brisk during the past few weeks but is now beginning to wane. At the stores that stock up with vegetable and flowering plants there is yet good business.—At Vaughan's Seed Store the plant trade now seems to be a leading feature; there is a good variety of plants, the store is well equipped for handling them and trade is good.—We regret to hear of the death of Henry Eicke, well known to the trade as representative of various local houses.—V. Shaketam, a clever young man, has established an agency, at 50 West Thirtieth street, for Francesco Bulleri of Italy.—Wm. C. Rickards is now on the road for S. D. Woodruff & Sons.—W. A. Sperling of Stump & Walter's staff is still in Europe.

STURGEON BAY, WIS.—The Jno. B. Davis Seed Co. of this city is again placing seed pea contracts in Idaho, the results obtained by the company in that territory last year having been highly satisfactory. The western headquarters will again be at St. Anthony, Idaho, where other former Sturgeon Bay growers are now located. The Davis Co. is represented in the west by J. T. Wilcox of Chicago and it is expected that Mr. Wilcox will place contracts for about five to six hundred acres of peas, which under fair conditions, should produce about ten cars of seed. Mr. Davis states that a large part of the western crop will be shipped direct from St. Anthony to the consumers, but that part of it will again be brought to this city for hand picking next winter.

Kentucky Blue-Grass Seed in Germany.

It is impracticable to obtain data showing the exact German importations of Kentucky blue-grass seed, as this product is not separately classified in the official statistics. Large quantities of this seed are purchased by European dealers each year, considerable of which goes to Germany. The extent of the German importation depends greatly on the price of the seed and the extent of the German crop. The prices of Kentucky blue-grass seed have shown a marked decrease during the past year, as a result of the recent large harvest. The following are the average German prices of this seed per 100 English pounds for the past three years c. i. f.

Hamburg: Autumn of 1910, \$22.10 to \$22.50; autumn of 1911, \$21.50 to \$22.50; autumn of 1912, \$8 to \$12.

Kentucky blue-grass seed is purchased from the United States and sold abroad in bags of about 100 pounds in weight, and is usually shipped via New York on through bills of lading in carload lots of at least 30,000 pounds. Buyers claim that existing freight rates make the purchase of smaller quantities impracticable. Ocean freights are determined either by weight or space, according to the nature of the commodity shipped. The seed is usually bought by samples which are thoroughly tested by the buyer as to purity and fertility.

Another California Report.

Los Angeles, April 26.—Seed conditions here at this time are anything but favorable. Since the big rain of February 24, we have had a continued drought, excepting light showers which have been of no benefit to our crops. We have had very unfavorable growing weather, and this, together with the drought, has held back our crops, especially the sweet peas. We fear there will be many acres which will not produce seed, as in the past year. The lack of spring rains has also made it extremely difficult to get a stand of flower seeds, and we expect to have some failures on these. It is now time to plant beans, and the continued drought is making it look very serious for this crop. Taking everything into consideration, we fear the crops of 1913 will be shorter, generally speaking, than any year before.

B.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE.

Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

PEAS, BEANS, CUCUMBER

Growers for the Trade.

Ask for our growing prices for crop 1913
Peas, Beans and Cucumber Seed.

Also for prices for immediate shipment.

Alfred J. Brown Seed Co.,

Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEEDPalo Alto,
California.Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.Correspondence
Solicited.

BRASLAN SEED GROWERS COMPANY, INC.

ONION, LETTUCE, CARROT and RADISH SEED

San Jose, California

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers

SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS

Lawn Silicate

For Killing Weeds in Lawns.

LAWN SILICATE is unquestionably superior to any preparation ever applied as a top dressing to lawns to destroy Plantain, Buckhorn, Dandelion, and other low growing flat leaved weeds that a lawn mower will not kill. It is odorless and is easy to apply. Does not stain or injure hands or clothing. Is positively the most economical, quickest and most effective method of getting rid of weeds ever devised.

A 5-lb. package covers 200 to 500 square feet. It does not kill the grass, but the weeds are practically all killed in 24 to 48 hours and are afterwards literally burned up and blow away.

This is not a "fairy tale." We invite investigation. It is sold on "money back guarantee."

Retail Prices, 5-lb. Package, 25c.

10-lb. Package, 50c.

Barrel Lots in Bulk, 4½ c. per lb.

100-lb. Bags, \$5.00.

LIBERAL DISCOUNTS TO DEALERS. Descriptive Circulars on Request. AGENTS WANTED EVERYWHERE.

Superior Chemical Co., Mfrs.,

Incorporated

N. E. Cor. 15th and Arbogust Streets,

LOUISVILLE, KY.

ROSES, CARNATIONS,

PLANTS, SEED, BULBS.

Send us your wants. We will take care of them. We supply stock at market price. Catalogue for the asking.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA
Mention the American Florist when writing

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower.

Specialties: Lettuce, Onion, Sweet Peas, Aster
Cosmos, Mignonette, Verbena in variety.
Correspondence Solicited

Mention the American Florist when writing

MANN'S

Lily of the Valley

are the finest in existence and their flowers
bring the best prices on the London mar-
ket. For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany

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Good, true Seeds are the pro-
duct of Work, Time and Care.
But all Seeds, good and bad, look
alike. It becomes necessary
then, to choose by choosing the
producer.

Braslan Seed Growers Co., Inc.

Wholesale Growers

San Jose, California

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

ROSES

Best new and Standard sorts, prime stock, including—

	2½-inch.	4-in.
American Beauty.....	Doz. 100 1000 100	\$15.00
Blumenschmidt.....	Tea.....\$0.50 \$3.00 \$27.50	
Bon Silene.....	50 3.00 25.00	12.00
Bougere.....	50 3.00 25.00	
Duchesse de Brabant.....	50 3.00 25.00	10.00
Etoile de Lyon.....	50 3.00 27.50	10.00
Freiberr van Marschall.....	50 3.50 30.00	10.00
Lady Hillingdon.....	Tea.....	15.00
Mlle. Franziska Kruger.....	50 3.00 25.00	
Maman Cochet.....	50 3.00 27.50	10.00
Marie Van Houtte.....	50 3.00 25.00	
Mrs. Ben. R. Cant.....	50 3.00 25.00	
Safrano.....	50 3.00 25.00	
Snowflake.....	50 3.00 25.00	
White Bougere.....	50 3.00 25.00	
White Maman Cochet.....	50 3.00 27.50	10.00
William R. Smith.....	50 3.50 30.00	10.00
Louis Philippe Bengal.....	50 3.00 25.00	
Queen's Scarlet.....	50 3.00 25.00	
Mignonette.....	Polyantha.....	50 3.00 25.00
Pink Souper.....	Hy. Pol.....	50 3.00 25.00
Anny Muller.....	Baby.....	50 3.00 27.50
Jeanne d'Arc.....	50 3.50 30.00	12.00
Mrs. Taft.....	60 3.50 30.00	12.00
Orleans.....	60 3.50 30.00	12.00
Phyllis.....	60 3.50 30.00	12.00
Bessie Brown.....	H. T.....	10.00
Mme. Abel Chatenay.....	50 3.00 27.50	
Mme. Jenny Guillemot.....	50 3.50 30.00	
Rena Robbins.....	H. T.....	85 6.00 50.00
Ball of Snow.....	50 3.50	10.00
Frau K. Druschki.....		15.00
Hugh Dickson.....	75 5.00	10.00
J. B. Clarke.....		10.00
Gen. Jacqueminot.....		10.00
Paul Neyron.....		10.00
New Century.....	Hy. Rug.....	60 4.50 15.00
Sir Thos. Lipton.....	60 4.50	15.00
Cl'g Souper.....	Hy. Pol.....	50 3.00 25.00
Dor. Perkins.....	H'dy Cl.....	50 3.00 25.00
Excelsa.....	75 5.00 45.00	
Graf Zeppelin.....	60 4.00 35.00	12.00
Lady Gay.....	50 3.00 25.00	
Phil'a Cr. Rambler.....	50 3.00 25.00	10.00
Tausendschoen.....	50 3.00 25.00	10.00
White Dorothy.....	50 3.50 30.00	10.00
Wichuraiana.....	Mem'l.....	50 3.50 30.00
Mary Washington.....	Cl.....	50 3.00 25.00
Marchal Niel.....	60 3.50 30.00	15.00

THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO.

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

Mention the American Florist when writing

Francesco Bulleri

Purveyor to the Royal family of Italy.

SEAFATI (near Pompeii) ITALY.

NOVELTY FLOWER SEEDS—BULB AND PLANT
PRODUCTIONS.

PETUNIA, PANSY, CINERARIA, and a great
variety of other seeds. Write for price list and
send orders to V. SHAKETAM, 50 West 30th
Street, NEW YORK, agent and representative
for the United States.

GLADIOLI

Blanche, Ceres, Mrs. Beecher,
Columbia, May, Mrs. W. N. Bird,
Brenchleyensis, Shakespeare.
Lilies, Madeira Vines and other
Bulbs and Hardy Plants.

E. S. MILLER, WADING RIVER, N. Y.

Elmer D. Smith & Co.,

167 W. Maumee St.,

ADRIAN, - - MICH.

See our Advertisement on page 924.

Mention the American Florist when writing

40,000 Grafted and Own Root Rose Plants

Grafted Stock: Richmond, White Killarney, Pink Killarney, Kaiserin, 2½-in
pots. Price, \$10.00 per 100; \$95 per 1000. Ready NOW.
3-inch pots, \$15.00 per 100; \$145.00 per 1000. Ready last of April.

Own-Root Stock: My Maryland, Pink Killarney, White Killarney, Richmond,
Kaiserin, Perles. 2½-in. pots. Price \$5.00 per 100; \$45.50 per
1000. Ready in April. 3-in. pots, Price \$7.00 per 100; \$60.00 per 1000. Ready in May.

CARNATION CUTTINGS: Price, \$3.00 per 100. 2½-in. pots, \$6.00 per
1000.

J. L. DILLON,
BLOOMSBURG, - PA.

SPRING BEDDING AND BASKET PLANTS

Asparagus Sprengeri, 2½-in., \$3.00 per 100, \$25.00 per 1000.
Begonia Prima Donna, (Best Pink) \$2.50 per 100, \$22.00 per 1000.
Begonia Gracilis Luminosa (Scarlet) \$2.50 per 100, \$22.00 per 1000.
Cobaea Scandens, 2½-in., \$4.00 per 100; 3-in., \$7.00 per 100.
Centaura Gymnocarpa (Dusty Miller) \$3.00 per 100.
Dracaena Indivisa, 5-in., \$20.00 per 100; 6-in., \$30.00 per 100.
Geranium, Mad. Salleri, \$2.50 per 100.
Ivy, English, 4-in., strong, \$12.00 per 100.
Lobelia speciosa and Compacta, \$2.50 per 100.
Petunia, Giant Ruffled, \$2.50 per 100.
Salvia, Bonfire, King of Carpets and Zurich, \$2.50 per 100.
Vinca Variegata, 3-in., \$6.00 per 100.

The Storrs & Harrison Co., Painesville, Ohio

VINCAS Variegata



some in bloom, 50c per 100; \$4.00 per 1000.
Express prepaid on all rooted cuttings.

C. HUMFELD,
The Rooted Cutting Specialist, Clay Center, Kan.

100,000 CANNAS

Best Named Varieties. Write for Prices.

F. F. SCHEEL,
Shermerville, - Illinois.

Mention the American Florist when writing

Boston Ferns, 2½ in., \$3.00 per 100;
\$30.00 per 1000.

Roosevelt Ferns, 2½ in., \$5.00 per 100;
\$40.00 per 1000.

Whitman Compacta, 2½ in., \$5.00 per
100; \$40.00 per 1000.

250 at 1000 rates.

HENRY H. BARROWS & SON, WHITMAN,
MASS.

Mention the American Florist when writing

J. E. MEREDITH, PRES. C. W. STOUT, Sec'y

**The Meredith Flower
and Vegetable Co.**

LIBERTYVILLE :: ILLINOIS

CHRYSANTHEMUMS

ROOTED CUTTINGS

Chrysaleria, \$3 00 per 100; \$25.00 per
1000. 500 at 1000 rate. Also the follow-
ing at \$2.00 per 100; \$15.00 per 1000, cash:
Yellow, Donatello, Appleton, Golden
Wedding, Golden Glow, Yellow Bonna-
fon, White Oct. Frost, Touse, White
Eaton, Robinson, Roseire, Polly Rose,
Buckbee, White Bonnaffon, Pink Engue-
hard. All above Rooted Cuttings. Fine
Heathy Stock

JOY FLORAL COMPANY,
NASHVILLE, TENN.

SURE TO PLEASE.

Hardy English Ivy, large leaf, mostly 3 plants to
the pot, 20 inches long, out of pots \$5.00 per 100.
Small Leaf English Ivy, mostly 3 plants to the
pot, out of 3-inch pots, \$5.00 per 100.
Clematis Paniculata, true to name. Out of 2 inch
pots, \$2.00 per 100. Out of 2½-inch pots, \$3.00
per 100. Out of 3-inch pots, strong, \$5.00 per 100.
All goods travel at purchaser's risk.

Cash with Order please.
SAMUEL V. SMITH,
3323 Goodman Street, PHILADELPHIA, PA.

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

KENTIAS.

Joseph Heacock Co.,

Wyncote, Pa.

See Price List of Last Week

W. J. Eldering & Son

WHOLESALE BULB GROWERS

Overveen, Haarlem, Holland

Headquarters for High Grade Hyacinths, Tulips, Narcissi

Quality With Fair Prices

We ship first quality Holland Bulbs to the American Trade. This is the sole basis of the continuous and ever increasing patronage of the most critical, high-class American Buyers, covering many years.

Our Mr. G. C. Eldering is now at the Hotel Saville, Madison Avenue and 29th Street, New York, prepared to book orders for the best stocks at most reasonable figures, to the trade only.

VICK Quality **VICK**

Aster Seed

Aster Book Now Ready

Aster Book and Wholesale Catalogue of Best Quality Seeds for Florists and Commercial Growers

James Vick's Sons
ROCHESTER, N. Y.

Mention the American Florist when writing

Tuberose

DWARF DOUBLE PEARL

\$12.00 per 1000

Excellent Quality.

Lily of the Valley Pips

Cold Storage Berlin and Hamburg.

Per case of 1,000.....\$12.00

Per case of 3,000.....\$32.00

Write for a copy of our Florists' catalog.

J. M. Thorburn & Co

"THE MOST RELIABLE SEEDS."

33 Barclay St. (T12) New York, N. Y.

Mention the American Florist when writing

SPECIAL STOCKS

of the following seeds at
RIGHT PRICES at this time:

DWARF BEANS—Giant Stringless, Horticultural Wax, Hodson Wax.

POLE BEANS—Large White Lima, Ford's Mammoth, Lazy Wife, Creaseback, Horticultural.

SUGAR BEET—Vilmorin's Improved.

CABBAGE—Summer Ballhead, Fottler's Brunswick, Danish Ballhead, Short Stem.

ONION—Red Wethersfield, Southport Yellow Globe.

TOMATO—A good line.

PEAS—American Wonder, Alaska, Alderman.

Gladiolus Bulbs, Tuberose, medium size, only \$4.00 per 1000;
Caladiums, Dahlias, Canna Plants.

Write for our Green List if you have not a copy.

Vaughan's Seed Store, CHICAGO
NEW YORK
GREENHOUSES AND NURSERY, WESTERN SPRINGS, ILL.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

Mention the American Florist when writing

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Melon, Squash and Pumpkin.

Sweet, Flint and Dent Seed Corn

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DAMMANN & CO.,

Seed Merchants to His Majesty the King of Italy
SAN GIOVANNI A TEDUCCIO, near Naples

Headquarters for CAULIFLOWER and WHITE
TRIPOLI ONION SEED, (Crystal Wax), and
all other VEGETABLE and FLOWER SEEDS
THE LARGEST GROWERS IN ITALY.

Established 1877.

Wholesale Catalogue in English, (containing also
all Italian specialties). Special Offers and
Italian Catalogue on application.

Western Seed & Irrigation Co.

Wholesale Seed Growers and Dealers

SPECIALTIES:

Sweet, Flint and Dent Corn; Cucumber,
Musk and Watermelon; Pumpkin and
Squash.

FREMONT : NEBRASKA

Mention the American Florist when writing

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

ISHPEMING, MICH.—Trebilcock Bros. are building new vegetable greenhouses on their Deer Lake property.

Potato Dry Rot.

The Nebraska Experiment Station has issued a bulletin on dry rot of the Irish potato tuber. The bulletin says inoculation experiments have shown that the disease is caused by a parasitic fungus, not previously described, and for which the name *Fusarium tuberivorum* is proposed. According to the experiments there is no connection between this disease and blight or other potato troubles. Formalin dip, formalin vapor or lime-sulphur wash before storage is recommended.

Prices of Indoor Fruits and Vegetables.

Chicago, May 5.—Mushrooms, 10 cents to 50 cents per pound; lettuce, 25 cents, small cases; radishes, 20 cents to 50 cents per dozen bunches; pieplant, 25 cents to 40 cents per box; cucumbers, \$1.00 to \$2.50 per box of two dozen; asparagus, 65 cents to \$1.00 for 24 bunches.

New York, May 3.—Cucumbers, 50 cents to 90 cents per dozen; mushrooms, 30 cents to \$1.50 per 4-pound basket; tomatoes, 15 cents to 25 cents per pound; radishes, \$1.50 to \$2.00 per 100 bunches; rhubarb, 20 cents to 35 cents per dozen bunches; lettuce, 25 cents to 40 cents per dozen.

Tomato Notes.

Most market gardeners make a special effort to have early tomatoes; the successful ones well know the money possibilities. We know of one grower who said last year that if he could make one-half of his place pay at the rate of his tomato patch he could spend the winters in the South at pleasure. But there is the rub. What is possible on one-fourth or one-half acre is often out of the question on five or ten acres. This particular grower took a great risk with a one-half acre of Earliana so early in the season that it looked almost like folly. However, the weather favored him and he scored a success. That same plan may mean absolute failure another season.

There is no question that the plants are the first requirement. It is not so much a matter of size as their make-up. They must be hardy, well rooted and well hardened and the land must be rich and well drained. Poor plants and good land is as bad as good plants and poor land. And often poor planting spoils the best chances. Of all the methods we have seen we like a greenhouse bench the best, because the roots cannot travel away into rich manure as in a hot-bed. This is the drawback to a hot-bed—in about 24 hours of favorable weather the plants double in size and are soft and flabby. On a greenhouse bench we can withhold water and confine the roots;

if in pots so much the better. On the other hand, pot plants can be starved by long waiting which is disastrous. If in danger we often knock out of pots and plunge for a week or two in a bench. MARKETMAN.

Sweet Potato Plants.

In many parts of our country there is a large demand for sweet potato plants that can be turned to profit by any grower who has some hot bed sash. Often at this time of the year sash are to spare, as the hardier plants, such as lettuce and cabbage, have been transferred to the field. To produce sweet potato plants heat is necessary. About the easiest method is to prepare a new hot-bed with fresh manure.

As soon as the heat has started the tubers may be bedded in some box material, such as sand, sawdust or leaf mold, or in the absence of these, light garden earth may be used. We generally place a layer of common earth over the manure just as for a common hot-bed but less in depth—say two and one-half or three inches deep. Upon this the tubers are laid flat, allowing three or four inches space between them. Then the light covering material is put over them about three inches deep. Put on the sash, which should be tight to exclude cold and rain.

A heat of 80° is desirable and 90° will do no harm. Ventilate sparingly but enough to purify the air. Moisture should be moderate only, but dryness will not do. If everything is well done, the sprouts will appear in a short time when the air must be increased. After the plants are well up the sash are removed in good weather to harden the plants. When ready to set or sell the plants should be sturdy and full of roots. To dig them, simply hold the tuber down with one hand and jerk up the plants with the other. Thus several crops can be had.

MARKETMAN.

SEATTLE, WASH.—Easter sales were 20 per cent greater than in 1912, according to the Seattle Floral Co. Prices were the same. Lily plants were short of the demand but there were sufficient cut flowers. Plants of all kinds sold out. In the cut stock hydrangeas were the poorest sellers and lilies the best.

Vegetable Plants.

CABBAGE—Wakefield, Succession, Early and Late Flat Dutch, Surehead, All Head, Danish Ball Head, etc., at 20c per 100, 500 for 75c., \$1.00 per 1000; 10,000 and over, 85c per 1000.

LETTUCE—Grand Rapids, Big Boston, Boston Market, and Tennis Ball, 20c per 100, 500 for 75c., \$1.00 per 1000.

BEEF—Eclipse, Crosby, and Egyptian, 25c per 100, 500 for \$1.00, \$1.25 per 1000.

CELERY—Golden Self Blanching, 40c per 100; \$2.50 per 1000.

TOMATO PLANTS—Will be ready about May 25. Send for Catalogue. Cash with Order.

R. VINCENT, JR., & SONS CO., WHITE MARSH, MD
Mention the American Florist when writing

Gladiolus.

America, pink.....	100	1000
Brenchleyensis.....	\$3 00	\$25 00
	1 40	12 00

PYRAMID BOX TREES.

3 foot, well shaped.....	Each, \$2 50
3½ foot, well shaped.....	Each, 3 50

A. Henderson & Co.,
352 N. Michigan Ave., CHICAGO

Mention the American Florist when writing



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark, American Spawn Co., St. Paul, Minn.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

CLEAN, HEALTHY, STRONG ROSE STOCK

From 2½-inch pots.

Per 100

Per 1000

Prince de Bulgarie.....	\$6.00	\$50.00
Richmond.....	5.00	40.00
Pink Killarney.....	4.00	35 00
White Killarney.....	4.00	35.00
Radiance (Limited supply).....	5 00	
Madison (Limited supply).....	5.00	

J. A. BUDLONG, 82 East Randolph Street, CHICAGO, ILL.

Get them at Dreer's

ALL SEASONABLE

PLANTS, SEEDS, BULBS AND SUNDRIES.

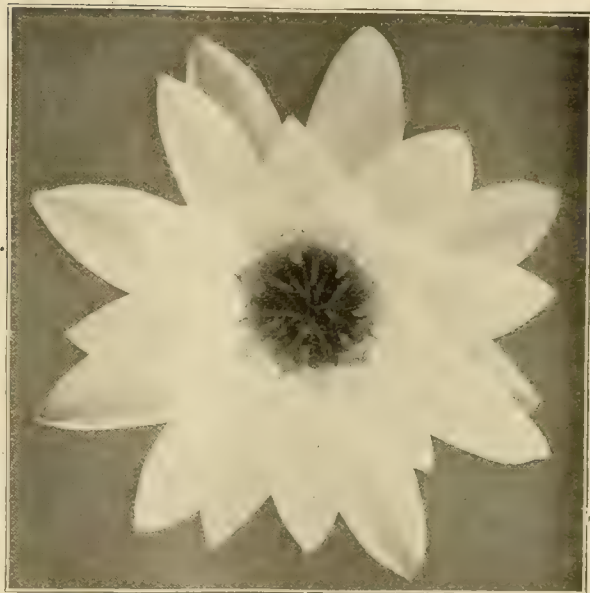
HARDY PERENNIALS. The most complete collection of varieties and the largest stock in the country. Our Perennial plants have a National reputation. We spare no expense to have them in the best possible shape for the planter. Such varieties that move better when pot grown are prepared in this shape. This does not mean little seedlings, but in the majority of cases the plants were field grown, were dug and potted during the fall and winter months and are of just the right size to give immediate results. They are not to be compared with so-called field clumps. Try them and be convinced.

**See Our Current Wholesale List
for Varieties and Prices.**



New Giant Flowering Marshmallow.

AQUATIC PLANTS, WATER LILIES, NELUMBiums, VICTORIAS. Tender and Hardy Aquatics have been a special feature with us for nearly a quarter of a century. Over eight acres of artificial ponds are devoted to their culture, if we can assist you in making plans or selecting varieties. The services of our expert are at your disposal for the asking.



Nymphaea.

ROSES FOR OUTDOOR PLANTING TO GIVE IMMEDIATE RESULTS. We have three hundred thousand 5 and 6-inch pots the usual Dreer stock and the style of plants your retail customers are looking for. These are all two-year field grown plants which have been potted during the winter months and which were stored in cold houses and frames and which are now in prime condition for out-door planting. The collection is the most up-to-date, including many new varieties not offered by anyone in the trade.

• Hybrid Teas, Hybrid Perpetuals, Tea and Everblooming, Ramblers, Baby Ramblers, Moss Roses, Hybrid Sweet Briars, Austrian Briars, Wichuriana, etc., etc.

See Our Current Wholesale List for Varieties and Prices.

OUR CURRENT WHOLESALE LIST also describes the following, all of which are handled as specialties:

Decorative Palms, Palms, Ferns, Pandanus, Bay Trees, Boxwoods, Dracaenas, etc., etc.

Hardy Shrubs, Hardy Vines, Hardy Climbers, Rhododendrons, Azaleas, etc.

Bulbs: Dahlias, Tuberous Rooted Begonias, Gladiolus, Gloxinias, Fancy Leaved Caladiums, Cannas, etc., etc.



New Hybrid Perpetual Rose, George Arends.

Henry A. Dreer, Inc.,

714 Chestnut Street,
PHILADELPHIA, PA.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.
Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

DETAILS of tariff amendments adopted and other important legislative matters will be found on pages 884 and 885 of this issue.

LONG BEACH, CALIF.—Arthur Falkenhayn and E. E. Morton, local florists, will open a nursery at Seventh and American streets.

MODESTO, CALIF.—The Modesto Spineless Cactus Co. has incorporated with a capital stock of \$25,000. The directors are L. L. Dennett, E. H. Zion and M. F. Hopkins.

SANTA ROSA, CALIF.—John Zuur, well-known nurseryman and horticulturist, and Miss Lucile Decabazut were married recently. Mr. Zuur received his horticultural education in Boskoop, Holland.

ESCONDIDO, CALIF.—W. E. Alexander, president of the Escondido Valley Land and Planting Co., is starting a deciduous nursery two miles east of town. One hundred thousand apple and peach grafts will be planted immediately.

Caucasian Forests.

Notwithstanding the variety and excellent quality of their timber, the Caucasian forests are hardly worked, the absence of railway communication rendering transport costly if not prohibitive. Another difficulty is the lack of good workmen. Timber exporting is therefore confined to firms rich enough to maintain regular communication with the forests and to erect sawmills where needed. Such a firm operates not far from the bathing and winter resort of Gagry, on the Black Sea. This coast is the most convenient for the export of timber and lumber. Caucasian beech is noted for its good quality, being suitable for the manufacture of casks, furniture, etc. Excellent oak grows in some parts of the Caucasus, while other trees, such as elm, birch, pine, maple, ash, and lime, abound.

WANTED

700 Pennisetum Ruppellii
2½ to 3 inch.

2500 Cannas—King Humbert
3 or 4 inch.

State size, quality and lowest prices.
"Carts" care American Florist.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

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Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Spring Bulbs and Roots, Conifers, Pines.

English Ivy

4 ft. bushy, 4 inch pots.....\$15.00 per 100
4 and 5 ft. bushy, 4½ inch pots..... 20.00 per 100

Good value for window effect.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad. :: ::

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Nurserymen and Florists.

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Select Stock for Spring

The best lot of stock in this line we have ever seen. Every live florist and landscape man can make good use of the following subjects, and we are sure there is no better quality in the country:

Azalea Mollis, 15 to 18-in., bushy and full of buds.....\$ 3.50 per 10, \$ 30.00 per 100
Ghent (Pontica). Named sorts, full of buds, 18 to 24-in..... 4.50 per 10, 40.00 per 100
Tree Roses, all hardy varieties, budded on straight stout stems..... 3.50 per 10, 30.00 per 100

NEW BABY RAMBLER ROSES, 2-yr., field grown—

Erna Teschendorff, the best red yet introduced, more petals than the original Baby Rambler, a deeper, brighter red and does not fade. \$4.00 per dozen, \$30.00 per 100.
Orleans, light Geranium red, opening to a bright rose color. Very free bloomer and compact, shapely plant for pots, \$2.50 per dozen, \$18.00 per 100.

CLIMBING ROSES, 2-yr., field grown—

Farquhar.....\$25.00 per 100
Tausendschon..... 15.00 per 100
Violet Blue..... 10.00 per 100

Yellow Rambler.....\$10.00 per 100
Flower of Fairfield..... 20.00 per 100
Trier..... 12.00 per 100
White Dorothy..... 12.00 per 100

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Mention the American Florist when writing

Alternanthera

Per 100
Red and yellow, 2¼-in. pots... 2 00
PANSY, plants in bloom..... 1 25
VINCA VAR., 4-in. pots, May 1 10 00
PRIMROSES, ready in July..... 2 00
ASP. PLUMOSUS, 2¼-in. pots,
June 10..... 2 00
ASP. SPRENGERI, May 10..... 2 00

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Per 100
10 varieties, my selection, 2¼-in. pots.....\$ 2 00
CANNAS, 8 varieties, 3x4-in. pots..... 4 00
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PANDANUS VEITCHII, \$1.00 ea.
SALVIAS, May 1st..... 2 50

High Class New England Quality

Herbaceous Perennials, Evergreens and Deciduous Trees, Shrubs, Roses and Vines at Wholesale and Retail. Catalogues upon request.

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ADOLF MULLER

DeKalb Nurseries NORRISTOWN, PA.

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Some of Aschmann's Choice Plants

A wonderful clock at a hotel in Interlaken, Switzerland. The biggest wonder of nature the world has ever seen.

See that clock? It is made of flowers. It has hands and shows the time!

See that little house in the rear, also made of flowers? There is hidden a mechanism that strikes the quarter, half and the hour. What do you think this clock is made of? It is made of plants of brilliancy—mostly of dwarf begonias, the Vernon type, short variety, pink and red. The head gardener, the creator of this clock, of this famous, world-wide known hotel at Interlaken, Switzerland, has been offered a fortune by American and other millionaires of the world, to make them a clock similar to this, but he declined the offers, saying that he was hired by the hotel company for the next ten years. I was fortunate enough,



during my visit there, to obtain from the head gardener, the creator of this clock, a supply of seed and stock plants of those beautiful varieties of begonias to raise a sufficient crop of about 50,000 young plants in 2½, 3 and 4-inch pots for you to use in a similar clock, carpet bed or other outside work. A bed of these begonias, pink, the Erfordii, or the bright red improved Vernon, is a joy forever. Constant bloomers, stay always short and bushy, the hot rays of the sun have no bad effect on them. They can be grown in a sunny or shady place. We can sell you large 4-inch pot plants, either of the improved Erfordii, the beautiful pink, or the dark bright red improved Vernon, at 10c, \$1.00 per 100; 3-inch, \$1.00 per 100; 2½-inch, \$5.00 per 100; 5½-in. plants, 25c each; big plants, 25 at 100 rate.

Heliotrope, 4 inch, 7c.
Ageratum, 4 inch, 7c.
Dracaena Indivisa, bush plants, 5½ in., 20c-25c.
Honeysuckle Salliana, Chinese evergreen, variegated, 4 inch, 10c.
Fuchsias, assorted, 4 inch, 7c.
Lemon Verbena, 4 inch, 8c.
Zinnia Elegans, 2½ inch, 3c.
Vinca Variegata or Periwinkle, 4 in, 15c.
Snadragon or Antirrhinum, Giant White, Giant Pink, Giant Yellow, Giant Scarlet, separate colors, 2½ inch, \$3.00 per 100.
Tropeolum or Nasturtiums, 4 inch 7c; dwarf, Empress of India and others, 1½ in., \$3.00 per 100.
Alternanthera, \$2.00 per 100.
Cannas, large King Humbert, 4 inch, 12c.
Araucaria Excelsa. New importation, 5½, 5½, 6 in. pots: 3, 4, 5 and 6 tiers; 12, 14, 16 to 20 in. high, 35c, 40c, 50c 60c to 75c. **Robusta Compacta** or **Excelsa Glauca**, big stock, \$1.25 to \$1.50.
Coleus, fancy leaved, \$5.00 per 100.
Ficus Elastica, (Rubbers), 5½, 6, 7 in. pots, all heights, 25c, 30c, 40c, 50c, 60c each.
Alexandra Daisies, 5½ in. pots, bushy, 20c to 25c each.

Primula Obconica, 4 in. strong, in bloom, 10c; 5½ in., 15c to 20c.
Dracaena Terminalis, suitable for window boxes 5½ in. pots, well colored, 25c, 30c, 40c and 50c.
Crimson Rambler Roses, 6 in. pots, suitable for outdoor planting, 3 to 4 feet high, 50c.
Geraniums, 4 in. pots, **S. A. Nutt**, scarlet; **Buchner**, white; **E. G. Hill**, salmon; **Beaute Poitevine**, salmon; **Gloriosum**, pink and assorted colors; **Scarlet Sage**, Bonfire and Zurich, \$7.00 per 100.
Asparagus Plumosus and **Sprengeri**, large 4 in. 10c; 3 in., 7c; 2½ in., 4c.
Hydrangea Otaksa, for planting out, 6-7 in., 25c; 35c, 50c, 60c.
Vinca, variegated, 4½ in. pots, 15c.

Small Plants.

Phlox, Drummondii grandiflora, assorted colors, 2½ in. pots, \$3.00 per 100.
Phlox, Drummondii compacta, assorted colors, 2½ in. pots, \$3.00 per 100.
Verbenas, assorted, 2½ in., \$3.00 per 100.
Petunias, California Giants, 3 in., best plants, \$5.00 per 100.
Petunias, Inimitable, dwarf or compacta, \$3.00 per 100.

Tagetes, dwarf marigold, \$3.00 per 100.
Coleus, Golden Bedder, Victoria, Verschaeffeltii, and assorted, 2½ in., \$3.00 per 100.
Thunbergia or black eyed Susan, 2½ in., \$3.00 per 100.
Centaurea Gymnocarpa, Dusty Miller, 2½ in., \$3.00 per 100.
Lobelia, Crystal Palace compacta, dark blue, \$3.00 per 100.
PALMS, **Kentia Forsteriana**, 4 in., 25c to 35c; 5½, 5½, 6 in. pots, 25, 30, 35, 40 to 50 in. high, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50.
Kentia Belmoreana, large, 4½ in., 25c to 35c; 5 to 5½ in., 60c. Made-up of 3 plants, 6 in. pots, 75c to \$1.00.
Clematis Paniculata, large, 5½ to 6 in., per dozen, \$2.00.
Ipomea Noctiflora. Our so well-known pure white, waxy Moonvine, bearing flowers very fragrant and as big as a saucer 2½ in. pots, \$5.00 per 100; 4 in., \$12.00 per 100.
Neph. Scotti, 4 in., 15c to 20c; 5, 5½, 6, 7 in., 25c, 35c, 40c, 50c, 60c, 75c. **Whitmani**, small, 4 in., 20c; 5, 5½ in., 25c to 35c. **Giatrassi**, 4 in., 25c; 5½ to 5½ in., 30c to 40c.

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Philadelphia, Pa.

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They are free from brown tips. A trial order will convince you of their quality.
 6 in. 40 in. high, 40 or more leaves, \$30.00 per 100
 5 in. 25.00 per 100
 4 in. 15.00 per 100
Asparagus Hatcheri, 2½ in., 5.00 per 100
 " Seeding, 12.00 per 1000
 " Seeds, 6.00 per 1000
 Send for list of Mums and Pompons.
 They are sure to please.

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Scabiosa Japonica, strong, \$4.00 per 100
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Delphinium Belladonna, ever-blooming hardy Larkspur, 2-inch pots, 2.50 per 100
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Shasta Daisies, Alaska seedling, 2-in. 2.00 per 100
Eupatorium, Ageratoides, Clumps, 5.00 per 100
 " **Cælestinum**, 3-inch, 5.00 per 100
Cassia Floribunda, 3-inch, 7.50 per 100
Rudbeckia Purpurea, 3-inch, 4.00 per 100
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Clematis Paniculata, 2 years, 5.00 per 100

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Good Strong Plants from Soil.
 60 cents per 100; \$5.00 per 1000.
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Geraniums, 2-inch, 1.85 per 100.
Cobea Scandens, 2-inch, 3.00 per 100.
Marguerite, Mrs. F. Sanders, 2 in. 2.00 per 100.
Double Alysum, 2-inch, 2.00 per 100.

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SEASONABLE PLANTS

Plants from 2½ inch pots \$3.00 per 100.

Asparagus Sprengeri; **Allyssum**, Little Gem; **Parlor Ivy**; **Phlox**, Drummondii dwarf; **Ageratum**; **Euonymus**, Radicans var.; **Euonymus**, golden variegated; **Salvia**, Bonfire; **Hydrangea Otaksa**; **Bridal Myrtle**; **Swainsona Alba**; **Artillery Plant**; **Verbenas**, scarlet, pink and white; **Antirrhinum**, vittatina var.

Plants from 3 inch pots, \$4.00 per 100.

Ampelopsis Veitchii; **Clematis Paniculata**; **Dracaena Indivisa**; **Wallflower**; **Ivy**, hardy English; **Fuchsia**, early flowering; **Lantanas**; **Passion Vine**.

Dracaena Indivisa, 4 inch pots, 10c each; 5 inch pots, 15c each; 6 inch pots, 25c each.

Kentia Belmoreana, 3 in. pots, 3-4 leaves, \$1.50 per doz.

Myrtle Plants, the real bridal Myrtle, 4 in. pots, \$1.50 per dozen; 3 in. pots, \$1.00 per dozen.

Passion Vine, 4 inch pots, 10c each.

Ampelopsis Veitchii, 10c each.

Clematis Paniculata, 4 inch pots, 10c each; 5 inch pots, 15c each.

Bouvardias, propagated from root cuttings, scarlet, white and pink, 2 inch pots, \$3.00 per 100.

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11th and Westmoreland Streets
PHILADELPHIA, PA.

Memorial Day Number
Next Week. Send Ad. Now.

BEDDING PLANTS.

The Planting Season is Drawing Very Near So You Had Better
Order Your Supply Now and Get the Pick of Our Stock : : :

		Per 100	Per 1000			Per 100	Per 1000
Musa Ensete (Abyssinian Banana), strong				Salvia , Bonfire and Zurich, elegant stock from cuttings,			
4 inch, per dozen	\$2 00			2 1/2-inch	2 50		
Petunias , single fringed all colors from choice seed,				3-inch	5 00		
3-inch	\$ 5 00			4-inch	12 00		
4 inch	8 00			Pansies , strong transplanted seedlings for early blooming,			
Recinus (Castor Bean) strong, 4 inch, per doz.,	\$1 50			choice strain	5 00		
Alternantheras , red and yellow, strong, 2 1/4-inch		Per 100	Per 1000				
Asparagus Sprengeri and Plumosus Nanus , 2 1/4-inch strong		\$2 50	\$20 00				
Ageratum , dwarf blue, 2 1/4-inch		2 50					
3-inch		5 00					
4-inch		8 00					
Begonia , Tuberous rooted, strong 4-inch, all colors, double and single, per doz.	\$2 00						
Begonia Luminosa , for bedding, strong, 2 1/4 inch		2 50	23 00				
Cobaea Scandens , strong 4-inch		per doz., \$1 50					
Celosia , (Cock's Comb), dwarf		5 00					
Coleus in variety, 2 1/4-inch, \$2 50 per 100; 3-inch		5 00					
Dusty Miller , for border, 2 1/4-inch		2 50					
Dracaena Indivisa , strong 5-inch		20 00					
Geraniums for May delivery, varieties as follows: S. A. Nutt, Buchner, La							
Favorite, Jean Vaud, Mrs. E. G. Hill, Ivy geraniums in variety, 4-inch	\$8 and	10 00					
Rose Geranium , 4-inch		10 00					
Mme. Sailer Geranium for border, 2 1/2-inch		3 00					
Grevillea Robusta (silk oak) 2 1/4-inch, strong		2 50					
Heliotrope		3-inch, \$6 00 per 100; 4-inch	10 00				
Ivy , English		2 1/2-inch, \$3 00 per 100; 4-inch	12 00				
Ivy , German or Parlor Ivy strong 2 1/2 inch		3 00					
Lobelia , Speciosa and Crystal Palace Comp.		2 50	20 00				
Marguerite , Mrs. F. Sanders, double white		3-inch, \$8 00; 4-inch	15 00				

Palms

Kentia Forsteriana and **Belmoreana**, all sizes, from 4 to 12-in. tubs in fine condition. Fine decorative stock ranging in price from 35c to \$15.00 per plant.

Table Ferns—10 Varieties

2 1/2-in. pots, \$3.00 per 100; \$25.00 per 1000.
3-in., strong, \$6.00 per 100; \$55.00 per 1000.

HYDRANGEAS

From now until June 1 we offer a choice lot of Hydrangeas in full bloom, at from 50c to \$2.00 each. Also a large supply of decorative plants, palms and table ferns.

Asparagus Hatcheri, strong, 2 1/4-in., \$2.50 per 100; strong, 3-in., \$4.00 per 100.

Primula Obconica Grand, strong, 2 1/2-in., May Delivery, \$3.00 per 100; \$25.00 per 1000.

Ficus Pandurata, strong, 6-in., \$3.50 each.

Ficus Elastica, strong 6-in., 75c to \$1.00 each.

Dracaena Massangeana, well colored, 6-in., \$1.00 to \$1.75 each.

Pandanus Veitchii, highly colored, 5-in., 75c each; 6-in., \$1.25 each; 7-in., \$2.00 each.

Smilax

Per 100 Per 1000
Strong new stock, 2 1/2-inch, \$2.50 \$22.00
3-inch 6.00 50.00

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Plant Department

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GRAFTED ROSES

I have a few 100 each of the following varieties of early grafted roses now in 3 and 4 in pots Extra strong and healthy at \$10.00 per 100. These plants should not be compared with 2 1/2 inch stock that has not been re-potted

KAISERIN, WHITE KILLARNEY and KILLARNEY

Return stock at my expense if not satisfactory

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B. L. ELLIOT, Owner.

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Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets
IN BEST VARIETIES.

Prices low. Send for list.

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Ready Now. 500,000 Ready Now.
Superb Strain

PANSIES

Field grown in bud and bloom. This strain is the result of 20 years of careful breeding, and is absolutely the best for commercial purposes.

Price, \$1.25 per 100; \$10 00 per 1000.

Cash. By express only.

LEONARD COUSINS, Jr., Concord Jct., Mass.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins
Poitevine, 2-in., \$2.00 per 100; 3-in., \$5.00 per 100,
Boston and Whitman Ferns, 3-in., 10c; 4-in., 15c;
5 in., 25c.
Dracaena Ind., 3-in., \$5.00; 4-in., \$4.00; 5-in.
\$25.00 per 100.
Vinca Var., 3-in., \$5.00 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, **Scarlet Sage**, **Lemon Verbenas**,
Cigar Plant, **Coleus**, **Alternanthera**, red and
yellow; **Ageratum**, blue; **Verbena**, **Salvia**, **Zu-**
rich; **Aster**, 2-in., \$2.00 per 100.

Cash with order.

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CHICAGO ILLINOIS.

WE GROW PLANTS

Geraniums and other Bedding plants in quantities and now have a large stock ready in splendid shape, for immediate shipment. Special price for large lots.

	2-in.	3-in.
Geraniums , Standard and Ivy Leaved	per 100	per 100
Varieties	\$2 00	\$3 00
Mt. of Snow and Mrs. Pollock	3 00	
Scented, Nutmeg, Lemon, etc.	2 00	3 00
Pansy Geraniums , Mary Washington,		
Mrs. Laval	2 00	3 00
Lantanas , 10 Varieties	2 00	3 00
Lemon Verbena , Aloysia Citrodora	2 00	3 00
Lobelia , Kathleen Mallard and Crystal		
Palace Gem	2 00	
Moonvines , Noctiflora and Leari	2 00	3 00
Salvia , Bonfire and Zurich	2 00	3 00
Parlor Ivy , Senecio Scandens	2 00	3 00
Swainsona , Alba and Rosea	2 00	3 00
Hardy Phlox , 20 varieties	2 00	3 00
Smilax	2 00	
Fuchsias , Rozain Bouchardat collection, one plant each, one hundred varieties. \$10 00; 2 collection. \$15 00.		
Smilax Seedlings , 75c. per 100, \$6.00 per 1000.		

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CARNATIONS

From 2-in. Pots

Rosette	\$6 00 per 100
White Perfection	3 00 per 100
White Enchantress	3 00 per 100
St. Nicholas	6 00 per 100
Scarlet Glow	3 00 per 100
Benora	6 00 per 100

F. DORNER & SONS CO.
LA FAYETTE, IND.

Five Car Loads of Bay and Box Trees

Just reached us in splendid condition

BAY TREES.

These trees come in tubs.

Nothing can approach these handsome trees for decorating porches piazzas, or hall entrances and they are largely used for stately effects in formal gardens.



STANDARD BAY TREE

Standard or Tree Shaped.			
Stems	Crowns	Each	Pair
37-in.	24-in.	\$ 7 00	\$13 00
45-in.	26-in.	7 50	14 00
45-in.	28-in.	8 00	15 00
45-in.	30-in.	10 00	18 00
48-in.	34-in.	12 00	22 00
48-in.	40-in.	15 00	28 00

Dwarf Standards.			
Stems	Crowns	Each	Pair
30-in.	24-in.	\$ 7 00	\$13 00
18-in.	24-in.	7 00	13 00
12-in.	30-in.	7 50	14 00

Pyramidal Shaped.			
		Each	Pair
5 ft. high, 24-in. diameter at base		\$ 8 00	\$15 00
6 ft. high, 26 in. diameter at base		10 00	18 00

BOX TREES.

Sheared into compact shape, these Box Trees make beautiful specimen plants in any form which can be used for all decorative purposes like the Bays, but at less expense. The bush plants can also be used with telling effect for window boxes.

Prices on Pyramid and Globes include new green tubs. If wanted out of tubs we allow 10 per cent discount.

Pyramidal Shaped.

	Each	Pair		Each	Pair
2½ ft. high.	\$2 00	\$3 75	4 ft. high.	\$4 50	\$ 8 00
3 ft. high.	2 50	4 50	5½ ft. high.	8 00	15 00
3½ ft. high.	3 50	6 00			



PYRAMIDAL BOX TREE

Globe Shaped, Trimmed.

Each	Pair	Each	Pair
15 in. high, 15 in. dia.	\$2 75 \$5 00	18 in. high, 18 in. dia.	\$3 50 \$6 50

Globe Shaped, Untrimmed.

Each	Pair	Each	Pair
15 in. high, 15 in. dia.	\$2 00 \$3 75	22 in. high, 22 in. dia.	\$3 00 \$5 50
18 in. high, 18 in. dia.	2 50 4 50	24 in. high, 24 in. dia.	3 50 6 50

Bush Shaped.

These do not come in tubs.

Each	Doz.	100	Each	Doz.
12 in.	\$0 40	\$4 00	24 in.	\$1 00
18 in.	60	6 50	30 in.	2 50
20 in.	75	8 00	36 in.	3 50
				per pair \$4 50
				per pair 6 50

Vaughan's Seed Store, 31 W. Randolph St., CHICAGO
15 Barclay St., NEW YORK

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

J.D. Thompson Carnation Co.

Carnation Specialists

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CHRYSANTHEMUMS

Large flowering, Pompons, Single and Anemone flowered. Best varieties for bush form pot plants. Strong plants from 2½-in. pots, \$3.00 per 100.

Cash with Order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO, ILL.

Geraniums and Coleus

Summer prices for Geraniums May 5th and after, \$10.00 per 1000 for Nut & Poitevine; \$12.50 per 1000 for Ricard. Coleus delivery of April 28th, red, yellow and assorted, \$6.00 per 1000. 2½-inch pot plants, \$2.00 per 100. Snapdragons from rose pots. Giant flowering separate colors, \$2.50 per 100.

Albert M. Herr, Lancaster, Pa.

ROSE PLANTS, 2½-in. pots

	Per 100	Per 1000		Per 100	Per 1000
Pink Killarneys.....	4.00	35.00	Melody.....	\$1 00	\$35.00
			Richmonds.....	3.00	25.00

TWO YEAR OLD BENCH PLANTS—GOOD STOCK

White Killarney, Pink Killarney, Richmond, Sunrise, \$4.00 per 100; \$35.00 per 1000.

PETER REINBERG,

30 E. Randolph St.,

CHICAGO.

Primula Obconica, strong plants, in bud and bloom, 4 inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengerii, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Robert Craig Co...

High Class **PALMS**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

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Carnation Princess Dagmar, \$12 per 100; \$100 per 1,000. Patten & Co., Tewksbury, Mass.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25; \$5; 50; \$7; 100; \$12; 1,000; \$100. Daillodouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

For immediate shipment, strong guaranteed cuttings that will produce fancy stock. White Perfection, Enchantress, \$20 per 1,000. White Enchantress, \$25 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Carnation Herald, field-grown plants, September delivery, \$15 per 100. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnation cuttings, \$3 per 100; 2½-in., 6 per 100. J. L. Dillon, Bloomsburg, Pa.

Carnations, chrysanthemums. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.**HEADQUARTERS.**

Chrysanthemums, Rooted Cuttings.

	Per 100
WHITE.	
Mrs. Chas. Razer.....	\$2.50
Lynwood Hall	2.00
Snow Queen	2.00
White Ivory	2.00
YELLOW.	
Dolly Dimple	2.50
Col. Appleton	2.00
Halliday	2.00
PINK.	
Rosette	2.00
Maud Dean	2.00
Dr. Enguehard	2.00
Pink Ivory	2.00

POMPONS.

	Per 100
WHITE.	
Diana	\$2.00
Baby Margaret	2.00
Lulu	2.00
YELLOW.	
Baby	2.00
Quinola	2.00
Pretoria	2.00
PINK.	
Ladysmith	2.00

WIETOR BROS.

162 N. Wabash Ave. Chicago.

CHRYSANTHEMUMS.**STRICTLY FIRST-CLASS STOCK.**

PINK GEM, 2-in. pots, \$5 per 100; rooted cuttings \$4 per 100.

CHRYSOLOREA, DECEMBER GEM, 2-in. pots, \$4 per 100; \$30 per 1,000; rooted cuttings, \$3 per 100; \$25 per 1,000.

SMITH'S ADVANCE, WHITE BONNAFFON, DONATELLO, YELLOW IVORY, WHITE HELEN, FRICK, GLORIA, ROMAN GOLD, NAGOYA, PATTY, PACIFIC SUPREME, UNAKA, from 2-in. pots, \$3 per 100; \$25 per 1,000; rooted cuttings, \$2.50 per 100; \$20 per 1,000. MRS. H. ROBINSON, 2-in. pots, \$3 per 100; \$25 per 1,000. Also most of the Exhibitions, also our present year's novelties still in considerable quantity; prices on application or catalogue sent for the asking.

Not less than 25 of a kind at 100 and 250 of a kind at 1,000 rate. Those desiring less than 25 plants of a kind will be quoted on application. For type, color and flowering season refer to our 1913 catalogue.

ELMER D. SMITH & CO., ADRIAN, MICH.

CHRYSANTHEMUMS.**ROOTED CUTTINGS—READY NOW.**

\$1.50 per 100; \$12.50 per 1,000.

Oct. Frost,	Monrovia,
Early Snow,	Halliday,
Geo. S. Kolb,	Appleton,
C. Touset,	Major Bonnaffon,
F. Pullman,	Golden Wedding,
White Cloud,	
Mrs. Buckbee,	J. K. Shaw,
Des Jonis,	Maud Dean,
Queen,	Jeanne Rosette,
Silver Wedding,	
Clay Frick,	Admiral Schley,
Nellie Pocket,	Cullingfordil,
Lynwood Hall,	Champaign,
White Bonnaffon,	W. R. Church,
Yanoma,	L'Africaine,
Early Yellow,	
Director Gerard,	

MEMPHIS FLORAL CO.,

MEMPHIS, TENN.

Chrysanthemums, Major Bonnaffon, 2½-in., pots, fine stock, \$2 per 100. Jeanne Nonin and Nagoya, later, Edward Wallis, Berlin, New Jersey.

Chrysanthemums, rooted cuttings and 2½-in. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, large flowering, pompons, single and anemone flowered; best vars. 2½-in., \$3 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Chrysanthemums, all the money making varieties. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading varieties, \$3 per 100. Henry Smith, Florist, Grand Rapids, Mich.

Chrysanthemums, rooted cuttings. Erie Floral Co., Erie, Pa.

CLEMATIS.

Clematis paniculata, 2-in., \$2 per 100; 2½-in., \$3; 3-in., \$5. Samuel V. Smith, 3323 Goodman St., Philadelphia.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, April 28, red, yellow and assorted, \$6 per 1,000; 2½-in. pots, \$2 per 100. A. M. Herr, Lancaster, Pa.

Coleus. Verschaffeltii and G. Bedder, 60c per 100. The Erie Floral Co., Erie, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEUM, finest strain in existence, including GLORY OF WANDSBECK, finest salmoneseum, orchid flowering, Rococo; strong transplanted seedlings, \$3.00 100; \$25.00 1,000. Cash, please.

Rober & Radke, Maywood, Ill.

Cyclamen, 3-in. pots, very finest strain, \$10 per 100. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS.

Dahlia, 100,000 field-clumps; 100 varieties of cream. Get list. Benj. Connell, Florist, Merchantville, N. J.

DAISIES.**DAISIES.**

Marguerites, Mrs. F. Sanders, France, the two best varieties, 2½-in. pots, fine stock, \$2 per 100; \$15 per 1,000. Our new catalog giving prices on everything in Roses, plants, etc., ready now. Write for it today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World.
Box 18, Springfield, Ohio.

VIGOROUS DAISY PLANTS.**IMMEDIATE SHIPMENT.**

Soleil d'Or, 3-in., \$5.00 per 100
Alexandra, 3-in., \$5.00 per 100
Mrs. Sander, 3-in., \$5.00 per 100
Mrs. Sander, 4-in., \$6.00 per 100

WEILAND & RISCH,

174 N. Wabash Ave., Chicago.

DRAECAENAS.

Dracaena indivisa, 2-in., \$3 per 100; 3-in., \$5; 5-in., \$3 per doz.; \$20 per 100; \$1.50 each, \$6 per doz.; 8-in., 3 ft. high, \$1 to \$1.50 each. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracaenas, Linden and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz.; 7-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Chicago and New York.

Dracaena indivisa, 5-in., \$25 per 100. Cash with order. Frank Felke, 828 Ridge Ave., Wilmette, Ill. Telephone, Wilmette 1236.

Dracaena Ind., fine stock, big plants, 3-in., \$5; 4-in., \$8; 5-in., \$15 per 100. Cash. J. W. Miller, Shremanstown, Pa.

Dracaena massangeana, 6-in., \$1 to \$1.75 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracaena, 6-in., \$30 per 100; 5-in., \$25; 4-in., \$15. West Main Greenhouses, Corfu, N. Y.

Dracaenas, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.**DWARF FERNS FOR FERN DISHES.**

These dwarf ferns are used by the hundreds of thousands to fill dishes for table decorations. Our sales each year exceed 50,000 plants. Our stock is in prime condition, ready to use at once. We offer 9 choice varieties, Pteris cretica albo-lineata, Victoria, Wilsoni, Mayli, Pteris multiceps, Aspidium tsussimense, Sieboldii, Winstedti, Cyrtomium falcatum or holly fern. Price, 50c per doz., \$3 per 100; \$25 per 1,000. Our new catalog giving prices on ferns, roses and all other plants ready now. Write for it today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World.
Box 18, Springfield, Ohio.

Ferns, Boston, 2½-in., \$3 per 100; \$30 per 1,000. Roosevelt, 2½-in., \$5 per 100; \$40 per 1,000. Whitman Compacta, 2½-in., \$5 per 100; \$40 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns for dishes, 2-in. assorted, to clean out, \$2.50 per 100; \$20 per 1,000. Transplanted seedlings, \$1 per 100; \$9 per 1,000. Rober & Radke, Maywood, Ill.

Table ferns, 10 vars., 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$6 per 100; \$55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Hardy ferns. Descriptive list mailed. Ludwig Mosbæk, Askov, Minn.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

FICUS.

Ficus pandurata, 6-in., \$3.50 each. *Ficus elastica*, 6-in., 75c to \$1 each. Poehlmann Bros. Co., Morton Grove, Ill.

GERANIUMS.

Geraniums, strong, stocky plants in bud and bloom; S. A. Nutt, Ricard, Beaute Poitevine, White Buchner, 4-in., 7c and 8c; 3½-in., 6c; good stock guaranteed. Cash with order. Gus Schlegel, Olney, Ill.

50,000 S. A. NUTT.

FOR IMMEDIATE DELIVERY. Extra strong top cuttings, well rooted, \$10 per 1,000. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, 3½-inch Nutt, Grant and Lake-land, \$6.50 per 100; \$60 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Geraniums, S. A. Nutt, in bud and bloom, 4-in., nice, strong stock, \$7 per 100. Cash with order. Franke Felke, 828 Ridge Ave., Wilmette, Ill. Telephone, Wilmette 1236.

Geranium, S. A. Nutt, Perkins, La Favorite, Jean Claud, 2½ inch, \$3 per 100. Mme. Sallerol, \$2 per 100; \$18 per 1,000. Other varieties sold till end of April. Rober & Radke, Maywood, Ill.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Mrs. Loyal (pansy geranium) 2½-in., 35c per doz.; \$6 per 100. Vaughan's Seed Store, Chicago and New York.

Geraniums, May 5 and after, \$10 per 1,000 for Nutt and Poitevine; \$12.50 for Ricard, A. M. Herr, Lancaster, Pa.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut-Flower Exchange, 38-40 Broadway, Detroit, Mich.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Fancy ferns, \$1.50 per 1,000. Robert Groves, Adams, Mass.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

HOLLYHOCKS.**HOLLYHOCKS.**

Hollyhocks, field-grown, will bloom this summer; finest colors. From pots ready to plant, \$1 per dozen; \$6 per 100. Our new catalog giving prices on everything in roses, plants, etc., ready now. Write for it today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World. Box 18, Springfield, Ohio.

DOUBLE HOLLYHOCKS, separate colors, strong field plants, 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

HYDRANGEAS.

Hydrangea Otaksa, in half barrels, \$5 to \$7 each; 14-inch tubs, \$1.50 to \$2. Smaller plants in pots, 35c, 50c, 75c. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangeas in pots and tubs, \$1.50 to \$3.50 each; large specimens, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

Hydrangeas Otaksa, 2½-in., 3c. Rober & Radke, Maywood, Ill.

Hydrangea Otaksa, 3 to 10 shoots, 10c to 25c. Erie Floral Co., Erie, Pa.

Hydrangeas, 50c to \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

IVIES.

Ivy, hardy English, 20 ins. long, out of pots, \$5 per 100. Small leaf English ivy, 3-in., \$5 per 100. Samuel V. Smith, 3323 Goodman St., Philadelphia.

English ivy, 4 ft., 4-in. pots, \$15 per 100; 4½-in., \$20. Bobbink & Atkins, Rutherford, N. J.

English ivy, 3½ and 4-in., \$12 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

English ivy, R. C., 75c per 100; prepaid. Chas. Frost, Kenilworth, N. J.

LAUREL.

Laurus cerasus bush, 35c to \$1 each; standards, \$7.50 to \$10 each; pyramids, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

LILY OF THE VALLEY.**To Import.**

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 plps, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the Valley, cold storage. Order now for June weddings. Bruns' Celebrated Chicago Market Brand, \$18 per 1,000; \$9.50 per 500; \$5 per 250. Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3040 W. Madison St., Chicago.

MARGUERITES.

Marguerites, Sanders, 3-in., 5c; 4½-in., 10c. Large flowering and California, single, 2-in., 2c; 3-in., 4c; 4½-in., 8c. Mostly budded. Rober & Radke, Maywood, Ill.

Marguerites, Mrs. E. Sanders and Queen Alexandra, 2½-in., 60c per doz.; \$4 per 100. Vaughan's Seed Store, Chicago and New York.

MOSS.

Green sheet moss, 1 bale (5 bundles) \$1.25; 5 bales (25 bundles), \$6. Geo. H. Angermueller, 1524 Pine St., St. Louis, Mo.

Sphagnum moss, 10 burlap bales, \$12.50; 10 wired bales (large) \$11. Write for prices on 25 to 100 bales or carload lots. Vaughan's Seed Store, Chicago.

Moss, surplus of 12 barrel bale New Jersey moss, delivered anywhere in Chicago, \$5 per bale, 2 or more bales, \$4.75 per bale. Klehm's Nurseries, Arlington Heights, Ill.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture, American Spaw Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, Storrs & Harrison Co., Painesville, O.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, evergreens, herbaceous perennials and deciduous trees, shrubs, roses and vines. The New England Nurseries Co., Bedford, Mass.

Evergreen hedges and hardy pbox. Adolf Mullet, Norristown, Pa.

ORANGES.**ORANGE OTAHEITE.**

From 2½-in. pots, \$3 per 100; \$27.50 per 1,000. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

Largest Rose Growers in the World. Box 18, Springfield, Ohio.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Osmundine (Osmunda fibre or orchid peat.) The C. W. Brownell Co., Walden, N. Y.

PALMS.

Cycas, from 1 to 10 lbs., up to 50 lbs., 10c per lb.; 50 to 100 lbs., 9c per lb.; 100 lbs. and up, 8c per lb.; 500 lbs. and up, 7½c per lb. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wynote, Pa.

Kentia Forsteriana and Belmoreana, all sizes from 4 to 12-in. tubs, 35c to \$15. Poehlmann Bros. Co., Morton Grove, Ill.

Phoenix Canariensis, fine large plants, \$7.50 to \$15 each. Julius Roehrs Co., Rutherford, N. J.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

PANDANUS.

Pandanus Veitchii, 5-in., 75c each; 6-in., \$1.25; 7-in., \$2. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

PANSIES.

Strong, stocky, fall Pansy Plants; large flowering, 50c per 100; \$4 per 1,000. Cash with order. Gus. Schlegel, Olney, Ill.

Pansies, field grown, \$1.25 per 100; \$10 per 1,000. Leonard Cousins, Jr., Concord Junction, Mass.

Pansy plants, in bloom, \$1.25 per 100. Jos. H. Cunningham, Delaware, O.

PEONIES.**PEONIES.****"PEONIES FOR PLEASURE."**

This book of "Peonies for Pleasure" gives information on peony history, soil and plants to use; how and when to plant; fertilizers and how to apply; and describes the most extensive planting of really valuable peonies ever gathered together under the sun; describes the old and new as well as plebeian and aristocrat of the peony family. If you want information on the plant that stands next to the rose in beauty, that is practically known to the amateur as simply a red, white and pink peony, then send for "Peonies for Pleasure." We also issue a special wholesale price list of peonies for fall sales, 1913. Send for both of the booklets. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World. Box 18, Springfield, Ohio.

PRIMULAS.

Primula obconica grand., 2½-in., \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

PRIVET.

CALIFORNIA PRIVET, well branched, 12 to 18 ins. at \$10 per 1,000; 18 to 24 ins. at \$15 per 1,000. Jackson & Perkins Co., Newark, New York.

RHODODENDRONS.

Rhododendrons, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

ROSES.**ROSES.**

The following varieties of Roses from 4-inch pots, \$1.25 per dozen; \$10 per 100; Antoine Rivoire (Mrs. Taft), Blumenschmidt, Crimson Rambler, Etoile de Lyon, Florence Pemberton, General Jacqueminot, Helen Good, Helen Gould, Hermosa, Hilda, Kaiserin Augusta Victoria, La Detroit, Lady Battersea, Mme. Lombard, Mile. Francisca Kruger, Marie Van Houttel, Mrs. Foley Hobbs, Miss Alice de Rothschild, Prince Camille de Rohan, President Taft, Papa Gontier, Perle von Godesberg, Paul Neyron, Pink Cochet, White Cochet, Rhea Reid, Souv. de la Malmaison.

The following varieties from 2½-in. pots, fine plants, Climbing American Beauty, \$1.50 per doz.; \$10 per 100; \$90 per 1,000. Sunburst, \$2 per doz.; \$15 per 100; \$135 per 1,000.

ROSE AFTER-SATISFACTION.

When you buy G. & R. ROSES you get along with the after-satisfaction—that sense of realizing all the success that should come from planting quality roses, the knowing that no better results are possible to be obtained outside of G. & R. Roses. It is the after-satisfaction that has compelled us to plan to grow for the coming season one million additional Roses. Think of it—the after-satisfaction selling five million roses, and demanding a million increase in one year! Going some! you say. Yes, but are you getting your share of this Rose after-satisfaction? If not, why not? Plant G. & R. quality roses. None better, none so good. Our new catalog giving prices on all roses and other plants now ready. Write for it today.

THE GOOD & REESE CO.,

The Largest Rose Growers of the World. Box 18, Springfield, Ohio.

Roses, grafted, 3-in. pots, \$10 per 100; Kaiserin, White Killarney and Killarney. W. W. Gibbs, Kokomo, Ind.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

CHOICE ROSE PLANTS.

	Per	Per
Fine 2½-in. stock.	100	1,000
American Beauties	\$ 5.50	\$ 50.00
Richmond	4.50	30.00
Pink Killarney	4.50	40.00
White Killarney	4.50	40.00
My Maryland	4.00	35.00
Sunburst	12.00	100.00

WIETOR BROS.

162 North Wabash Ave. Chicago.

STRONG ROSE PLANTS.

My Maryland, 2½-in., \$25 per 1,000.

ONE-YEAR-OLD BENCH PLANTS.

American Beauty and White Killarney, \$35 per 1,000.

Satisfaction guaranteed.

GEO. REINBERG,

162 North Wabash Ave. Chicago.

Roses, grafted, Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$10 per 100; \$100 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95 per 1,000 in 100,000 lots. Killarney Queen, \$15 per 100; \$120 per 1,000. Own root: Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6 per 100; \$55 per 1,000. Richmond, 2½-in., \$5 per 100; \$45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Rose plants, 2½-in. pots: Pink Killarney, \$4 per 100; \$35 per 1,000. Melody, \$4 per 100; \$35 per 1,000. Richmond, \$3 per 100; \$25 per 1,000. 2-year bench plants: Am. Beauties, \$6 per 100; \$55 per 1,000. White Killarney, Pink Killarney, Richmond, Sunrise, \$4 per 100; \$35 per 1,000. Peter Reinberg, 30 East Randolph St., Chicago.

Roses, grafted: Richmond, White Killarney, Pink Killarney, Kaiserin, 2½-in., \$10 per 100; \$95 per 1,000; 3-in., \$15 per 100; \$145 per 1,000. Own roots: My Maryland, Pink Killarney, White Killarney, Richmond, Kaiserin, Perles, 2½-in., \$5 per 100; \$45.50 per 1,000; 3-in., \$7 per 100; \$30 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Roses, 2½-inch pots: Prince de Bulgarie, \$6 per 100; \$50 per 1,000. Richmond, \$5 per 100; \$40 per 1,000. Pink and White Killarney, \$4 per 100; \$35 per 1,000. Radiance and Madison, \$5 per 100. J. A. Budlong, 82 East Randolph St., Chicago.

VIGOROUS ROSE PLANTS.

IMMEDIATE SHIPMENT.

	Per 100	2½-in.	2½-in.
Mrs. Taft (Bulgarie)		\$4.00	\$5.00

WEILAND & RISCH.

154 N. Wabash Ave. Chicago.

Roses, 5 and 6-in. pots, hybrid teas, hybrid perpetuals, teas and everblooming, Rambler, Baby Ramblers, moss roses, hybrid sweet briars, Austrian briars, Wichuriana, etc. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

ROSES, strong young plants, for growing on. Send for list including Excelsa, New Red Dorothy Perkins, \$4 per 100; \$30 per 1,000. THE CONARD & JONES COMPANY, West Grove, Pa.

ROSE PLANTS—2½ INCH.

4,000 Pink Killarney, 2,000 White Killarney. Fine healthy stock. Will sell reasonable. Write for prices. ADAM ZENDER, 6638 Ridge Blvd., Rogers Park, Chicago, Ill.

5,000 American Beauty Bench Plants, \$5 per 100; \$40 per 1,000. WIETOR BROS., 162 North Wabash Ave., Chicago.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Leedle Floral Co., Springfield, O.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Rose plants, Kaiserin and My Maryland, 3-in. pots, \$6 per 100. Henry Smith, Florist, Grand Rapids, Mich.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SALVIAS.

Salvia Splendens and Bonfire, 60c per 100; \$5 per 1,000. Dracaena indivisa, 2-in., \$2 per 100. Geraniums, 2-in., \$1.85 per 100. Cobaea Scandens, 2-in., \$3 per 100. Marguerite Mrs. F. Sander, 2-in., \$2 per 100. Double Alyssum, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

SALVIA BONFIRE, 2½-in., good plants, 2½c. Cash with order. Gus. Schlegel, Olney, Ill.

Salvia Bonfire, transplanted, 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

SEEDS.

Seeds, beans, beets, cabbage, carrots, Kohlrabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

Seeds, cauliflower, white Tripoli onion, (crystal wax) and all other vegetable and flower seeds. Dammann & Co., San Giovanni a Teduccio near Naples, Italy.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. West-ern Seed and Irrigation Co., Fremont, Neb.

Seeds, lettuce, onions, sweet peas, aster, cosmos, nignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, pepper, asparagus, tomato, musk and watermelon. J. E. Hoopes & Co., Box 38, Muscatine, Iowa.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

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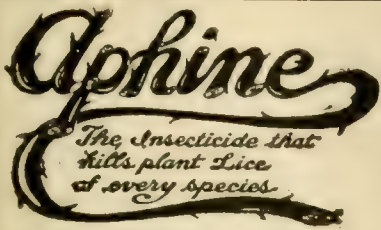
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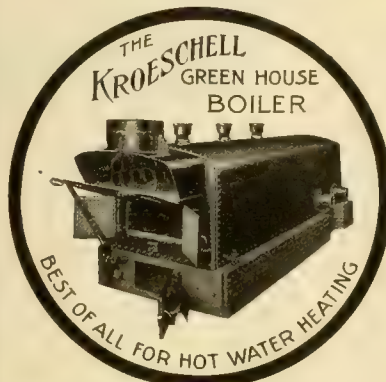
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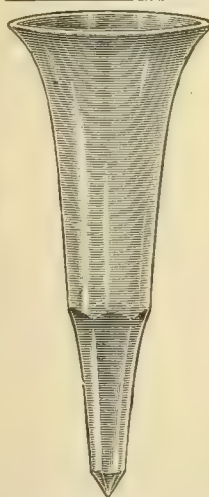
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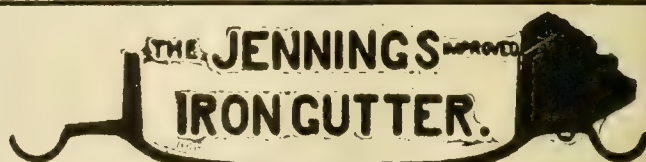
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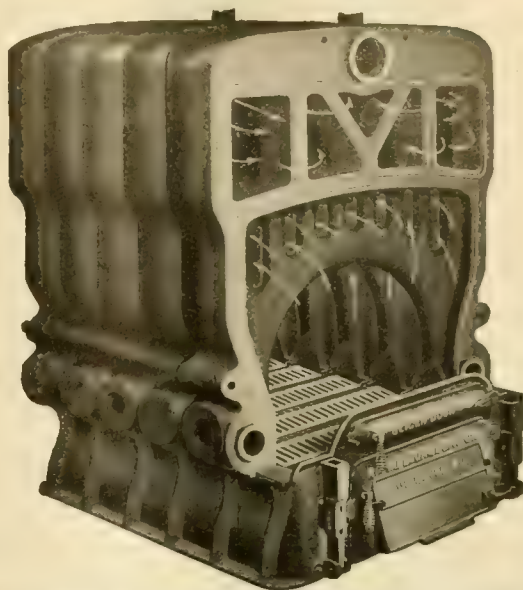
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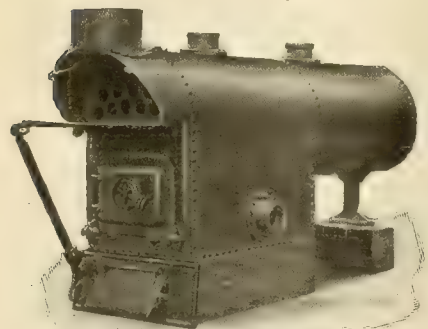
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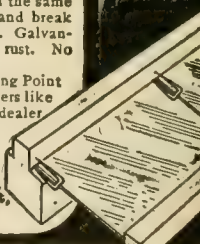
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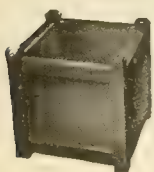
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Vol. XL

CHICAGO AND NEW YORK, MAY 17, 1913.

No. 1302

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address; Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a year; Canada, \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from the trade. Volumes half yearly from August 3, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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GHEENT QUINQUENNIAL EXHIBITION.

April 26-May 4.

Great Belgian Plant Show.

The seventeenth quinquennial international exhibition of the Royal Society of Agriculture and Botany of Ghent, Belgium, has just taken place in new buildings erected at the Parc de la Citadelle, close to the St. Pierre railway station. This station has been converted from a little wayside station into one of great size and importance, having twelve platforms, and being on the direct route from Ostend to Brussels, Cologne, St. Petersburg, Vienna and eastern Europe and Asia generally. It is also very conveniently situated for exhibitors from the British Islands and America, being within almost a stone's throw of the exhibition grounds. Several new and capacious hotels have also been built in the vicinity, and some of them have not been backward in charging as much as 25 francs a night for a bedroom, although excellent accommodation is obtainable for from five to 10 francs a night. These facts are mentioned in case some American gardeners or nurserymen intend to visit the exhibition, the major part of which will remain open till about November next.

The floral exhibition or "Floralies," as it is locally called, was one of the finest yet held by the Ghent society. It covered about seven acres out of a total exhibition area of some 270, and its cost has been put down at one and three quarter millions of francs (about \$350,000). There was a particularly large number of exhibitors this year, and those from England were conspicuous for the fine material shown, chiefly in the way of American carnations. It may be of some interest to American florists to know that the taste in carnations is different on the continent from what it appears to be in England and America. In France and Belgium, ladies are particularly keen on quaint coloring, and prefer blooms that are striped and bizarre to those of uniform tints. One grower assured me that he could not sell the blooms of some of the best American varieties of self-color while those that were variegated, and even with burst calices, sold readily. Stuart Low & Co., of Enfield; Carl

Engelmann, of Saffron Walden; Cutbush & Son, of Highgate; Young & Co., of Cheltenham, and A. F. Dutton, of Iver, Bucks, were the most important carnation exhibitors, and it is not too much to say that they opened the eyes of the Belgian growers to the possibilities of carnation growing in their own country. At present there are only two or three growers of these flowers in all Belgium, the most important being M. Draps-Boudry, of Costdunkerke, and M. M. Bouckennooghe, of the Societe Horticole Yproise, Ypres, both of whom put up very creditable exhibits. A good idea of Mr. Engelmann's carnations and his bold and decorative arrangement, is given in the illustration. He not only obtained a gold medal for the group, but he won five first prizes in competition and one second prize. Amongst his finest varieties were Carola, Lady Northcliffe, Sunstar, Mrs. C. W. Ward, and Lady Neeld, the latter a cherry red bordered with white. Mr. Dutton's group was also awarded a gold medal, and included Winsor, British Triumph, Enchantress, Mikado, Niagara and Mrs. A. F. Dutton, the last named being apple-blossom pink and very attractive. Messrs. Cutbush, in addition to a gold medal for their group, also won the first prize gold medal for the best collection of varieties not yet in commerce. Some of the most noteworthy forms included Mrs. W. Astor, buff yellow fringed with carmine; Mrs. McKinnon, scarlet; Frank Galsworthy, a cerise and mauve hybrid Malhaison. Young & Co., also awarded a gold medal, had Lady Neeld, cerise edged with rose; Duchess of Devonshire, bright crimson; A. S. Montgomery, lilac pink; Baroness de Brien, Cecilia, yellow, and the Hon. John Boscawen, a beautiful delicate pink, in their collection; while Low & Co., in addition to many of the varieties already mentioned, and also Cinnabar, an old rose terra cotta color, and Lady Allington, a deep salmon.

The only American firm exhibiting was Pitcher & Manda, of South Orange, N. J., and St. Albans, England. They exhibited in seven different classes, chiefly with new and rare

plants, and met with a fair amount of success. Their *Polypodium Mandaianum* is now becoming well known, and its more compact form *Superbum* is also making a reputation for itself; the same may be said of *Nephrolepis Millsi*. *Dracæna Mandaiana* is a fine cross between *D. terminalis* and *D. Youngi* and has large rosy purple or ruby red leaves. *Sansevieria Craigi* is a good ornamental plant with erect fleshy leaves banded with green and yellowish cream. *Begonia Christmas Red* seems likely to keep in bloom up to midsummer, or even till next Christmas, as the plants

toned down by the purity of the whites and pinks and salmons. Some of the finest scarlets included *Firebrand*, *Cocarde*, *Joseph Vervaene*, *Apollo*, *Brillante Belgica*, *Winifred Haerens*, *Madame van der Cruyssen*, *Faust*, and *Hexe*. The latter seems to be a particularly free deep crimson variety, and is capable of giving rise to numerous forms. Indeed prizes were offered for 25 varieties of it, and this was won by Oct. Van der Cruyssen with 25 distinctly colored forms varying from vivid scarlet to deep violet purple. Among the finest white azaleas were *Queen of the*

Closely rivalling it, but not quite so substantial in petal perhaps, are *Blushing Bride*, and *Daybreak*. Any one interested in these particular shades could not do better than stock the varieties mentioned. One very fine pink-flowered variety called *Haerewille's "Pink Pearl"* is worthy of note. It has fine clusters of salmon pink flowers speckled with crimson at the very base of the petal. Among the many exhibitors the following were the most conspicuous: Aug. Haerens, Somerghem; Sander & Sons, Bruges; J. B. Haerens & Wille, Somerghem; Alexis Dalliere, Leleburg; J. De Cleene, Loochristy; M^{me}. H. Dombrecht, Mont St. Amand; Oct. Van der Cruyssen, Gentbrugge; G. D'Hooze, Loochristy; Des Reusefreres, Saffelaere; Louis Van Houtte, Leleburg; the Societe anonyme D'Haene, and M. K. J. Kuyk, Mont St. Amand.

Orchids are becoming increasingly popular among the elite of Belgium, and the exhibits this year were far more numerous than on former occasions. Unfortunately, although thousands of plants were shown, they could not be seen in the aggregate as they were split up into several rooms. Some people like this particular method of arrangement, but the general impression was that if the orchids were placed all together in one spot they would have produced an effect quite equal to anything that has been seen at the Temple show in London, or even at last year's International show at Chelsea. The illustrations show some of the most important exhibits. M. Firman Lambeau's magnificent group, which won the large gold medal offered by the king of the Belgians for the most varied and most noteworthy collection of orchids, was especially good. This was awarded with the felicitations of the jury and also by acclamation. It will be noticed that *cattleyas*, *miltonias*, choice *odontoglossums*, *phalenopsis*, and *oncidiums* were conspicuous. Another fine amateur's group was that of Chas. Dietrich, of Auderghem, who won a work of art valued at 200 francs for a group of 100 orchids. As may be seen from the illustration *odontoglossums*, *lælias*, *cattleyas*, *brasso cat-*



GHENT QUINQUENNIAL EXHIBITION.
General View in the Stove Plant Section.

shown with masses of small deep red flowers were in fine fresh condition. A striking plant was a hybrid *calceolaria* obtained by crossing a shrubby and a herbaceous variety. The flowers are bright golden yellow, numerous, and the foliage is intermediate between that of the parents.

As might be expected, azaleas of the *indica* tribe formed one of the most dazzling features of the show. Indeed, the great azalea hall, which covered a space of nearly three acres, was almost entirely taken up with these glorious flowering shrubs, and without them the exhibition would have been poor indeed. The illustration, although naturally on a very small scale, nevertheless gives a very good impression of how the azaleas were arranged and massed, but it gives no idea as to their beauty and magnificence of color, or of their grandeur and cultural skill. The Indian azalea is practically a Belgian blossom, and nowhere else in the world does it seem to flourish as it does in the nurseries of Ghent and Bruges. There was very keen competition among the various growers, and specimens varying from six inches or a foot high to three or four yards across were to be met with, in all kinds of shapes, from the dwarf bushy ones to the taller stemmed and pyramidal ones. In the great majority of cases it was impossible to see the leaves, so completely were they hidden by the profusion of blossom. Single and double varieties were shown in about equal proportions, and while scarlets, crimsons and crimson magenta shades gave a dazzlingly brilliant effect to the scene, they were

Whites, *Perle de Ledeberg*, *Niobe*, *Raphael*, and the old favorite *Deutsche Perle*. Special mention must be made of a few clear fleshy or salmon-pink varieties which seem to be coming to the front of late years. *Lady Roosevelt* was shown five years ago, and is more conspicuous this year. It is very free growing, and is usually smothered in masses of double flowers that compel one's attention on account of their great beauty.



GHENT QUINQUENNIAL EXHIBITION.
Specimens of Globe and Pyramid Azalea Indica.



GHENT QUINQUENNIAL EXHIBITION.
View of Hydrangeas and Lilacs.

tleyas, oncidiums, and phalænopsis were conspicuous. Among the non-competitive groups, that of Duchesne & Lanthoine, of Watermael, was conspicuous for 150 fine specimens of *Odontoglossum crispum* grown to perfection. Other orchid exhibitors were Th. Pauwels, Meirelbeke, who won ten first prizes; Jules Hye, who had a marvellous collection of miltonias; M. Vuylsteke, fine hybrid *odontoglossums*; Charlesworth & Co., Haywards Heath, England, who won the first prize worth 200 francs with the felicitations of the jury for a magnificent lot of choice and varied hybrids and species; M. Vincke-Dujardin, Bruges, had a dozen fine *Vanda tricolor* which took the first prize; M. Verdonck, Gentbrugge, who showed a collection from Peru, Venezuela, Colombia, and the equatorial regions, and who won several prizes for dendrobiums, etc.; Janssens Bros., of Merxhem, had a fine lot of cattleyas and *odontoglossums*; and Comte Jos. de Hemptinne put up a group of *odontoglossums* that attracted universal admiration and won the gold medal with the felicitations of the jury. There were several other exhibitors less well known, and perhaps one of the most remarkable plants was a fine specimen of *Eulophiella Hamelini* (Peetersiana) in the collection of Th. Pauwels.

Hydrangeas have always been well done by Belgian, French and Dutch firms, and some very fine plants were shown. One of the best groups came from Mouillere & Son, Vendome, France, and from the firm of Dedstel, Amsterdam, the group of the latter being illustrated, in the distance being a splendid lot of lilacs from Fl. Stepmann de Messenmaker. There are now hydrangeas with both toothed

and plain bracts, the former becoming perhaps more popular. The best toothed white is undoubtedly Madame E. Mouillere, but it is being run close by Mlle. Rene Gaillard, and La Perle. The best of the blue hydrangeas are General Viscomtesse de Vibraye, un-toothed, and Souvenir de M. E. Chautaud (toothed), while among the rose-colored varieties President Viger, Senateur H. David, are both remarkable. Mlle. Lucienne Chauve is a bright rose pink with toothed bracts, and Duc de Vendome has large trusses of deep rose flowers.

Palms are always a feature at the Ghent shows, and specimens of all sorts, shapes and sizes are exhibited. Some veterans 20 feet or more high are used as a background in the large hall devoted to the stove and greenhouse plants, and here and there they are interspersed with plants of *Cycas circinalis* and *C. revoluta*. The latter are not so much grown now, but there is still a trade done in them with California. Another illustration shows a group of palms and cyads from Jules de Cock of Meirelbeke, which won the prize of a work of art valued at 500 francs by acclamation. The same exhibitor won prizes for *Cyas revoluta* and for zamias, and also for 10 fine specimens of *platyceriums* shown in the illustration immediately in front of the palms and cyads. One of the features among the palms was the splendid group of *Phoenix Roebeleni* shown by the Societe anonyme "Flandria," Bruges, who won the first prize of a gold medal for 15 plants standing at least about five feet high. The illustration shows one of the winning plants with gracefully arching fronds. As a commercial palm *Phoenix Roebeleni* now stands in the front rank.

Stove and greenhouse plants are always a great attraction at Ghent, and there was no falling off this year. *Dracenas*, *crotons*, *pandanus*, *medinillas*, *clivias*, *gardenias*, *clerodendrons*, *calatheas*, *marantas*, etc., were all represented, as were also several fine lots of New Holland plants, the latter much to the astonishment of many who thought these particular plants were no longer worth the trouble or expense of growing. *Boronia heterophylla*, *B. megastisma* and *B. elatoir* were conspicuous in Low & Co.'s English collection, and in continental ones. *Diosmas*, *eristemons*, *melaleucas*, *pittosporums*, *pimelias*, *polygalas*, *cytissus*, *chorizemas*, *correas*, *acacias*, and *epacris* were all well represented, and a certain amount of trade seems to be done in these plants, but more particularly with botanic gardens and private collections where representative collections are maintained. Bromeliads did not seem to be quite so prominent as on former occasions and with the exception of a few good specimens of *tillandsias*, *billbergias* and *aechmeas*, there were not many. Aroids were well done by several firms and 30 classes were entered for competition. *Anthurium Scherzerianum* and its numerous forms were most popular. The illustration shows groups by Arthur de Smet and Louis Van Houtte pere, both of Ledeburg. Another picture shows a miscellaneous group of aroids and ferns, some huge specimens of which lent a tropical luxuriance to the exhibition. Tree ferns as shown in a group by Jules de Cock were finely staged and included many species and varieties of the older types. The Plumose *nephrodiums* so beloved by American florists, although present, were not so conspicuous as

one might have expected. Adiantums, pteris, polypodiums, aspleniums, cyatheas and Dicksonias, were in abundance however, and were evidently appreciated by continental growers.

Among trees and shrubs rhododendrons and forms of *Azalea mollis* and *sinensis* were particularly well done and formed bold groups of vivid color. Lilacs, already referred to, were also fine and full of blossom. Hardy plants were shown, but these are always a weak spot in continental exhibitions—at least they are never shown to any advantage as they are in England. Rockeries are practically unknown, the only attempt made at picturesque gardening indoors being the garden of Madame Osterrieth-Mols of Ant-

Giant Montbretias.

Montbretia Star of the East will long be regarded as an epoch-making one in the history of hardy flowers. When shown before the floral committee of the Royal Horticultural Society, August 13 of last year, this montbretia was awarded a first-class certificate, a very high honor for a variety of any flower, yet it was an honor that was unanimously agreed upon by the members of the committee, and one that was fully deserved. We have only to compare this newcomer, with flowers nearly four and a-half inches in diameter, with the old montbretias that still do duty in many good gardens to clearly see what a wonderful change has been brought

other excellent montbretias, we are indebted to G. Davison, head gardener at Westwick, Norwich. These newer montbretias have been put into commerce by R. Wallace and Co. of Colchester, and among those of special merit, though not so large and brilliant as Star of the East, mention must be made of Prometheus, King Edmund, Lord Nelson, Lady Hamilton, Hereward and Norvic.

Happily, the cultivation of these useful and beautiful flowers does not call for any great amount of skill. Mr. Davison believes in selecting a rather cool position for them, but not one that is shaded by overhead trees. Then the soil should be well and deeply dug, and a good amount of leaf-soil added to it; and if clay naturally predominates, some coarse grit or other lightening material should be well mixed with the whole, a friable rooting medium that contains a good amount of humus or decaying vegetable matter being the ideal to aim at. Planting is best done in March, covering the corms or bulbous-looking roots with about two inches of soil. Bold groups towards the front of a mixed border, or lawn beds filled with them, are very effective during August, September and October, months when too many of our herbaceous plants are past their best. When the tops get blackened by frost, usually at the end of October, the roots should be lifted, the tops shortened to about six inches, and then stored in a cold frame where actual frost can be kept away. During fine days in winter the stored roots should have as free ventilation as possible.—London Garden.



GHENT QUINQUENNIAL EXHIBITION.
Group of Ferns Shown by Jules De Cock.

werp. This was greatly admired, and it is possible that future exhibitions may see a little more in the way of picturesque gardening. A general view of the stove and greenhouse section, which was well arranged so that there was no difficulty in getting about with the huge crowds that visited the exhibition, is shown in the accompanying illustration. If there was anything in which the show was lacking it was in the dearth of new plants. The only novelty of any importance was a splendid new hybrid peony named *La Lorraine* from Lemoine of Nancy, France. This won the first class silver medal (avec felicitations) as a seedling that had never been shown before the society. The flowers are of a beautiful bright yellow shaded with salmon pink, each one being six inches across. The plant is a hybrid between *P. Moutan* and *P. lutea*, the last named of which made such a sensation at the last quinquennial exhibition in 1908. Other novelties of note consisted chiefly of foliage plants, and among these mention might be made of *Trevesia Canderi*, a plant with spreading deeply lobed and cut leaves; *Alocasia colossa* and *A. Micholitzii*, both ornamental; and *Diefenbachia Canderæ*, with broad deep green leaves, creamy white at the base.

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about—a change that has been beneficial in every way, inasmuch as montbretia Star of the East possesses a stronger constitution than the old types. For this beautiful and useful flower, as well as for a number of

BALDWIN, L. I.—Geo. T. Schuneman has moved from this place to Rockville Centre, N. Y.

HELENA, MONT.—The Helena Flower Show Association has fixed August 28-29 as the dates for this year's exhibition.

ALGONA, IA.—The Curtis Floral Co. has opened a store here with Miss Dodd in charge. Each visitor was presented with a carnation on opening day.



GHENT QUINQUENNIAL EXHIBITION.
of Carnations by C. Engelmann.

TRAER, IA.—Curtis Thomas is erecting a new greenhouse 28x50 feet and will build two smaller ones from the framework of the building damaged by the recent storm.



GHENT QUINQUENNIAL EXHIBITION.
General View of the Great Azalea Hall.

MEMORIAL DAY SUGGESTIONS.

The Observance of the Day.

The last floral day of the yearly season for the florist is Memorial day, May 30, and to the retailer this means a much larger amount of labor for the same return than on any other floral holiday, for where much of the trade at Christmas and Easter is in plants and cut flowers, a large proportion of the sales at Memorial day are for flowers arranged in designs and bouquets. To the grower, Memorial day is one of the best of the year for there is not only a demand for all that can be produced and at a good price, but the expense of growing is comparatively small in comparison to that of other large flower days, for the coal bill is almost at the lowest figure and the labor expended in wrapping is almost nothing. Yet both the grower and retailer must be fully prepared to meet this great demand which will necessitate not only a large supply of flowers but also a great quantity of supplies and accessories for which there is always a large sale.

While the selection of one day in the year which was to be observed in memory of the dead by decorating their graves with flowers originated with those who desired to commemorate the deeds of the soldiers who gave their lives in the great civil war fifty years ago, yet it has been adopted by the general public, and in many places the cemeteries are covered with flowers by

the relatives and friends of those who have departed. Memorial day, notwithstanding its general observance, is regarded as the day of the Grand Army of the Republic and last year was more extensively observed than ever before in many sections of the nation, and without question this will be increased this year.

It has often been remarked that the observance of the day is much more general in some sections of the country than in others, especially in New England, where the demand for everything in flowers is almost impossible to fill, notwithstanding the large supply. This may be perhaps somewhat accounted for by the intense feeling throughout that section before and during the war which has been handed down by fable and anecdote and the official observance of the day by state and municipalities which devote the day by proclamation, making it a legal holiday, and appropriation of money to assist the Grand Army of the Republic in holding processions, having orations, and in decoration of the graves. In some cities and towns a large proportion of the populace attend the services which are held at the cemetery and everybody decorates their family burial lot and the graves of their relatives.

Sprays and Bouquets.

While there is always a large demand for cut flowers which are taken by the purchasers to the cemetery and

arranged, yet as a rule the greatest call is for bouquets and sprays which are placed upon the graves. Those that have provided themselves with vases at the cemetery generally prefer the round bouquet while those not having these will purchase the flowers in spray form, that they may lay them on the grave or fasten them to the monuments. Many of these will be of low price and it is necessary that a large quantity of the cheaper flowers be employed, but generally there is some outside stock, such as lilacs and shrubbery, flowers that can be advantageously used for filling up the bunch. The demand will naturally be in both bouquets and sprays for something that is rather showy and not for the more select flowers and smaller work, as it is the desire of the purchaser to make as good an effect as possible at a distance and not for close inspection. The greenhouses in some cities that are located at the entrance or near the cemeteries do an immense business in bouquets and sprays, the number sold reaching into the thousands and the force frequently has to work all night arranging bouquets. While there are many of them low in price, the majority being one and two dollars each, yet where such a quantity is sold and the necessary stock obtained, the trade, although it entails much labor, is very remunerative. Large quantities of roses, carnations and late bulbous stock are used as well as the cheaper greenhouse flowers such as stocks, spirea and candytuft, and the size of the sprays is increased by the liberal use of green and lilac. Spirea Van Houttei, deutzia or any

outside stock that is procurable. Peonies are one of the flowers, par excellence, and when the season is far enough advanced to procure them in large numbers at fair value, large quantities are used, for they make an admirable display. But the florist is not restricted to any of the several flowers for everything that is in bloom can be adapted to their use. The outside stock is sometimes quite unsatisfactory, especially if the weather is warm, on account of its wilting, but this can be overcome to a great degree

are used largely in cemeteries and these are particularly adapted for planting in beds that are shaded by trees, but to make a pansy bed last through the season they must be planted in such a location and not in the full sun, and arrangements must be made to keep the bed watered through the warm weather and attention given the bed as far as picking off the old flowers and seed pods or the plants will go out of bloom, and the beds, instead of being a thing of beauty, will be a blot on the lot. Echeverias

all over the country to plant over graves and when once established makes a very ornamental feature on a cemetery lot and does not require any great attention. Urns and vases are popular with many who can give them the necessary attention throughout the summer, or in cemeteries where perpetual care is the rule and these will be attended to by the help. If these are not given the proper care, however, they are never satisfactory. Vines are a necessary stock for the dealer having vases to fill. Vinca major and English ivy are the two best and the other vines so freely used in window boxes and vases are also in much demand. One necessary feature which the dealer should impress upon the mind of those ordering vases or urns filled is the replenishing of the soil with good live compost. It is useless to suppose that plants set out in exhausted soil in the hot sun and whipped by the wind can survive and be ornamental.

The plantsman will surely have demand for specimen plants to place upon the lot or plunge in ground at the base of monuments or foot of the graves, and there are some beautiful plants at this time that can be used for this purpose. The hydrangeas are particularly suited and they make a grand show. The rambler roses are also fine plants and can be easily bloomed at this time. For cheaper plants the spireas are adapted and are very satisfactory. There is one thing in selling these plants that should never be neglected and that is that the plants be given a good soaking of water before leaving the greenhouse, and if this is attended to properly the plant will be in good condition when the lot owner visits the cemetery on Memorial day, but if this is not done and the plant placed on the ground in a dry condition the chances are that it will be wilted when the purchaser sees it and a dissatisfied customer is the result. When the buyers take the plant themselves impress this necessary detail upon their mind.

Floral Designs.

While the florist will probably have demands for many different floral designs, yet the wreath is by far the one



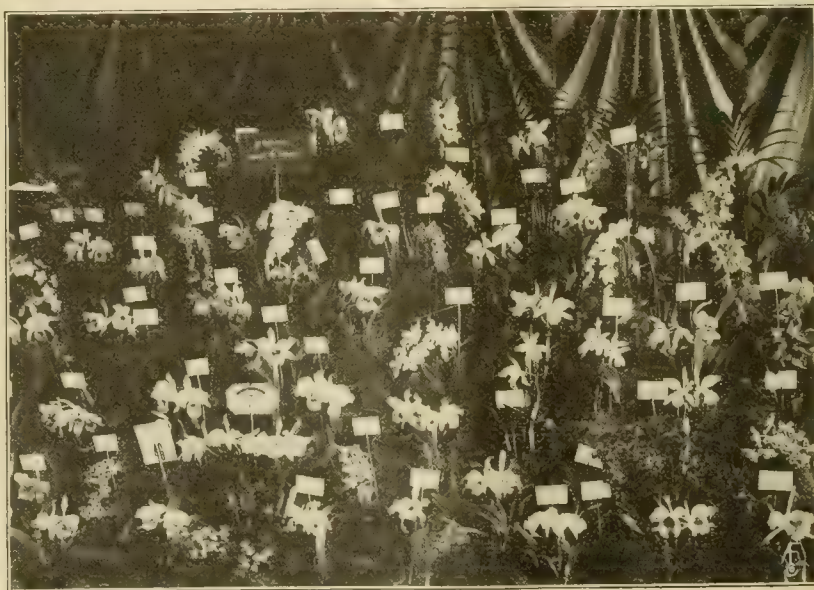
GHENT QUINQUENNIAL EXHIBITION.
Hybrid Peony La Lorraine.

if it is picked the day before and allowed to stand in deep jars of water overnight in a cool place, thereby becoming well filled with moisture. A large supply of greens is necessary, hardy ferns to back the sprays or finish the bouquets, and as well to fill in, and quantities of asparagus, both *A. plumosus* and *A. Sprengeri* are used. Another green that is very useful is the foliage of *Spirea Japonica*, the bright shiny leaves adding materially to the work.

Bedding Plants, Etc.

The floral work for Memorial day is not nearly as large in some localities as is the plant trade. In the northern sections of the country the last of May is too early for the setting out of many bedding plants, but throughout the intermediate and southern sections all the plants ordinarily used for beds can safely be transplanted outside, and the demand for these is exceedingly large. The dealer must be fully prepared to meet the call, but of one thing he must be assured, and that is that the plants must be in bloom. At this time the lot owners will desire that the beds make a fine showing. While it is possible at other times to sell plants enough to fill the bed with a few in flower and the rest showing bud, in the beds set out for Memorial day the customer will desire all the flowers possible, and the promise of a beautiful showing later will be of no avail. Geraniums will probably be in greatest demand and the popular varieties *S. A. Nutt*, *Alphonse Ricard*, *Beaute Poitevine* and *Mme. Buchner* will in many cases be far short of the demand for plants in bloom. Pansies are another flower that

are used extensively in some cemeteries and they are especially adapted to warm and dry locations and require but little attention, and the other bedding plants such as coleus, alternantheras, heliotropes and stock suitable for small beds, will be in great demand. A plant that the dealer having a good cemetery trade must always have in supply is grave myrtle, *Vinca minor*. This plant is used in great quantities



GHENT QUINQUENNIAL EXHIBITION.
Group of Orchids Shown by Chas. Dietrich.



GHENT QUINQUENNIAL EXHIBITION.

Pictu resque Garden and Temple Shown by Mme. Osterrieth.

most desired for Memorial day. Crosses are often ordered and pillows are also the design selected by some for Memorial day, but the wreath is adapted for so many locations that it is always, next to the bouquets and sprays, the most popular floral design. Floral wreaths can be made of all the flowers of the season, depending greatly upon the price obtained, but the dealer must be prepared to arrange them at all prices, many desiring this arrangement for they can be used to fasten upon the monument, lay upon the grave or stand upon an easel. The several green and colored leaves are used in large quantities on this occasion; the galax, both green and bronze, can be made up in beautiful arrangements; the magnolia leaves also are to be had in green and bronze and these make one of the richest wreaths when nicely arranged. Another green that makes up in artistic work is the leucothoe and the cycas fronds are beautifully adapted for backgrounds or intermingling with flowers or other foliage. These prepared and natural leaves have the great advantage of standing the rigors of the weather, whether hot or stormy, and lasting in fine condition a long while. A spray of flowers on one side of these foliage wreaths are a great ornamentation, and can be made so as to please the most fastidious customer.

Immortelle Designs.

Wreaths and other designs made of immortelles and other dried flowers are a prominent feature of the Memorial day trade with many dealers. There is one great use that the florist can make

of these—they can be arranged some time before, for they will last in good condition for a long time, and a great display can be arranged in the window the week before Memorial day, which will remind many a shopper of the approach and observance of the day and induce many a sale that would not otherwise be made. The immortelles can be obtained in several colors and very pretty combinations arranged and these flowers, as well as cape flowers, can be wired by the force during leisure moments and arranged long before any rush, and if well displayed are sure to attract attention. They can be further ornamented with the preserved adiantum and other vines and they will find much favor with some people. If made up in this manner they are inexpensive either as regards material or labor and will prove to be a paying investment and attract a customer who would not buy flowers on account of their being so perishable, or having to be sent a long distance with no one to take proper care of them. The metal floral work is also shown in large quantities and is popular with some people, for we have seen large numbers of the different designs in many cemeteries. Where there is a demand for this class of work the florist should have a stock on hand, for the purchasers are sure to desire it, and he might just as well obtain the sale as to leave it to some other tradesman, yet if it interferes with the sale of flowers it had better be discontinued as far as the florist is concerned, and let him devote his energies to the rightful product of his business.

Cemetery Vases.

The florist located near a cemetery will have many customers come to purchase flowers who have not beforehand provided themselves with any receptacles in which to place them. These people will always be anxious to obtain some vessel which will hold water in which they can place the flowers so that they will not immediately wilt, and if they can obtain such a receptacle so that the flowers will last so much longer it is a great satisfaction to them. We have often seen almost everything from fruit jars to pitchers, pressed into service at such a time, and these people who perhaps have purchased their flowers of some other dealer or cut them from curable. A dealer so situated should have a stock of these vases on hand. They can be obtained in different materials, glass, pottery or iron, and are made very ornamental, will stand hard usage and can be bought so that they can be sold at a very moderate price. Having these on hand and making a good display of them may also materially assist in disposing of much stock for many persons will often buy when the flowers can be properly cared for who would let the matter go by default or refuse to purchase unless they had the necessary fixtures. Demands for some vase or receptacle in which to place the flowers are often made and the dealer having a Memorial day trade should have a good supply in various sizes.

Californians Neglect Ornamental Planting.

Lompoc, Calif.—No effort whatever is made toward effective planting of flowering and foliage plants in this vicinity. A sort of go-as-you-please method in planting is the only "effort" made. Opportunities, however, are abundant to make really effective plantings. A native phacelia—but which one at this writing I am unable to determine; only I can say it is a beautiful blue—is now, April 28, in full bloom. Hereabouts it is by some people called "Baby Blue Eyes." Its coloring, however, is too deep to be so classified.

Delphinium Chinensis is now in bloom also. Many of the hybrids and the beautiful D. Belladonna are commencing to show color. Wallflowers have been in bloom for some weeks, as also have many of the mathiolas, to which the well known ten weeks stocks belong. These and wallflowers might be used very effectively out here as spring bedding plants, and at the risk of being called a heretic I very much prefer the single flowering varieties. There is an airy grace about the single varieties that the double flowering types do not possess.

Among daisy-like flowers we have the single pyrethrums in a variety of shades, also Dimorphotheca aurantiaca and D. hybrida. These latter are from plants known out here as "volunteers," or self sown. The same may be said of Arctotis grandis, all of which apparently delight in conditions as found here, both soil and climatic. Pansies! I never saw better pansies anywhere than are grown here and if some intelligent attention was bestowed upon them much better results might be had. Alyssum saxatile and Arabis albidia are fast going past their best, especially the latter. Iris pallida and I. Florentina are still in bloom to some extent.

If planting for effect were the only object in view one could surely make a most spectacular display, and it requires spectacular floral displays to awaken the multitude. Artistic effects come later. The rainfall so far has fallen very short of that recorded last year and last year was a short year. However, we are making good use of a well we had drilled last autumn, so that if we do not have bountiful crops, we believe we have done our best toward trying to secure them.

Lompoc.

EDWIN LONSDALE.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

A Table Novelty.

Spring flower bouquets are pretty substitutes for dinner or luncheon cards. Each one should differ in some detail either in shape or color. Duplicate bouquets of those provided for the table may be presented by the hostess in the drawing room as a greeting to each guest upon her arrival. Later in the dining room each guest finds the mate to her bouquet, indicating her place at the table. Or, instead of place cards, use a rose or other flower tied to an oblong-shaped card. Buttonhole bouquets can be used on those for the men and worn after dinner. If further embellishment is desired a neat little verse can also be inscribed below the rose.

A. E. K.

Flowers For Mothers' Day.

In regard to this new event in the cut-flower trade possibly a more general discussion by florists will help to make the handling of the demand more profitable to all concerned if a universal wearing of any kind of flower can be induced. At present, the most of the demand is for white carnations. Now, at this time of year, any kind of a carnation is hard to handle in a satisfactory manner. The carnation is strictly a cold weather flower and in May the weather is usually very changeable. Hot days and nights, lots of rain, the air sometimes sultry and laden with moisture, cause a soft growth on the plants and flowers that deteriorate rapidly no matter how tight in the bud they are cut. The tendency of growers to save up their white carnations just as long as possible on the plants in order to take advantage of the extra demand and extra prices are all features which hurt this event, as by the time the consuming public gets such flowers they are not satisfactory. In order to make Mothers' day a satisfactory event in the floral trade, this demand for only carnations and especially white carnations, must be changed. The public expect a flower that will

wear well and be reasonable in price. If the Florists' Clubs and societies could take this matter up in some way so that any variety of flower should be worn, the event can be made much more popular than under present conditions.

C. L. WASHBURN.

Mirror Decorations.

SEE SUPPLEMENT WITH THIS ISSUE

The mirror is one of the vantage points of the decorator. Here his work is made doubly attractive by the reflection in the glass which adds a finish to the work that is not obtained in any other way. The mirror, which generally rests on a mantel is so high as to attract attention from all parts of the room, and when well dressed, in connection with the mantel shelf, is sure to be one of the features of the display. The supplement shows an arrangement of Kaiserin roses and asparagus, held in position by an adjustable vase-holding rod. The vases are filled with water, and when in position it is a matter of a short time to produce a similar effect with almost any kind of medium or short-stemmed flower.

With the addition of a well-arranged mantel shelf banked with ferns or with pots of ferns placed among asparagus, sprays of which fall gracefully along the front, and vases of roses high at one corner and gradually lowering to a falling spray at the other, a very beautiful and artistic effect is produced. Tall palms either side or high at one side and lower on the other with a lower connecting line of the same on the floor adds the finishing touch. In the mirror and mantel decorations at the recent National Flower Show in New York, the mirrors were very small and far out of proportion to the mantel on which they rested. Here the decorators used liberal quantities of palms and ferns as a background. Asparagus and cut ferns, as well as quantities of flowers in vases and sprays, were then used to carry out the color effect. One very pretty effect was produced with roses and cut ferns alone. The variety Lady Hillingdon was arranged in vases and sprays. The effect was simple and very ar-



GHEHT QUINQUENNIAL EXHIBITION.

Anthurium Scherzerianum Shown by Arthur de Smet and Louis Van Houtte Perr.

tistic. Another in which the green was entirely of Parleyense fern and red roses, with a few Lady Hillingdon, was stunning. The above are cited as showing the work of the best artists at this time. K.

Gowns Trimmed with Natural Flowers.

A recent cable from Paris, describing the costumes worn at Longchamps paddock, contains the following: "Perhaps the prettiest innovation to-day was the wearing of a single American Beauty rose with a long stem in place of the usual bouquet. The rose was not fastened to the dress but carried in the hand. Fashion experts explain that the length and grace of the American rose go far to enhance the beauty line and slimmness of the wearer.

"Fresh flowers, indeed, will take first place in the budget of the smart woman this summer. They will be worn on the hats, also as trimming on gowns, in the latter case being made up in long strings, secured by jeweled clasps. They will be worn along the borders of coats, the hems of sleeves, around the waist, and even on the hems of folds in draped skirts. When used as trimmings small May roses will be preferred, although daisies and other field flowers are favored as being apt to last longer than the garden products. It was said today that the campaign to make flowers popular was begun in order to stamp out the craze for aigrettes."

Memorial Day.

The desire to pay tribute to the departed by means of the sweet gifts of nature manifests itself more keenly on Memorial day as each year rolls by. Strewing graves with flowers is a pretty custom that should be encouraged by our florists in our advertisements—making up special boxes for this purpose at a low price. The Germans show considerable taste in decking their tombs and strewing their graves with flowers. Their favorite flower for the purpose is the forgetmenot.

Some plants and flowers have ever been considered more appropriate than others for the purpose of decorating the last resting places of the departed. Pansies have always held their own for the thought they convey. Among the Romans it appears the rose was the favorite flower for strewing the graves and garlands were used for the tombs. Others have taken the lily as symbolical. Just as the trefoil legend of Ireland tells of how St. Patrick explained the doctrine of the Trinity by its triple leaflets to the pagan Irish till they became its converts, just so have we symbolized each flower for its special meaning, and these are the flowers that should be emphasized on Memorial day.

What could be more appropriate for a child's grave than an artistically arranged wreath of forgetmenots and the grave strewn with maguerites? Or, the wreath of marguerites, and the grave strewn with forgetmenots? Sweet alyssum combined with forgetmenots are most attractive. Make a flat double bunch of these, tying it in the center with a white ribbon rosette and streamers. A raffia mat can be prettily arranged with pansies and finished with a ribbon bow which would be most appropriate for an elderly person and can be readily attached to the grave. The pansies

could be wired to the raffia in clusters, using maidenhair fern as a filler. This same arrangement can be effectively made with full blown pink roses. Garlands of roses, snowballs, or any of our beautiful wild flowers will be a happy suggestion for a limited purse.

A word about our wild flowers—it is a matter of congratulation that wild flowers are now regarded with so much interest that our florists display them. But, in placing them in our windows, would it not be a good idea to label them and attach to the card any little legend in connection with them? It has been said of the birds that they are the poor man's music; and that the flowers are the poor man's poetry. The garden beds present the fair snowdrop, and the rich gold of the crocus; the small rose-colored or blue flowers of the hepaticas and brilliant vases of the anemones. But how many of us do really recognize them and call them by their right name? The wild flowers, with the cultivated varieties, make a most happy combination and especially on Memorial day, and nearly all kinds can be secured from the wholesaler.

The loose bunch of mixed flowers is always popular and is easily arranged to a better profit than some of the more set effects. However, we should not overlook the cemetery vases and make a goodly display of them in our windows, showing appropriate suggestions for filling. A good idea would be to drape an American flag at the back of the window and show nothing but cemetery vases filled with flower suggestions for the day. Mounds could be made of various sizes in graduated lines covered with green sheet moss and the vases placed on these. At the sides of the window arrange palms so they will overhang, much as the branches of a tree falling over the graves. The lacette bouquet holders will add to the effectiveness of the bouquets in the cemetery vases. But, in every case use the white lacette. If pansies or a short stemmed flower is desired stem them in groups on tall stiff wire. Wet moss can be placed in the cemetery vases in such cases and the arrangement made more showy.

It would be a good plan to plant some of the cemetery vases with small ferns. Of course, they will not hold many, but a better profit can in this way be made. As the cemetery vase at wholesale costs but about 25 cents and small ferns about as much more for filling, a retail price of one dollar and a half would net a good profit. Of course, there are a great many ways that the ingenious florist can make these cemetery vases attractive and profitable. The spring flowers are usually the least expensive and sell more readily, especially where the trade demands a nominal price, and where a great deal of transient trade is done. Dogwood, iris, violets (the wild ones), daffodils, etc., too many to mention, are all salable. A. E. K.

Peonies.

The following interesting and valuable article on peonies appears in a bulletin issued April 23 by the Department of Agriculture, compiled from the publications of the agricultural experiment stations:

The peony is one of many old-time flowers which have experienced a decided modern improvement and revival of popularity. This is shown by the recent rapid growth of its culture and by the larger number of varieties that are being originated and propagated by the trade. The American Peony Society has for several years been co-operating with the Cornell Experiment Station in the study of the nomencla-

ture and classification of the peony and the station has recently issued its fourth report on this work. This and previous reports give descriptions of 626 varieties, including probably 95 per cent of the important commercial varieties. Those in charge of this work have, however, been strongly "impressed with the large number of only medium varieties which are being continually originated and propagated by the trade."

It is probably a conservative statement to say that the peony interests of the country would be better off if about 75 per cent of the varieties were destroyed and future propagation made from the remaining 25 per cent of superior varieties. It is not that these 75 per cent of the varieties are positively unattractive; far from it. But the remaining 25 per cent fill every purpose and have many more virtues than the only medium to inferior sorts. By discarding the mediocre or poor sorts and selling only the more desirable varieties the customers would be even more infatuated with this beautiful flower, and a more extensive and higher-class trade would be built up, to the benefit of all concerned.

Varieties recommended by the American Peony Society for cut flowers and landscape or border planting are as follows:

FOR CUT FLOWERS.

White.—Festiva Maxima, Couronne d'Or, Duchesse de Nemours, Baroness Schroeder, Albatre, Alba Sulfurea, Madame Crousse, Madame Calot, Madame de Verneville, Boule de Neige, Avalanche, and Duc de Wellington.

Pale Pink.—Achille, Albert Crousse, Dorchester, Floral Treasure, Le Perle, Madame Lemoine, Marguerite Gerard, Marie d'Hour, Miss Salway, Mademoiselle Leonie Calot, Madame Emile Galle, and Venus.

Pink and white.—Gloire de Charles Gombault, La Tulipe, and Jeanne d'Arc.

Deep pink.—Madame Ducl, Lamar-tine, Monsieur Jules Elie, Livingstone, Monsieur Bouchard aine, Souvenir de l'Exposition Universelle, Madame Lebon, General Bertrand, Modeste Guerin, Edulis Superba, Alexandre Dumas, Madame Muysart, and Kelway's Queen.

Red.—Felix Crousse, Louis Van Houtte, and Henry Demay.

Deep red.—Delachei, Prince de Tal-indyke (?), Constant Devred, Nigricans, Madame Becquet, Pierre Dessert, and Rubra Superba.

FOR LANDSCAPE

White.—Octavie Demay, Marie Jacquin, Baroness Schroeder, Albatre, Duchesse de Nemours, Alice de Julvecourt, Madame de Verneville, Festiva, Marie Lemoine, Couronne d'Or, Madame Breon, La Rosiere, Albiflora the Bride, Avalanche, and Festiva Maxima.

Pale pink.—Achille, Eugene Verdier, Eugenie Verdier, Dorchester, Floral Treasure, Marie d'Hour, Triomphe de l'Exposition de Lille, Venus, La Perle, Marie Crousse, and James Kelway.

Pink and white.—Embellata Rosea, Golden Harvest, Madame Coste, Madame de Vetry, Therese, Princess Beatrice, Beaute Francaise, and Philomele.

Deep pink.—Madame Ducl, Livingstone, Monsieur Bouchard aine, Souvenir de l'Exposition Universelle, Madame Lebon, General Bertrand, Modeste Guerin, Edulis Superba, Madame Muysart, Alexandre Dumas, and Modele de Perfection.

Red.—Fulgida, Felix Crousse, Augustin d'Hour, Louis Van Houtte, De Candolle, Henry Demay, and Dr. Cailot.

Deep red.—Delachei, Monsieur Martin Cahuzac, Stanley (Kelway), Raphael, Madame Becquet, and Adolphe Rousseau.

FLORISTS' PALMS.

Busy Season at Hand.

The month of May is a busy period for the palm grower, from the fact that it is at this season that a large portion of the stock gets its spring handling, which usually includes more or less cleaning, repotting and the rearrangement of the stock on the benches. Where dipping, sponging or any method of removing insects from the leaves and stems is required, the operation should take place before the plants are repotted, as any disturbance of the plant immediately after potting is likely to cause more or less of a check, the handling necessary for the changing of the foliage tending to loosen the plant in the soil. The fore-handed grower, therefore, does his cleaning first, then repots, and afterwards the plants are in condition to go ahead as the days lengthen and the sun heat grows stronger.

The best foundation for potting soil for palms is found in rotted sod from an old pasture, if such can be obtained, this being composted with good stable manure in the proportion of one part of manure to four parts of soil. If the soil is naturally heavy, it will be improved by the addition of some sand, or peat, or both, but it must be remembered that the addition of these substances does not add greatly to the soil's fertility, but chiefly helps in making it more open. Humus is essential in potting soil for plants in general, and this is supplied most readily in the decayed sod and stable manure, from which we find that these two constituents are the most valuable in the compost.

This does not mean that other fertilizers have no value, but it does indicate that one needs to experiment with some care in the use of special fertilizers for palm growing. I never received any benefit from dried blood mixed in the potting soil, but did find some improvement in the case of root-bound specimens that we watered with blood solution. A fertilizer containing only a moderate proportion of nitrogen and a rather high proportion of potash seemed to help considerably in some soils, but these special mixtures require much experimentation in order to give positive results. Soil that has been run through a grinder or well broken up with a shovel is, in most cases, fine enough for potting in any size pot larger than 3-inch, and it is only for seedlings, or for shifting from 2-inch to 3-inch pots that sifted soil is required.

Always pot firmly, the thumbs of an experienced potter giving pressure enough on the soil for any size up to 4-inch pots, but beyond that size a rammer is required. No palm should be potted with a dry ball, for under those conditions it is very hard to get it thoroughly watered afterwards, the water finding an easier passage through the fresh soil than through the old ball. To avoid this difficulty it is good practice to soak any doubtful plants in a tub of water previous to potting them, this precaution being very frequently found necessary in the case of imported stock, owing to the fact that much of such stock has been grown in a light compost of which leaf-mould forms a considerable part,

and such a soil requires much water to keep it in condition.

From time to time the question arises as to whether it is safe to cut away some of the roots from palms at the time of repotting in order to keep down the size of the pots within reasonable limits. In reply to this question it may be said that root pruning of palms is a safe operation at this season, provided the plants are given proper care afterward. And proper care under these circumstances means that the plants shall be thoroughly watered after potting, shall be placed in a shaded house and kept comparatively close for a few weeks, for a temperature of 85 degrees in bright weather and 70 degrees at night will do them no harm, provided they get moisture enough, and that the foliage shall be well sprayed twice a day in bright weather until the plants get a fresh start.

Most of the phoenix family are rather troublesome in regard to roots, which are frequently out of proportion to the foliage and often push the plants out of their pots. At the spring potting these may be pruned rather severely, as they will soon recover from the shock and go ahead quite naturally. The main object of the palm grower for the next few months is to take advantage of the weather, and with that in view he repots as early as the condition of the plants will admit, then gives them a moist and growing atmosphere, fresh air without strong draughts, and sufficient shade to bring up the color of the foliage, knowing that with careful attention to these details now he will be able to harden off his plants in time for the fall trade. W. H. TAPLIN.

dries out rather quickly. It is representative of about 2,000,000 acres in New Jersey and of large areas in other States of the South Atlantic seaboard. The soil used in the experiments had in previous years received applications of both manure and fertilizers, but was not very productive. In preparing the soil for the experiments the following materials were applied: Lime 1,000 pounds, acid phosphate 320, ground bone 100, muriate of potash 160, and dried blood 150 pounds per acre. In addition to these, three of the plots received each 16 pounds of nitrate of soda, or at the rate of 80 pounds per acre, applied as a top dressing after the plants were well started. The crops were arranged so as to provide a reasonably uniform supply of forage.

The crops grown included corn, wheat, rye, barnyard millet, wheat and vetch, rye and vetch, oats and vetch, cowpeas, soy beans, red clover, crimson clover, alfalfa, beets, and mangels. Two crops were harvested annually from each plot. More than half of the crops were either legumes or a mixture of legumes and non-legumes. The legumes included five crops of crimson clover, four crops of cowpeas, three crops of soy beans, six crops of vetch grown alone, or together with rye, wheat or oats, and single crops of red clover and of alfalfa. The crimson clover, cowpeas, and vetch all grew splendidly when the seasonal conditions were favorable, and proved themselves well adapted for supplying generous amounts of animal food, and for adding to the store of nitrogen and humus in the soil. The frequent growing of legumes served a twofold purpose. It permitted larger yields of protein, since these crops are particu-



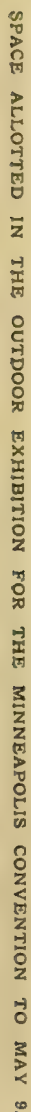
JOHN MANGEL AT POEHLMANN BROS. CO.'S PLANT DEPT., MORTON GROVE, ILL.
Selecting Stock for his Palmer House Store.

Improvement of Sandy Soils.

In 1904 the New Jersey experiment stations undertook experiments at Hammonton on the light sandy soils of southern New Jersey which had as their object the working out of methods of cropping and fertilizing by which the farmers on such soils might secure a sufficient supply of succulent forage for their cattle and gradually improve the productive capacity of the soil. The soil experimented upon was typical light sandy soil which holds water "but indifferently well" and

larly rich in nitrogenous constituents. It permitted, also, the fixation of large amounts of atmospheric nitrogen by means of these crops, and the addition of a part of it to the soil. With a plentiful supply of phosphoric acid, potash, and lime there was thus no difficulty at all in obtaining the nitrogen for the soil and the protein for the animals at comparatively slight expense. Succulent foods for the animals were available for a considerable portion of the growing season. Of course, no attempt was made to establish a complete soiling system, it being

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the purpose of the experiments to demonstrate merely that such a system may be made both practicable and profitable on the sandy soils of South Jersey.

The initial outlay for fertilizers ranged from \$11.92 to \$13.52 per acre. The cost of subsequent applications was small, not exceeding about \$4 in 1905 and 1906. The value of the crops produced, less the cost of fertilizers, was \$20.01 in 1904, \$46.02 in 1905, \$64.07 in 1906, and \$76.90 in 1907. The returns from the land showed a gradual and marked increase. Excluding those of 1904, when only one crop was secured, the value of the crop in 1905 exceeded the cost of fertilizer by \$46.92. The gain in 1906 was \$64.07 and in 1907 \$76.90. No attempt is made here to allow for the cost of seed and labor, for it was the purpose of the experiment to demonstrate merely that the growing of forage crops on light soils may be made both practicable and profitable, while increasing at the same time the productive capacity of the land. The valuation placed on the crops, which we believed justified by local conditions, may be considered excessive in other localities. This would, however, in no wise affect the main points under discussion. Whatever the value of the crops under varying market conditions, it still remains true that the land has improved and that the crop yields have proved profitable. From the standpoint of forage production the problem has been solved in a most gratifying manner, and the method as followed on the experiment plats can be applied, therefore, just as successfully on larger areas of similar land.

The experiments prove convincingly that it is possible and practicable to grow forage crops for the dairy on the light, sandy soils of South Jersey; that two crops may be easily harvested each season; that the purchase of organic matter for maintaining the soil humus is not necessary; that the purchase of nitrogen may be largely dispensed with; that this method secures the accumulation of organic matter in the soil and an improvement in its physical properties; that with proper management it may be made to provide for the accumulation of nitrogen, phosphoric acid, and potash in the soil. It may be especially noted in this connection that the gratifying results secured are due in great part to the large proportion of leguminous crops grown. Indeed, the cowpeas and crimson clover, which grow so splendidly on this type of soil, have shown very marked improvement. From these results it is considered not unreasonable to assume that by systematic cropping and fertilizing millions of acres of sandy soils in New Jersey and other States of the South Atlantic seaboard now uncultivated and unproductive may be profitably utilized "for dairy purposes to supply local needs, and to furnish, besides, a supply of dairy products for the large centers of population more or less distant. They emphasize once again that these lands have before them a prosperous future, and that some day they are destined to be the scene of intelligent farming and of highly profitable returns, where at present they are scarcely tilled at all."

LANSING, MICH.—Mrs. August Klein has opened a flower store here.

SOUTH MANCHESTER, CONN.—John G. Pentland has opened the Park Hill flower shop for business on Main street.

Uses of the Sweet Potato.

The food value of the sweet potato is quite fully appreciated. That it has other possible uses of great importance is not so fully understood. For several years the South Carolina Experiment Station has been investigating the possibilities of the sweet potato as a starch producer. In a recent bulletin of the station T. E. Keitt summarizes the results of this work to date. It has been shown to be entirely practicable to make starch of high quality especially suited to laundry and other uses from sweet potatoes. In order to do so, however, it is necessary to have varieties specially suited to starch production. The South Carolina station has made a careful study of a large number of varieties with reference not only to their use for starch production but for other purposes.

It is only by a study of the different varieties that we can determine to what purpose these varieties are best adapted. There are many uses to which the sweet potato may be applied, but in every case the requirements are different, and a potato that is excellent for one purpose may be entirely unfit for another.

For market or for table use early maturity, shape, size, color, texture, flavor, and keeping qualities are all very important factors. The first potatoes on the market, even if not absolutely first class in quality, command a good price; a medium-sized, uniform, evenly colored, fine-textured, sweet-flavored potato is the favorite in the South. At the North the sweet potato that is yellow in color and bakes to a candy is discarded for a white-colored starchy potato; therefore the market requirements of the place of consignment should be closely studied. The potato that can be kept for a long time and sold when scarce is most profitable of all.

For stock-feeding purposes pounds of dry matter per acre is the most important consideration, because the nitrogen-free extract constitutes most of the dry matter, and nitrogen-free extract is what the southern feeder is most deficient in. Cottonseed meal and leguminous forages furnish an abundance of protein, but on account of the lack of enough carbonaceous feed he is constantly forced to feed a narrow ration, which is consequently a high-priced one and one which will not give the best returns for money invested. The color, texture, uniformness of size, and uniformness of shape are of no importance when they are fed to stock. Content of dry matter and yield per acre are paramount.

When potatoes are grown for starch production, a light-colored or white potato is preferable, because the starch is discolored by the coloring matter of the deeply colored potatoes. Percentage composition of starch and yield per acre are the most important factors to consider in this connection, because it is possible to bleach the starch, but deficiencies in composition and yield will cut the profits. For this purpose we would want light-colored, heavy-yielding varieties, high in starch and low in sugar content.

For fermentation purposes for the production of alcohol, a high yield of fermentable carbohydrates and a high yield per acre is all that is necessary. It matters not how high the sugar content is, for the starch much be converted into sugar before it can be fermented.

The value of the variety tests is twofold; in the first place, we learn which varieties are best suited for the different purposes, and, secondly, we know which varieties should be best to use in selection breeding for any particular purpose.

Summarizing the results of the variety tests it is stated that—

For early maturity for table use, Nancy Hall is the best variety that we have tested. It is also a heavy yielder, considering its earliness. Other good table varieties are: Fulleton Yellow Yam, Pumpkin Yam, and Vine-land Bunch Yam; the latter, however, is a shy bearer. Of these the Fulleton Yam gave us the best yield.

For stock-feeding purposes the heavy yielding varieties are best suited (probably Nancy Hall could be included on account of its earliness), and some of the following varieties: Brazilian, Southern Queen, Providence, Myer Early, Red Jersey, Molly Malone, all of which yielded heavily, could be planted to form a succession which should last from about August 1 to January 1, after which time the potatoes will be too valuable as a human food, if they can be preserved, to be used as a stock food.

In the manufacture of starch, unless the starch is to be chemically bleached, a white potato is necessary. The other requisites are heavy yield and high starch content. The varieties that would seem best suited are Southern Queen, Providence and Brazilian, for they are all either white or very light yellow in color, besides being heavy yielders and running high in starch content. Other varieties that yielded high in starch were Myer Early, Strausburg, Red Jersey, and Molly Malone. * * *

In composition the different varieties vary a great deal, and there are certain other influences that seem to produce marked effects on the content of starch. The time of digging is a very important factor, for after the starch content reaches the maximum there is a change to sucrose. This change may take place either in the field or in the storehouse. * * * The best time to dig the crop is after the first killing frost, for then the yield and the starch content are both at their maximum; while earlier, the yield would be less, and later, the starch is partly changed to cane sugar, which is soluble in water, and consequently would be lost in the wash water in the manufacture of the starch.

It is also pointed out that—

The sweet potato might serve as a valuable source of fermentable carbohydrates for the production of alcohol. For, in addition to its content of starch, which would first have to be converted into sugars and then fermented, it also contains several per cent of sugars. The sugar content varies with time of gathering. * * * The first wash waters and the pulp might be fermented and the alcohol derived in this way recovered, thus furnishing a valuable by-product to the starch industry.

The sweet potato possesses high value as a stock feed in the South as a cheap and productive source of carbohydrates.

While there would be a great deal of trouble in keeping sweet potatoes the whole year round, and their value at certain seasons, if they are successfully kept, is so great as to be prohibitive of using them as a stock feed, yet they could be fed judiciously to great advantage from the first of

September to the first of January. And even when there is a good market the scarred ones and culls could be fed to good advantage. All kinds of stock seem very fond of them, and they possess a great advantage over the other root crops, in that they contain as high as 37 per cent of dry matter, and can be depended upon to contain as high as about 30 per cent of dry matter. Besides, sweet potatoes are better suited to our conditions than are most of the other root crops. * * *

On land in [South Carolina] which, under the ordinary system of cropping, yields 20 bushels of corn, we should be able to produce about 200 bushels of sweet potatoes. The potatoes would furnish more than three times as much nitrogen-free extract and as much, or more, of each of the other proximate constituents of a feeding stuff as that contained in the corn.

A South Carolina farmer who has used sweet potatoes for years as a feed for horses, mules and cattle, says:

"I find them to be a fine feed; of course, it is better not to feed exclusively on them." He continues by saying that he feeds one meal per day of corn and two meals of sweet potatoes, and that during the past fall and winter he fed them every meal for at least three months. He found that his mules, which were being worked to two-horse plows, did good work and kept in good condition. He uses a vegetable cutter to chop the potatoes and finds that 5 or 6 quarts sprinkled with 1 pint of rice meal makes a good feed which is readily eaten by the stock. It is [his] opinion that this rice meal will cause the stock to learn to eat it more readily in the beginning, and that they relish the mixture more than potatoes alone. * * *

In addition to the value of the tubers as a feed, the vines also are highly nutritious and much relished by stock. * * *

The great trouble would be, however, the expense of gathering these vines, which are not only trailing vines, but they take root in many places. On account of the high percentage of fertilizing constituents present and the great need for humus in our soils, perhaps, taking into consideration the cost and difficulties of gathering, it would be best to leave them on the land. If, however, they can be gathered cheaply and are fed on the farm and the manure saved and returned to the land, the feeding would unquestionably be best.

Analysis shows that although they contain about 4 per cent less protein they contain about 1 per cent more fat and 8 per cent less fiber and 11 per cent more carbohydrates than hays of legumes like clover, cowpeas and soy beans.

The food value of the sweet potato is generally recognized, especially in the South. The South Carolina station has found "that by drying and grinding the dried product into a meal the meal can be preserved indefinitely, and that it does not lose any of its flavor when made into pies and custards."

FALL RIVER, MASS.—A greenhouse owned by W. A. Farland was burned March 27. There was no insurance.

SPRINGFIELD, MASS.—The first annual flower show of the Springfield Amateur Horticultural Society was held April 29-30.

Apples in the Arnold Arboretum.

One of the handsomest of all crab-apples, *Malus floribunda*, is one of the earliest to flower. As it grows in this country it is a broad shrub, with a trunk dividing at the base into several large branches, states the bulletin issued by the Arnold Arboretum. The pink flowers, which are deep rose color in the bud, turn white before the petals fall and are produced in the greatest profusion. The dark green foliage is abundant but the yellow or orange-colored fruits, which are not much larger than peas, make little show. The origin of this plant is uncertain; it was first sent to Europe from Japan but it is not a native of that country where it was probably introduced from China, although it does not appear to be known in China now in a wild state. By some authors it is considered a hybrid between two of the species of northern China, although it bears but little resemblance to its supposed parents. A plant which is evidently a hybrid of *M. floribunda* appeared spontaneously in the Arboretum several years ago and has been named *Malus Arnoldiana*. It has much larger pink flowers and larger fruit than *M. floribunda*, and in flower is one of the most beautiful of all crab-apples.

The crabapple of eastern Siberia, *Malus baccata*, is a tall narrow tree with white flowers on long, drooping stems and very small yellow fruits from which the calyx falls before the fruit ripens. There is a fine old specimen of this tree in front of the gardener's house in the Harvard Botanic Garden at Cambridge. In the Arboretum a number of forms of this species have been raised. They are distinguished from the Siberian tree by larger pure white flowers and larger fruits than those of *M. baccata*. Some of these forms are among the most beautiful of the early flowering crab-apples.

Malus spectabilis from northern China is a tall shrub or small tree with erect, slightly spreading stems, large pink flowers which in the cultivated plants are more or less double, and medium-sized yellow fruits. This is an old inhabitant of gardens where several forms have appeared. The handsomest of these is known as the Rivers Crab (*M. spectabilis Riversii*) from the English nurseryman by whom it was raised or distributed. The Parkman Crab (*M. Halliana*) owes its name to the fact that it was first cultivated outside of Japan by Francis Parkman, the historian, who received it from there in 1860. It is a small and not very vigorous tree with dark bark and bright, clear pink, semidouble flowers drooping on long, slender stalks. This is a Chinese plant now only known in gardens and long cultivated in those of Japan. It should be in a list of the four or five most beautiful crab-apples. Another handsome plant in this group is *Malus Scheideckeri* which is supposed to be a hybrid between *M. floribunda* and *M. prunifolia*. It is vigorous and fast-growing, with erect stems which form a narrow head, pink and white flowers and light yellow fruits.

Interesting species now well established at the Arboretum are *Malus zumi* from Japan, with pink and white flowers, *M. torino* from northern China and Japan, and *M. Sargentii* from Japan. The two last flower late, have small flowers in crowded clusters and are distinguished by the three-

lobed leaves on the shoots of the year. Unlike all other crab-apples, *M. Sargentii* is a low shrub growing naturally on the borders of salt marshes.

The so-called Siberian crab-apples of pomologists are trees of much ornamental value and are well worth cultivating for the beauty of their flowers and fruits; they are fast-growing trees with straight stems and pyramidal heads, large white flowers, and brilliant, often translucent, red or yellow, long-hanging fruits. The fruit is used in preserves and jellies, and for their fruits these trees are much grown in regions too cold for the successful cultivation of the common apple. One of the most curious apple-trees in the collection, *M. Niedzwetzkyana*, has deep purplish red flowers and fruit, even the flesh being purple, purple leaves at least early in the season and dark bark. It comes from central Asia and is probably a form of *M. pumila*, one of the parents of the common apple-tree, as seedlings raised in the Arboretum have sometimes purple but more often green leaves.

The crab-apples of eastern North America bloom later than the Old World species. They all have large, pink, fragrant flowers, and fragrant, green or yellowish fruit characterized by the sticky exudation with which it is covered. The last of the crab-apples to flower is the double-flowered form of *M. ioensis*, known as the Bechtel Crab. This tree has double pale pink flowers which look like small clustered roses, and attract so much attention that the ground around the trees is trodden hard every day by visitors who wish to examine them at close range.

OBITUARY.

Alexander L. Don.

Alexander L. Don, of the seed firm of Weeber & Don, 114 Chambers street, New York, died May 8 at his home in Ridgewood, N. J., of a complication of diseases. He was born in Scotland 58 years ago and came to New York when 21 years old. For a time he was an agent or employe of various foreign and local seed firms, later becoming a partner in the firm of Weeber & Don, which has existed for about 25 years. Mr. Don was a highly respected member of the trade. He is survived by a widow, two sons and three daughters. The funeral took place May 10 at Christ Church, Ridgewood. A. F. F.

William Ewing.

Wm. Ewing, head of Wm. Ewing & Co., seedsmen and florists, of Montreal, Que., died suddenly as he was about to enter his house recently at 100 Sherbrooke street west. He was 69 years of age, and was born in Scotland. He had been a resident of Montreal for fifty years. He first started as a wholesale druggist, but soon entered the seed and cut flower business and became one of the best known men in the trade in Canada. He was very popular in his home city and among the trade generally, and news of his death comes as a great shock to his many friends.

Thos. H. Paterson.

We are sorry to report the death of another Baltimore, Md., florist, Thomas H. Paterson, for four years master of Lexington Market. His death came very suddenly, a result of apoplexy. He and his father were florists together, his place of business at one time being Eutaw street, above Lexington. Mr. Paterson is survived by a widow and two sisters, both florists: Mrs. Graham, of Waverly, and Mrs. Wm. Johnston of Baltimore. He was a member of the Gardeners' Club.

THE AMERICAN FLORIST

ESTABLISHED 1886.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application. From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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SECRETARY YOUNG of the Society of American Florists is mailing the new buttons to members who have paid their dues.

THE trade of Minneapolis and some few other cities combined in Mothers' day advertising, using the daily press with good results.

THOSE who wish to participate in the outdoor exhibition at the Minneapolis convention should ship the stock in good season for planting.

THE Mothers' day business was a great surprise to many florists, growers, dealers and retailers alike, the demand for cut flowers, carnations especially, being away beyond the supply of good stock.

WASHINGTON, D. C.—Dr. Erwin F. Smith, plant pathologist in the Agricultural Department, has declined an offer of \$10,000 a year with the Rockefeller Institute of Medical Research to continue in his present position at a salary of \$4,000.

American Institute Shows.

The eighty-second annual exhibition of the American Institute of the City of New York will be held in the Engineering building, 25-33 West Thirty-ninth street, New York. Premiums will be awarded for dahlias, orchids, gladioli, roses, carnations, ornamental plants, etc., and fruits and vegetables, September 23-25, 1913, and for chrysanthemums, orchids, roses, carnations and other ornamental plants, etc., November 5-7, 1913.

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements should be carefully preserved as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue, as otherwise they may miss some of this high-grade work.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Public notice is hereby given that Albert A. Sawyer of Forest Park, Ill., offers for registration the following aster:

RAISER'S DESCRIPTION.

Name, Sawyer Asternum. Description: During the summer of 1904 I caught a "sport" among my asters having a beautiful shade of lavender and from it, by careful selection, I have produced the Sawyer Asternum in the three colors, lavender, pink and white. The blossoms are on the order of the Hohenzollern but the petals are much longer and thicker, making a good shipper. In contrast, however, to the Hohenzollern the blooms of the Asternum are produced in a plant of upright growth, sending straight up strong long stems, and the plant is not a branching variety. For this reason I claim it is original with me, owing to its remarkable resemblance to many varieties of chrysanthemums.

(Signed) ALBERT A. SAWYER.

April 25, 1913.

JOHN YOUNG, Sec'y.

Carnation Year Book.

We are in receipt of the fourth Year Book of the Perpetual Carnation Society of England, containing the list of members, the rules of the society, reports of meetings, awards, etc. Two exhibitions were held during the year, the winter show at the Royal Botanic Gardens, Regents Park, December 4-5, 1911, and the spring show at the Royal Horticultural Hall, March 21-22, 1912. The report of the finances shows the society to be out of debt and in a flourishing condition. The American varieties, Gloriosa and Benora, were both granted an award of merit and the first named was awarded 15 points. American varieties registered in 1912 were; Gloria, true pink, H. W. Field, Northampton, Mass.; Vivid, cerise, Cottage Gardens Co., Queens, N. Y.; Radiance, scarlet, Baur & Steinkamp, Indianapolis, Ind.; Princess Dagmar, crimson, Patten & Co., Tewksbury, Mass. Show dates

for 1913 are April 10-11, spring show, Leamington; December 2-3, winter show, R. H. S. Hall, London. The book contains a number of valuable articles by T. A. Weston, R. F. Felton and others. The secretary of the society is T. A. Weston, Floradale, Orpington.

American Rose Society.

MEETING OF EXECUTIVE COMMITTEE.

The elegance and brilliancy of the National Flower Show has left a mark behind it, and awakened a popular feeling of appreciation. Said one man from Westchester County: "I never saw anything like this. But if you dropped the roses out it would look like a pond with a hole in the bottom." An expression which, if not elegant, was certainly suggestive. The roses displayed were without doubt the most perfect specimens of greenhouse culture, and the plant section in pots and tubs was unrivaled. The number of entries and the quantity en masse has never been equaled in the history of the American Rose Society, and this display came from members of this society. The total value of prizes exceeded \$2,700.

The executive committee will meet in New York Friday, May 16, at Vice-President Traendley's office. The Rose Society might become a powerful organization for pushing rose culture if it could offer to each local civic or horticultural society the Rose Society medals. The plant growers of the United States should all join the A. R. S. Three societies have asked if permission to do this could be granted.

President Farenwald has appointed as judges for the Hartford Rose Garden Wallace R. Pierson, Eber Holmes and John Huss. The committee consisting of Robt. Pyle, Patrick O'Mara and Wm. F. Gude was appointed at the annual meeting to confer with the United States commissioner of agriculture relative to the establishment of a rose test garden in Washington, D. C. This committee is in accord with the S. A. F. committee.

Another movement in this same direction comes from the New York state Agricultural College at Ithaca. Here is an opportunity for New York state people to make a test out in the central part of the state where the winters are usually steady and in an inland climate. The Rose Journal, which last year was upheld by five gentlemen, should be sustained. If we can get 50 persons who, as rosarians, will take space for 50 inches it will be a great help. Our committee on membership will take hold and do whatever it can to aid the cause.

BENJAMIN HAMMOND, Sec'y.

Humidity Regulator.

The importance of a humidity regulator has long been recognized and especially in the growing of plants, where accurate control of temperature is essential. Such an invention is described by Wm. Mansfield Clark, chemist of the dairy division of the Department of Agriculture, in a bulletin issued recently by the department. "The regulator," says Mr. Clark, "operates on the principle of the wet and dry bulb hygrometer. It consists of a dry bulb and a bulb kept moist by a thin covering of wicking or muslin. This is fed with water from the reservoir. The bulbs are connected by a capillary tube partially filled with mercury.

The tube is connected with a levelling bulb or a cup and plunger, by which the height of the mercury in the capillary may be adjusted. Electrical connection is made with the mercury by a sealed in platinum wire. The whole instrument is placed in a current of air whose humidity it is desired to regulate. Evaporation takes place on the moist bulb, producing a cooling of the inclosed gas. The consequent reduction in pressure permits the excess pressure in the first bulb to drive the mercury away from the platinum contact." A steam or water spray results and as the humidity is increased the evaporation from the second bulb diminishes, and consequently the cooling.

What It Does To You.

I have sharpened and repaired one thousand lawn mowers in beautiful Pasadena. I would rather be a lawn mower expert in beautiful Pasadena than be a banker any place else on earth.—Advt. in the Pasadena Star.

Meetings Next Week.

Boston, Mass., May 20.—Gardeners and Florists' Club of Boston, Horticultural Hall.
Detroit, Mich., May 19, 8 p. m.—Detroit Florists' Club, 247 Randolph street.
Grand Rapids, Mich., May 19.—Grand Rapids Florists and Gardeners' Club, office of member, Edward Freyling, secretary, 891 Wealthy avenue.
Hartford, Conn., May 23, 8 p. m.—The Connecticut Horticultural Society, County building.
Montreal, Que., May 19, 7:45 p. m.—Montreal Gardeners and Florists' Club, Royal Guardians building, 224 Sherbrook street, west.
Newport, R. I., May 21.—Newport Horticultural Society, F. P. Reynolds, secretary, Rugles avenue.
Providence, R. I., May 19, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.
Salt Lake City, Utah, May 20.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.
Seattle, Wash., May 20.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.
Toronto, Ont., May 20, 8 p. m.—Toronto Gardeners and Florists' Association, St. George's Hall, Elm street.
St. Louis, Mo., May 19.—Retail Florists' Association, Hotel Washington.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—As a working foreman, single, strictly sober and a good grower of cut flowers and potted plants; good designer and hustler. Key 811, care American Florist.

Situation Wanted—On commercial or private place by young man, aged 22; seven years experience in general greenhouse work. Private preferred. Key 828, care American Florist.

Situation Wanted—As a working foreman; married; strictly sober and a good grower of cut flowers and potted plants; good designer and a hustler. Key 827, care American Florist.

Situation Wanted—As saleslady and designer in a Chicago retail store. State salary and hours when writing. Address Key 834, care American Florist.

Situation Wanted—Man fully experienced in all lines of outdoor and indoor gardening is open to engagement where high grade gardener is needed. Address. Key 835, care American Florist.

Situation Wanted—By Englishman, 14 years experience in all branches, seven in America. Well versed in orchids, roses, fruit culture under glass, and all kinds of cut flowers, lawns, etc. Age, 29. Key 833, care American Florist.

Situation Wanted—Manager and foreman now in charge of about 80,000 feet of glass, wants a change; a good grower or manager of a store; first-class salesman and designer; can take charge soon. Key 817, care American Florist.

Situation Wanted—Head gardener, Englishman, age 40, married, without family. Life experience in all branches, including Orchids, Roses, Carnations, Mums, Early Forcing, fruit and vegetables, etc. Good references. Address, E. RICHMOND, Elma Center, N. Y.

Situation Wanted—Florist and Gardener of 20 years experience on a private place or public institution; first-class grower of Orchids, Cut Flowers, and Vegetables, under glass or outside. Best references. Address. Key 818, care American Florist.

Situation Wanted—By gardener: Scotch; as head in private place; experienced in all branches of gardening, inside and out. Over 20 years in large establishments growing all kinds of greenhouse plants and vegetables. Also care of lawns and landscape work. Age 37; married; no family. ARCH LITTLEJOHN, 39 Temple St., Somerville, Mass.

Situation Wanted—Landscape Architect (German) 29 years of age, first-class technical and practical knowledge of landscape gardening. Expert in layouts of artistic plans and estimates for municipal and private parks. Recently employed as manager for some of the largest landscape contractors of Germany. Excellent references. Key 809, care American Florist.

Situation Wanted—On commercial or private place by an all around man with 20 years of practical experience in this country and Europe; single, 35 years of age. Can furnish the best of recommendations from leading firms. Pot plants, roses, carnations and landscape gardening a specialty. State salary when writing. Address, GEORGE BAKAITIS, 5433 North Secley av., Chicago

Situation Wanted—As head gardener and florist superintendent on private place; English, age 35, married, one child aged 8 years. At present engaged, but desire change; life experience in all branches—hot house plants, cut flowers and fruit under glass, vegetables, lawn perennials, and the general routine of a well kept estate; 4 years and a half in present place; first-class references. Key 813, care American Florist.

Help Wanted—Filling window boxes, vases and bedding out, \$16.00 per week, 35c per hour overtime. R. J. SOUTHERTON, Highland Park, Ill.

Help Wanted—Boys and young men to help in and around greenhouses. Also men who have had some experience in tea roses. POEHLMANN BROS. Co., Morton Grove, Ill.

Help Wanted—Honest young lady with some experience to take care of floral establishment in Chicago. Very good chance for advancement, with good salary. Key 805, care American Florist.

Help Wanted—Young man for general greenhouse work at once. \$12.00 a week to start. NORTH EDGEWATER FLORAL CO., 6101 Evanston Ave., Chicago, Ill.

Help Wanted—Two bright young men—Carnation Growers—who have had charge of growing sections. State wages, etc. Address. Key 832, care American Florist.

Help Wanted—A good Chrysanthemum grower and Plantsman; single preferred. Good wages and steady position if he makes good. METAIRIE RIDGE NURSERY CO., Ltd., New Orleans, La.

Help Wanted—A good all around Greenhouse Man, to work in the Rose Houses mostly. State wages expected in first letter. A good steady job for the right man. EDWARD TATRO, 407 E. Iron Ave., Salina, Kansas.

Help Wanted—Florist for commercial place, with experience in growing choice pot plants for Christmas and Easter trade. Address with copy of references, wages expected, etc. J. A. PETERSON, Westwood, Cincinnati, Ohio.

For Sale—Several ice-boxes at a reasonable figure. Address Key 838, care American Florist.

For Sale—Established Flower Store; good location. PEOPLE'S FLORIST, 1736 W. 47th St., Chicago.

For Sale—10,000 feet of glass in the best town for its size in Illinois. No competition; a money maker. Address, Key 821, care American Florist.

For Sale—1 Morehead Return Steam Trap and Receiver, almost new, \$45.00. JOS. MILLIGAN & SON, Florists, 1044 Clydesdale Ave., Salt Lake City, Utah.

For Sale—Good paying retail store in Chicago. Fine location. Other business to look after reason for selling. For further particulars address Key 837, care American Florist.

For Sale Cheap—Two horizontal return tubular boilers, one 50 h. p., one 40 h. p., suitable for greenhouse or heating plant. Write for full description and price. W. H. BARRETT, Adrian, Mich.

For Sale—Dandy second hand ice-box for \$175. Just the box for an up to date Chicago retail store. Biggest offer ever made, so get busy and answer this Ad now. Key 839, care American Florist.

For Sale—Well located retail store, centrally located, doing good business for over five years. This is a rare opportunity, price very reasonable; going south object of selling. Address. Key 804, care American Florist.

For Sale or Lease—5 greenhouses at Madison, N. J., 1 mile from station. 4½ acres of land, 9-room dwelling, up-to-date, cheap, and low rent to prospective buyer. Address, R. S., 265 Rosedale Ave., Madison, N. J.

For Sale—A good paying florist business in Pennsylvania. 9 greenhouses, 27,000 feet of glass, good wholesale and retail trade, well stocked with bedding plants, roses, carnations, sweet peas, lilies, and ferns. The greenhouses are in good condition, with hot water and steam. Reason for selling am not a florist. Will sell at a bargain. Key 824, care American Florist.

Wanted—To buy florist store or good location for same in live town. Bargain. Address. Key 825, care American Florist.

Wants to Rent Store—Advertiser wants to rent a retail flower store in Chicago where a good business is being carried on. State full particulars. Address. Key 836, care American Florist.

Wanted—To correspond with someone having experience as grower of all kinds of greenhouse and nursery stock that would take share in a good business and be able to manage the growing of the stock for a company in Minnesota. Address. Key 823, care American Florist.

FOR SALE.

Great Bargain. Greenhouse in Salida, Colo. Six thousand feet glass; good dwelling; within four blocks of business centre; well stocked with plants and flowers; fine trade, local and shipping. J. H. FREEMAN, Salida, Colo.

For Sale at a Pick Up Price

An up-to-date wholesale and retail florist plant in the vicinity of Chicago. It contains about 70,000 square feet of glass, 12 to 20 acres of first-class land, large dwelling house in good shape, everything modern. The whole place high and dry, \$10,000 cash, balance to suit. Do not write unless you mean business. Address, Key 830, care American Florist.

A BARGAIN

For sale cheap, a first-class refrigerator, small delivery wagon and several store mirrors. A bargain. Act quick.

J. CANGER

17 East Monroe Street, CHICAGO

WANTED.

Good Rose Grower

APPLY AT ONCE.

Sinner Bros.

6516 RIDGE AVE., CHICAGO

Foreman Wanted.

Commercial Place.

Competent man to take entire charge of our greenhouse plant, some 25,000 feet of glass, general cut flower and plant stock. Address, with full particulars,

S. W. COGGAN,

11 W. Main St., Battle Creek, Mich.

GREENHOUSE

FOR SALE

With 10 acres near Chicago limits. A going plant, well located and on section-line street. City growth pushing rapidly toward this property. Your chance to get into business in the greatest city in the United States. Come now and while your business is increasing let the growth of a great city make you rich. Reason for selling, owner's time entirely occupied with other business and cannot give this his personal attention. Will sell on good terms or might consider trade.

WALTER L. GRAVES, 405 Straus Bldg., Madison and Clark Sts., Chicago, Ill.

BEST GRAFTED ROSE STOCK

Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000; \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill. Killarney Queen, \$15.00 per 100; \$120.00 per 1000.

BEST OWN ROOT STOCK

Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6.00 per 100, \$55.00 per 1,000. Richmond, 2½-in., \$5.00 per 100; \$45.00 per 1,000. The above is All select stock and a big bargain at prices quoted.

BEST CHRYSANTHEMUM CUTTINGS

Finest Two Yellow and Pink Commercial Varieties Now Grown.

YELLOW				PINK			
	R. C. per 100	2½-in. per 1000			R. C. per 100	2½-in. per 1000	
Comoleta,	\$3.00	\$25.00	\$4.00 \$35.00	Patty,	\$3.00	\$25.00	\$4.00 \$35.00
Best Early Yellow, Blooms September 27.				Beautiful Enchantress Pink, fine strong grower, (3½-in., per 100, \$5.00).			
Chrysolora,	\$5.00	\$40.00	\$6.50 \$60.00	Unaka,	\$4.00	\$35.00	\$5.00 \$45.00
Best Yellow Money Maker, blooms October 5 to 10.				Earliest Pink, first week of October.			

WHITE				YELLOW				PINK			
	R. C. per 100	2½-in. per 1000			R. C. per 100	2½-in. per 1000			R. C. per 100	2½-in. per 1000	
OCTOBER FROST.	2 50	20 00	3 00 25 00	Col. Appleton.....	2 50	20 00	3 00 25 00	McNiece.....	2 50	20 00	3 50 30 00
Vir. Poehlmann.....	3 00	25 00	4 00 35 00	Crocus.....	4 00	35 00		Maud Dean.....	2 50	20 00	3 50 30 00
Alice Byron.....	2 50	20 00	3 00 25 00	Dolly Dimpie.....	3 00	25 00		Dr. Enguehard....	2 50	20 00	3 50 30 00
Timothy Eaton.....	2 50	20 00	3 00 25 00	Major Bonnaffon.	2 50	20 00	3 00 25 00	RED			
W. H. Chadwick.....	3 00	25 00	4 00 35 00	Immense stock, still one of the best.				Schrimpton.....	2 50	20 00	3 00 25 00
YELLOW				Yellow Eaton.....	2 50	20 00	3 00 25 00	Bronze			
Golden Glow.....	3 00	25 00	4 00 35 00	Golden Chadwick.	3 00	27 50	4 00 35 00	O. H. Kahn.....	4 00		5 00
Halliday.....	2 50	20 00	3 00 25 00	Best late yellow.				We can supply large quantities of the above.			

POMPONS—Large stock of the leading commercial varieties. 2½-in., per 100, \$4.00
List of Varieties Upon Application.

POEHLMANN BROS. CO., Morton Grove, Ill.

Boston.

MOTHERS' DAY BUSINESS FINE.

The Mothers' day business was far greater than ever before in the history of this modern cut-flower occasion. Carnations sold out completely, the price going as high as 6 cents and they are still scarce, selling even now at 4 to 5 cents. The general market conditions are very good, with no surplus. The dealers are carefully canvassing the situation as to the possibilities for Decoration day material and are looking forward to a very heavy business. Mrs. Chas. Russell roses are selling well, American Beauty going at low prices.

NOTES.

There were some very fine carnations at the Flower Exchange from Albert Roper, Tewksbury; W. R. Nicholson, Framingham, and A. G. Pembroke, North Beverly.

Much interest is being shown in the proposed excursion to Wm. H. Elliott's establishment at Madbury, N. H., May 21.

The Budlong Rose Co., Auburn, R. I., is sending in rose stock of good quality in fine variety.

Welch Bros. have been exceedingly busy and are handling a lot of fine stock. A. F. F.

Sixty Degree Orchids.

ED. AMERICAN FLORIST:

Give the names of a few orchids that will do well in a temperature of 55° to 60° in zero weather with some general cultural directions. E. J. Connecticut.

There are very few orchids that need a minimum of 60° in zero weather. To most, it would be injurious. The same may be said of 55° under the same conditions. Some of the tropical kinds, such as the Phalaenopsis, Vandas, and a few others need heat, but the great majority of really good flowering kinds will do well in what may be easiest to describe as a

Cut Flowers and Plants for Memorial Day

AT WHOLESALE

We have a large stock of Carnations, large and small Gladioli, an immense stock of Spirea Gladstone and Queen Alexandra; also Stocks, Feverfew, Easter Lilies and various kinds of flowering plants. We will sell Spirea both as cut flowers and potted plants. Let us know your needs as to quantities and we will name you a very low price. We also have a splendid stock of

CHRYSANTHEMUM ROOTED CUTTINGS

of the following varieties:

	Per 1000		Per 1000
Alice Byron.....	\$15.00	Major Bonnaffon.....	\$15.00
Doctor Enguehard.....	15.00	Maud Dean.....	20.00
Golden Glow.....	15.00	Virginia Poehlmann.....	20.00
Jeanne Nonin.....	15.00		

Shepard's Garden Carnation Company
292 Fairmount Street, LOWELL, MASS.

carnation house temperature—something less than 55° during coldest nights. Cattleyas, laelias, dendrobies, cyripedes all thrive with a maximum of 55° during winter, and on zero nights it will do no harm if the temperature is a little below 50°.

With orchids, it is not so much a matter of temperature as atmosphere, and a heat that exhausts the moisture in the house, when it cannot be replenished, as during the night, is inexcusable and detrimental. The names of 12 orchids that will do well for some time with a 60° temperature are as follows: Dendrobium Phalaenopsis, Aerides, Vandas, and Phalaenopsis, the evergreen Dendrobies, as D. thyrsiflorum, D. densiflorum and D. chrysotoxum, all of the variegated leaved cyripediums, stanhoepas, Miltonia roezlii, the Brazilian oncidiums, and the forms of Laelia anceps. Had the question been placed five degrees lower, it would have been possible to include all the orchids that are generally grown and appreciated.

E. O. ORPET.

WINSTED, CONN.—Carl Swenson is building a new greenhouse.

CARNATIONS

Strong Plants From Pots

Lady Bountiful and Crimson Beauty, \$3.00 per 100.

Enchantress, \$3.50 per 100.

Gloriosa, \$4.50 per 100; \$40.00 per 1000.

VINCA Variegata, from 2½-in. pots, \$3.00 per 100; 3-in. pots, \$5.00 per 100; 3½-in. pots, \$8.00 per 100; 4-in. pots, \$10.00 per 100.

PANSIES, from 2½-in. pots, \$2.00 per 100.

Cash with order.

S. G. BENJAMIN, Fishkill, N. Y.

BOSTON, MASS.—Mrs. Olivia F. Zinn has been enjoined from using the name "Zinn's Flower Shop" in connection with her place of business. Suit was brought by Julius Zinn, the husband, who charged that the use of the name was detrimental to his business, his establishment being known as "Zinn, the Florist." Mrs. Zinn formerly worked in her husband's store, but differences in regard to its management led to her starting a separate concern.

Libertyville, Ill.



The Home of The Meredith Flower and Vegetable Co.

From photo taken on May 1, outing day, when several hundred people visited our magnificent establishment devoted to the growing of **Roses, Carnations** and all other miscellaneous **Cut Flowers, Bedding Stock** and **Vegetable Plants**. We have a supply of the following and would be pleased to book your order for same:

SURPLUS STOCK: CHEAP.

Begonias, fancy foliage.
Begonias, blooming sorts.
Begonias, tuberous rooted.
Draceanas, strong, 4 and 5-inch.

Stocks, ten weeks, 2½-inch.
Celery, from flats.
Cauliflower, from flats.
Tomato, from flats.

Cabbage, from flats.
Egg Plants, from flats.
Peppers, Sweet Mountain, from flats.
Peppers, Chili, from flats.

Meredith Flower and Vegetable Co. LIBERTYVILLE, ILL.

GRAFTED ROSES

I have a few 100 each of the following varieties of early grafted roses now in 3 and 4 in. pots. Extra strong and healthy at \$10.00 per 100. These plants should not be compared with 2½ inch stock that has not been re-potted.

KAISERIN, WHITE KILLARNEY and KILLARNEY

Return stock at my expense if not satisfactory

W. W. COLES, Kokomo, Ind.

ENCHANTRESS SUPREME DAILLEDOUZE BROS.

Lenox Road and Troy Ave.,
BROOKLYN, N. Y.

FLOWER COLORS

Use our Color Chart in describing them.
PRICE, \$1.00, POSTPAID.

AMERICAN FLORIST CO.
440 South Dearborn Street, CHICAGO

ASTER PLANTS



Eleven rows 200 feet long of Aster Seedlings ready for immediate shipment in following varieties: Carlson's, Vick's Purity and Daybreak, Vick's and Semple's branching, Queen of the Market in all colors, Strong Seedlings, \$3.00 and \$4.00 per 1000. Strong Transplanted, \$1.00 per 100. From pots ready May 25. \$2.00 per 100.

DANVILLE FLORAL COMPANY - - - DANVILLE, ILLINOIS.

Mention the American Florist when writing

SPECIALTIES

Roses, from 3-inch pots. **Chrysanthemums**
Carnations for fall delivery. **Smilax**, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
New York

Mention the American Florist when writing

John Bader Co.

B. L. ELLIOT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Mention the American Florist when writing

PEONIES!

You Can Get Them HERE Memorial Day

In all the seasonable varieties in the desired quantities at \$4.00, \$6.00 and \$8.00 per 100. Our stock this year is extra fine and big values at the prices quoted.

In addition to Peonies, we can supply you with all the other seasonable flowers that you will need, particularly

**Beauties, Roses, Carnations, Valley,
Tulips, Orchids, Easter Lilies,
Callas, Greens and Everything
Else in Our Price List.**

MEMORIAL DAY PRICE LIST

AMERICAN BEAUTIES.		Doz.	Per 100		Per 100
Specials.....		\$4 00		White Killarney, select.....	8 00
36-inch.....		3 00		Fancy.....	6 00
30-inch.....		2 50		Medium.....	4 00
24-inch.....		2 00		Good Short.....	3 00
20-inch.....		1 50		Sunburst, select.....	10 00
15-inch.....		1 25		Fancy.....	8 00
12-inch.....		1 00		Medium.....	6 00
Short stems.....	per 100.	\$4.00 to \$6.00		Short.....	4 00
				Mrs. Aaron Ward, select.....	10 00
				Fancy.....	8 00
				Medium.....	6 00
				Short.....	4 00
				Mrs. Taft, select.....	10 00
				Fancy.....	8 00
				Medium.....	6 00
				Short.....	4 00
				Peonies, extra special.....	\$ 8 00
				Special.....	6 00
				Good.....	4 00
				Carnations, fancy white.....	
				and red.....	\$ 4 00 to 5 00
				Firsts.....	3 00
				Common splits.....	2 00
				Orchids, Cattleyas.....	per doz. 6 00 to 7 50
				Callas.....	12 50 to 15 00
				Spanish Iris.....	4 00 to 6 00
				Valley.....	3 00 to 4 00
				Mignonette, large spikes.....	4 00
				Sweet Peas, common.....	75 to 1 25
				Adiantum Crownseanum.....	60 to 1 00
				Smilax.....	per doz. 2 50 to 3 00
				Sprenger, Plumosus sprays.....	3 00 to 4 00
				Plumosus strings.....	Each. 60
				Ferns.....	per 1000. 3 00
				Galax.....	" " 1 25
				Leucothoe.....	75

A. L. Vaughan & Co.

161 N. Wabash Ave.,

(NOT INC.)

TELEPHONES:

{ Central 2571
2572
Auto. 48-734

CHICAGO

"The Busiest House in Chicago"

Double White NARCISSUS



Gardenia Flowered

Owing to the favorable weather conditions this spring our Double White Narcissus promises to be an excellent crop and in fine condition for Memorial Day. This is one of the most popular spring flowers and the low price enables the retailer to handle it with a larger profit than other stock. We shall be able to supply any quantity, but it is advisable to place your orders early.

Per 100, \$ 2.00

Per 1000, 15.00

Per case of 1500, \$22.50

Peonies

Our stock is very fine and consists of a large quantity of all grades and colors.

Prices per 100 { **\$4.00**
6.00
8.00

Decoration Day Price List:

BEAUTIES	
Long stems.....	Per doz. \$4 00
24 to 30 inches.....	2.50 to 3 00
18 to 20 inches.....	2 00
12 inches.....	1 50
ROSES	
Killarney.....	3 00 to 8 00
White Killarney.....	3 00 to 8 00
Richmond.....	3 00 to 10 00
Ward.....	4 00 to 10 00
Sunburst.....	4 00 to 10 00
Extra Special billed accordingly.	
Our Selection.....	3 00 to 4 00
CARNATIONS	
Good Grade.....	2 00 to 3 50
Fancy.....	4 00 to 5 00

MISCELLANEOUS	
PEONIES, per doz., 50c, 75c and \$1 00	Per 100
Gladiolus, per doz.....	\$2 00
NARCISSUS, Double White, per 1000.....	\$15 00
Sweet Peas.....	\$0 50 to 1 00
Callas, per doz.....	\$2 00
Lilium Harrisii, per doz.....	\$1 50 to \$2 00
Valley.....	2 00 to 4 00
Cape Jasmine, per 100.....	\$15 00
Daisies.....	75 to 1 00
Daisies, Mammoth.....	1 00 to 1 50
Tulips.....	2 00 to 3 00

MISCELLANEOUS	
Iris.....	Per 100 \$4 00 to \$6 00
Pansies.....	1 00 to 1 50
Smilax, per doz.....	\$2 50
Fancy Ferns, per 1000.....	3 00
Galax.....	per 1000, 1 00
Adiantum.....	75 to 1 00
Asparagus Sprenger.....	2 00 to 3 00
Asparagus Plumosus, per string.....	50c to 60c
Asparagus Plumosus, sprays.....	2 00 to 3 00
Cornflowers.....	50 to 75
P. and D. at Cost.	
Prices subject to change without notice.	

J. B. Deamud Co.

Long Distance 'Phone, Central 3155. Automatic 44-389.

Wholesale Florists,

160 N. Wabash Ave., CHICAGO

—EXTRA FANCY— Stock for Memorial Day

We are prepared with a large supply of high grade stock to fill all orders up to the last minute. If you want stock of the first quality at reasonable prices this is the place to buy. Send us your orders immediately for

PEONIES, ROSES, CARNATIONS

MEMORIAL DAY PRICE LIST:

BEAUTIES	Per doz.
30 to 36-inch stems.....	\$3.00 to \$4.00
20 to 24-inch stems.....	2.00 to 2.50
15 to 18 inch stems.....	1.50
12-inch stems.....	1.00

ROSES	Per 100
Richmond, good stock.....	\$4.00 to \$6.00
fancy.....	8.00
Killarney, good stock.....	4.00 to 6.00
fancy.....	8.00
White Killarney, good stock.....	4.00 to 6.00
fancy.....	8.00
Sunburst.....	6.00
Mrs. Aaron Ward.....	8.00
extra select.....	10.00

ROSES	Per 100
My Maryland.....	4.00 to 6.00
fancy.....	8.00
Our selection.....	3.00
Extra Special Roses Billed Accordingly.	

CARNATIONS	Per 100
Common.....	2.50 to 3.00
Fancy.....	4.00
Special.....	5.00

PEONIES	Per 100
Short.....	4.00
Good.....	5.00
Fancy.....	6.00 to 8.00

MISCELLANEOUS	Per 100
Callas.....	per doz., \$1.50
Easter Lilies.....	per doz., 1.50
Valley.....	3.00 to 4.00

MISCELLANEOUS	Per 100
Sweet Peas.....	\$0.75 to \$1.25
Daisies.....	1.00 to 2.00
Gardenias, per doz.,	\$3.00 to \$4.00
Gladioli.....	per doz., 1.00 to 1.50
Baby.....	4.00 to 5.00
Cape Jasmine.....	1.00 to 2.00

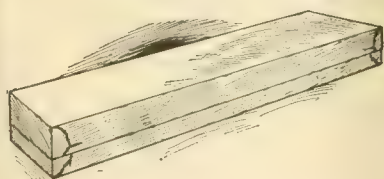
GREENS	Per 100
Asp. Plumosus.....	per string .50 to .60
Sprays, per bunch.....	.35 to .50
Sprenger.....	per bunch .25 to .50
Adiantum.....	per 100 .75 to 1.00
Smilax, choice.....	per doz. 2.50
Fancy Ferns.....	per 1000 3.00
Galax Leaves.....	per 1000 1.00

Subject to Change Without Notice

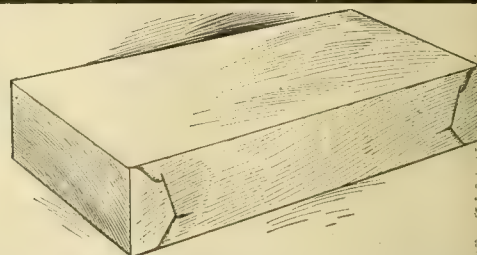
JOHN KRUCHTEN

Wholesale Florist, L. D. Phone 162 N. Wabash Ave., CHICAGO.
Central 6269

Mention the American Florist when writing



FOLDING FLOWER ..BOXES..



We can supply you with any size Flower Box you need. We carry the largest variety of colors. We can and do make prompt shipments at all times. Our prices are reasonable and a special discount will be allowed on quantity orders.

Palm Green, Mist Gray, Mist Brown.	White Glaze, Green Glaze, Pink Glaze.	Extra Heavy Spray and Design—Palm Green.	Extra Heavy Spray and Design—Mist Gray, Mist Brown.	Violet and Corsage Boxes.
Per 100	Per 100	Per 100	Per 100	White and Violet Glaze. Per 100
16x 4 x3.....	16x 4 x3.....	23x12x5, Telescope, \$ 7.50	30x12x 6, Telescope, \$10.50	7x4x4.....
20x 4 x3.....	20x 4 x3.....	30x12x6 " " 10.00	20x12x 8 " " 10.00	8x5x5.....
18x 5 x3.....	18x 5 x3.....	20x12x8 " " 10.00	16x16x 8 " " 10.50	10x6x5½.....
21x 5 x3.....	21x 5 x3.....	12x12x8 " " 10.00	20x20x 8 " " 13.50	12x8x5½.....
24x 5 x3½.....	24x 5 x3½.....	16x16x8 " " 10.00	24x24x 8 " " 15.50	14x10x8, Telescope.....
30x 5 x3½.....	30x 5 x3½.....	20x20x8 " " 13.00	24x24x10 " " 20.00	Plain Violet.
36x 5½x3½.....	36x 5½x3½.....	24x24x8 " " 15.00	28x28x 8 " " 19.50	7x4x4.....
21x 7 x3½.....	18x 6 x3½.....	32x32x8 " " 25.00	32x32x 8 " " 25.50	8x5x5.....
24x 8 x4.....	21x 7 x3½.....	28x32x8 " " 16.00	24x14x 8 " " 13.00	10x6x5½.....
24x 8 x5.....	21x 8 x4.....	28x22x8 " " 12.50	30x14x 8 " " 16.25	11x8x5½.....
28x 8 x4.....	24x 8 x4.....	30x14x8 " " 16.00	40x14x 8 " " 17.75	Mist Gray, Mist Brown, Palm Green.
28x 8 x5.....	28x 8 x5.....	36x14x8 " " 17.50	40x14x8 " " 17.75	7x4x4.....
36x 8 x5, Telescope.	24x 8 x5.....	40x14x8 " " 16.00	42x17x 8 " " 20.50	8x5x5.....
40x 8 x5 " " 9.00	28x 8 x5, Telescope.	32x17x8 " " 16.00	No printing charge on lots of 300 or over of assorted sizes. Samples of board mailed on application.	
42x 8 x5 " " 11.00	36x 8 x5 " " 11.00	36x17x8 " " 18.50		
30x10 x5 " " 7.00	42x 8 x5 " " 13.25	42x17x8 " " 20.00		
36x10 x5 " " 9.00	36x10 x5 " " 11.00			
42x10 x5 " " 13.00	42x10 x5 " " 15.00			10x6x5½.....
48x10 x5 " " 15.00	48x10 x5 " " 18.00			15x6x5.....
				14x10x8, Telescope.....

A. A. Arnold, 16-18-20-22 S. PEORIA ST., CHICAGO
DEPT. F.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

Decoration Day Offerings:

CARNATIONS

Will be in crop sure. We were forced to buy almost our entire supply for Mothers' Day. Not so for Decoration Day. We are now ready to book orders with the assurance of filling them, "with our own stock."

ORCHIDS

Roses

We will have our usual large supply of short and medium length Roses, these grades are most desirable for Decoration Day.

Peonies

This most popular flower which is in most demand for Decoration Day and Commencements. We have a large supply of the grades needed.

Sweet Peas

We will have ample supply of the Spencer or Butterfly varieties, also the ordinary grades.

Lily of the Valley

We are cutting thousands daily, extra fancy flowers always on hand for weddings on short notice.

Giganteum Lilies

The valuable Lily we grow in large quantity. It is very popular for Decoration Day and Weddings.

Am. Beauties

Our supply of fancy long will be adequate to fill all orders. Medium and short in limited quantity.

BOXWOOD, SMILAX, SPRENGERI, ASPARAGUS, FERNS

Our Decoration Day Price List will reach you about May 20th. See it before placing your order elsewhere. We will have ample stock to take care of all your orders.

Remember and send us your orders for Commencements, Weddings and Other Occasions.

FOR CURRENT PRICE LIST SEE PAGE 957

CUT FLOWERS

**Roses, Carnations, Peonies, Daisies,
Valley, Gladioli, Sweet Peas, Tulips,**

All other Seasonable Flowers and Greens of all kinds.

Memorial Day Price List.

American Beauties		Per doz.		Per 10		Orchids,		Per doz.	
Specials.....		\$4.00		Killarney, select	\$8.00	Cattleya.....	\$6.00 to	7.50	
36-inch.....		3.00		Fancy.....	6.00		Per 100		
30-inch.....		2.50		Medium.....	4.00	Callas	\$12.50 to	\$15.00	
24-inch.....		2.00		Good short.....	3.00	Valley	3.00 to	4.00	
20-inch.....		1.50		White Killarney, select	8.00	Mignonette, large spikes		4.00	
15-inch.....		1.25		Fancy.....	6.00	Sweet Peas, common... ..	.75 to	1.25	
12-inch		1.00		Medium	4.00	Adiantum Croweanum	.60 to	1.00	
Short stem per 100, \$4.00 to		6.00		Good short.....	3.00	Smilax	per doz.	2.00 to	2.50
				Extra Select Roses Billed Accordingly.		Sprengerl			
	Per 100			Peonies, Extra special	8.00	Plumosus Sprays ..	3.00 to	4.00	
Richmond, select.....	\$8.00			" Special	6.00	Plumosus Strings, each		.60	
Fancy	6.00			" Good.....	4.00	Ferns, ...	per 1000,	3.00	
Medium.....	4.00			Carnations,		Galax	per 1000,	1.25	
Good short.....	3.00			Fancy white and red \$4.00 to	5.00	Leucothoe.....	per 100	.75	
				Firsts.....	3.00				
				Common splits.....	2.00				

ERNE & KLINGEL,

30 E. Randolph St., L. D. Phone Randolph 6578 Chicago

ROSES

AND CARNATIONS

BIGGEST CROPS EVER

ORDER OF US

AND WE WILL FIX YOU UP RIGHT. WRITE NOW.

Hoerber Bros.

Wholesale Growers of Cut Flowers

162 N. Wabash Ave.,

**Long Distance Phones:
Randolph 2758.
Automatic 41770.**

Chicago.

"ASK YOURSELF WHY"

No matter where you were if you wanted "The Best" you would go to the oldest and largest dealer to get what you wanted.

Why You Should Come to Us for Peonies

¶ We are not alone the oldest firm in this line, but the largest growers and handlers of Peonies in the world. "Why." Of course you understand that our different farms are so located that we start with May 10th and get daily shipments to the end of June and our output is over 500 dozen a day.

Order of Us. Get The Best. "Prices Are Right."

Quality is Right. Quantity is Right. You can order One Dozen or 1000 Dozen and every flower will be what you want.

Booking Orders Now

Any Day, Every Day and Decoration Day for Extra Select Stock at \$4.00, \$6.00 and \$8.00 per 100

MEMORIAL DAY PRICE LIST

ROSES		Per 100	ORCHIDS		Per doz.	Miscellaneous Stock—Cont'd	
Killarney.....	\$3.00 to	\$ 8.00	Cattleyas.....	\$5.00 to	\$7.50	Pansies.....	Per 100, 1.50
White Killarney.....	3.00 to	8.00				Candytuft.....	Per bunch .50 to .75
My Maryland.....	3.00 to	8.00	MISCELLANEOUS STOCK			DECORATIVE	
Richmond.....	3.00 to	8.00	Stocks, single, per bunch,	.50 to	.75	Asparagus—	
ROSES, our selection...	3.00	10.00	“ double “	.50 to	.75	Plumosus, per string,	.60 to .75
“ special, select..	10.00		Snapdragon.....	.75 to	1.25	Plumosus, per bunch,	.35 to .50
AMERICAN BEAUTY—	Per doz.		Gardenias.....	Per doz.	2.00 to 3.00	Sprenger, “	.35 to .50
Specials.....	4.00		Valley ..	Per 100,	3.00 to 4.00	Adiantum	Per 100, .75 to 1.00
36-inch.....	3.00		Easter Lilies.....	“	10.00 to 12.50	Smilax.....	Per doz. 2.00 to 2.50
30-inch.....	2.50		Callas.....	“	10.00 to 12.50	Mexican Ivy.....	per 1000, 6.00
24-inch.....	2.00		Sweet Peas.....	“	.75 to 1.25	“ “	per 100, .75
20-inch.....	1.50		“ Butterfly “	1.50 to	2.00	Ferns.....	“ 2.50 to 3.00
15 to 18-inch.....	1.25		Mignonette.....	“	4.00 to 6.00	Galax.....	per 1000, 1.00
Shorter.....	.75 to	1.00	Jonquils indoor,	“	2.00 to 3.00	Leucothe.....	Per 100, .75 to 1.00
CARNATIONS	Per 100		Tulips.....	“	2.00 to 3.00	Boxwood, per bunch, 25c;	per 100
Select.....	\$2.00		Marguerites.....	“	.50 to 1.00	lbs.,	\$15.00.
Fancy.....	3.00		Daisies.....	“	1.00 to 2.00		
Colored.....	\$3.00 to	4.00	Spanish Iris.....	“	4.00 to 5.00		
White.....	5.00						

KENNICOTT BROS. CO.

163-165 North Wabash Ave., L. D. PHONE CENTRAL 466. CHICAGO.

BEAUTIES CARNATIONS, ROSES, PEONIES

FINE LARGE CROPS FOR Memorial Day

Write for Prices.

Buy Direct of the Grower.

We grow all the stock we sell and guarantee it strictly fresh. All seasonable flowers at market prices.

BASSETT & WASHBURN

Store and Office 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.
LONG DISTANCE PHONE, CENTRAL 1457.

Chicago.

MOTHERS' DAY TRADE VERY GOOD.

The Mothers' day trade this year was exceptionally good and nearly equal to that of one of the other leading flower days. The shipping trade was very brisk but the greater demand was principally local, although orders were refused from all sections of the country. The demand from the south was not so heavy as in former years but many large eastern orders were filled. The supply was far too short and it was rather disappointing that no other flower could be substituted. Of course, white carnations were in best demand, but the supply of these was sold up quickly as well as the colored ones which were to be had. The best white easily brought as high as six cents but much inferior stock was sold for a great deal less. The colored varieties easily brought four and five cents and Enchantress for a time seemed to be the only variety that was at all plentiful. There was as in former years the usual amount of pickled stock, a practice which the grower ought to stop immediately for it is doing much injury to the cut flower business. The stock that was sold by the Mothers' Emergency League on the street on May 10 called for a large amount of blooms, but the flowers that were sold in many instances were of such quality that the purchaser threw them away rather than wear them. Whether the florist was to blame for this or not or whether the society was responsible it is difficult to state, but one thing is certain and that is if the practice continues Mothers' day will meet the same fate as McKinley day did and nearly every florist knows what that means. White roses were in great demand, in fact everything seasonable sold well, although the

PEONIES

Extra Fancy Stock at \$4.00, \$6.00 and \$8.00 per 100.

ALSO ROSES, CARNATIONS,
SWEET PEAS AND GREENS.

SINNER BROS.

56 E. Randolph Street, CHICAGO

prices in some lines could have been better. Richmond roses were in great demand and sold out quickly. American Beauty roses also sold up well and had an unusually good call. The market which was very weak last week is firm now and no great surplus of stock is looked for before Memorial day. Carnations are scarce and the supply of Spanish iris is none too plentiful. Peonies are being received in large quantities and the assortment of varieties increases every day. To the white and red offered last week have been added the early pink varieties. Tulips and narcissi are plentiful. There is a good supply of antirrhinum, especially the

pink, and it is largely shown in the retailers' windows. Poeticus narcissus is also received now and sweet peas are plentiful, the beautiful Spencer varieties are to be had in good quantity and of excellent quality. Mignonette is still in good supply. Marguerites are seen in quantity, especially in the retailers' windows where baskets of these flowers are now being featured. Gladiolus is now coming in in larger supply. There is the Colvillei varieties, both Bride and Blushing Bride and some fine blooms of Mrs. Francis King and Augusta. Lilacs are seen everywhere and lupines, pansies, calendulas and stocks can be procured at all times.

Poehlmann Bros. Co.

72-74 E. Randolph St. Long Distance Phone CHICAGO, ILL.
Randolph 35

BEAUTIES--ORCHIDS

Valley-Roses-Sweet Peas

SPECIAL ON ROSES

From May 15th to May 18th, \$20.00 per 1000.

Current Price List.

All our quotations are subject to market fluctuations, changes without notice, and our confirmation.

AMERICAN BEAUTIES		Per Doz.	LADY HILLINGDON.		Per 100	CARNATIONS--		Per 100
Specials.....		\$4.00	Specials.....		\$12.00	Firsts.....		\$5.00
36-inch.....		3.00	Long.....		10.00	Seconds.....		4.00
30-inch.....		2.50	Medium.....		\$5.00 to 8.00	Splits.....		\$2.00 to 3.00
24-inch.....		2.00	Short.....		4.00	ORCHIDS, Cattleyas...	per doz.,	6.00 and up
20-inch.....		1.50	RICHMOND.		Per 100	SNAPDRAGONS		6.00 to 10.00
18-inch.....		1.25	Specials.....		\$10.00	DAISIES		1.00 to 2.00
15-inch.....		1.00	Long.....		8.00	PANSIES		.75
Short stem.....	Per 100,	\$4.00 to 6.00	Medium.....		6.00	LILIES		10.00 to 12.00
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.			Short.....		2.00 to 4.00	VALLEY		3.00 to 4.00
Specials.....	Per 100	\$12.00	KILLARNEY.			SWEET PEAS, fancy		1.00 to 1.50
Long.....		10.00	Specials.....		\$10.00	ADIANTUM CROWEANUM		1.00
Medium.....		6.00 to 8.00	Long.....		8.00	SMILAX	Per doz.	2.50
Short.....		2.00 to 4.00	Medium.....		6.00	SPRENGERI		2.00 to 4.00
MRS. AARON WARD.			Short.....		2.00 to 4.00	PLUMOSUS SPRAYS		3.00 to 4.00
Specials.....		\$12.00	KILLARNEY QUEEN			PLUMOSUS STRINGS	each	.60
Long.....		10.00	Specials.....		\$12.00	FERNS	per 1,000,	2.50
Medium.....		6.00 to 8.00	Long.....		10.00	GALAX	per 1,000,	1.25
Short.....		2.00 to 4.00	Medium.....		8.00	LEUCOTHOE	per 100,	
MELODY, specials.			Short.....		4.00 to 6.00	BOXWOOD, bunch, 25c;	50-lb. case,	
Long.....		10.00	WHITE KILLARNEY.					
Medium.....		6.00 to 8.00	Specials.....		\$10.00			
Short.....		2.00 to 4.00	Long.....		8.00			
			Medium.....		6.00			
			Short.....		2.00 to 4.00			

SUPPLY DEPARTMENT.

BASKETS

For Commencements and Weddings.

We have a tumbler basket for \$20.00 per 100 that is a winner. Try some.

American Oak Sprays, per pound, 30 cents.

Special Sale of Three Stripe Chiffon, the very best quality, 4-inch, 2½ cents; 6-inch, 3½ cents; 10-inch, 6½ cents.

Atlas Wreaths, Magnolia and Ruscus Wreaths for Memorial Day. Order a sample line **NOW.**

Cape Flowers, Ruscus, Magnolia Leaves, Wheat Sheaves.

Only a few days left to put in your accessories for Memorial Day.
Try us.

H. VAN GELDER, Pres.

L. M. JONES, Secy.

PERCY JONES

INC.

WHOLESALE COMMISSION FLORISTS

Importers and Jobbers of
Florist Supplies

56 East Randolph Street
CHICAGO

Ribbons and Chiffons
Our Specialty

Do You Rest at Ease

in regard to the stock for your holiday trade as soon as your order is mailed or telegraphed? **Our Customers do.** Why not join the ranks of our satisfied patrons now and let us relieve you of all your worry. **You cannot find any firm that is infallible.** We do not claim to be. It is to your advantage however to find **the House which is the most reliable.** Of all the orders we filled last Easter we received but one complaint and that was not a serious one.

Send for our Cut Flower and Supply Lists Now

NOTES.

Zech & Mann have leased the basement of the Atlas building at 30 East Randolph street, which was formerly occupied by the Poehlmann Bros. Co., and will in all probability move in before Memorial day. This firm has been greatly handicapped for room for some time, due to increasing business, and the change to larger quarters will be beneficial to all concerned. D. E. Freres has taken over the lease of the store Zech & Mann now occupy, and the Chicago Carnation Co. will locate in the store he vacates. There have been numerous rumors afloat for several days in regard to these changes, but the information the writer secured was obtained from John Zech after all arrangements had been definitely settled.

The Chicago Flower Growers' Association is receiving regular shipments of peonies now and J. F. Kidwell says that he would not be at all surprised if local grown stock would be in for Memorial day. The directors of the association held a meeting on Wednesday, May 14.

Chairman T. E. Waters, of the good-of-the-club committee, reports that the Florists' Club picnic will be held on Sunday, August 17, a day previous to the departure of the florists to the convention. Further particulars to be announced later.

Oscar Leistner is finding Ove Gnatt's American oat wreaths a winner all right for Decoration day, for it is selling good with all the dealers. The wreath is made in two sizes and is cherry red, golden brown and natural green.

Phil Schupp reports business at J. A. Budlong's store as good, with a clean-up of stock each day. Lily of the valley is in good supply here, and



Decoration Day

Will have a large supply of Peonies, Roses, Carnations and all other Cut Flowers. Also a full line of Supplies and Decorative Material.

Send for complete Price List

CHAS. W. McKELLAR

Phone L. D. Central 3598

22 E. Randolph St., CHICAGO

a fine grade of sweet peas is now being featured.

E. H. Hunt's creditors, according to notice issued May 7, have to file their claims with Master in Chancery Chas. P. Abbey at 1612 Tribune building, within twenty days of the date of notice.

Kyle & Foerster will again handle large quantities of local grown peonies, but they are doubtful if the stock will be in before Memorial day.

The Raedlein Basket Co. is finding

business good but has such a large stock of florists' baskets on hand that it can easily fill all orders.

The A. L. Randall Co. is having a big run on American oak spray wreaths, which are now one of the best Memorial day sellers.

The E. C. Amling Co. is still supplying its trade with fancy Butterfly sweet peas.

Chas. W. McKellar is having a good call for orchids, which have not been any too plentiful for some time.

WIETOR BROS.

162 N. Wabash Ave., Chicago

ROSES.

We Are in Full Crop and Can Fill All Orders for

DECORATION DAY

We are particularly strong on Killarney, White Killarney, Richmond, My Maryland and Sunburst. Remember we have the best stock in the Chicago market at the most reasonable prices.

Send Us Your **ORDER NOW** Fresh Stock
Carefully Packed

Decoration Day Price List:

Subject to change without notice.

American Beauties

Per Dozen	Per Dozen
60-in. stems.....\$4 00	24-in. stems.....\$2 00
48-in. stems.....3 50	16-in. stems.....1 50
36-in. stems.....3 00	12-in. stems.....1 00
30-in. stems.....2 50	

Killarney.

Per 100
Extra special.....\$ 7.00
Selects.....6 00
Fancy.....5 00
Medium.....4 00
Good.....3 00
Short stems.....2 00

Richmond.

Per 100
Extra special.....\$7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

My Maryland.

Per 100
Extra special.....\$ 7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

White Killarney.

Per 100
Extra special.....\$ 7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Sunburst

Per 100
Extra special.....\$10.00
Fancy.....8.00
Good.....6.00

Roses, our selection - - - **\$3.00**

Carnations.

Special.....\$5.00
Good.....\$3.00 to 4.00

HARRISII.....\$12 50 to 15.00
FERNS, per 1000.....\$3.00
SMILAX, per doz.....\$2.00 to \$2.50
ADIANTUM, per 100.....1.00
GALAX, per 1000.....1.00
SPRENGERI, per bunch......50
ASPARGUS SPRAYS, per bunch......50

The above prices are for select stock. Extra select or inferior stock billed accordingly.
All other stock at lowest market rates.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association



WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449

176 N. Michigan Ave.

Chicago

BIG SUPPLY

White and Red
Carnations

White and Red
ROSES

And a big supply of
Fancy Peonies

Current Price List. Subject to change without notice.

	Grade	A	B	C	D	E
American Beauties.....	per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$2.00	1.50
Killarney.....	per 100	8.00	6.00	5.00	4.00	3.00
White Killarney.....		8.00	6.00	5.00	4.00	3.00
My Maryland.....		8.00	6.00	5.00	4.00	3.00
Richmonds.....		8.00	6.00	5.00	4.00	3.00
Mrs. Aaron Ward.....		8.00	6.00	5.00		
Sunburst.....		8.00	6.00	5.00		
Carnations.....		4.00	3.00	2.00		
Callas.....		12.50	10.00			
Lily of the Valley.....		4.00	3.00			
Peonies.....		8.00	6.00			
Violets, Extra fine single.....		1.50	1.00			
Double.....		1.00	.75			
Sweet Peas.....		1.50	1.00	.75		
Jonquils.....		4.00	3.00			
Tulips.....		4.00	3.00	2.00		
Easter Lilies.....		12.50	10.00			
Daisies.....		1.50	1.00			
Asparagus Plumosus Sprays..		4.00	3.00	2.00		
Asparagus Sprengeri Sprays..		3.00	2.00			
Mexican Ivy.....		.60				
Smilax.....		16.00	12.50			
Galax, Green and Bronze.....	per 1000	1.00				
Ferns.....		2.00				
Boxwood.....	bunch	.25				
Adiantum.....	per 100	1.00	.75			

The North Shore Florists and Nurserymen's Association was organized on May 1 when the following officers were elected: George Stollery, president; F. O. Franzen, vice-president; Herman Schiller, secretary, and Louis Wittbold, treasurer. About 16 florists of the north side were present at the meeting, which was held in Winona Hall, Winona street and Evanston avenue. The club will endeavor to elevate the prices of cut flowers so that the dealer will make a reasonable profit, and will also try to establish a standard set of prices for bedding plants. Another meeting will be held at the same place on May 16 and the result of the association's experiments will be watched with interest.

Joseph E. Papacek and Miss Pauline Kaspar were united in the holy bonds of matrimony at the St. Ludmelas Catholic church on Wednesday, May 7. The church was handsomely decorated for the occasion and the wedding was quite an elaborate affair. Mr. Papacek conducts a store at 3250 West Twenty-sixth street and is well and favorably known to the local trade.

John Mangel, the Palmer House florist, has enlarged his window considerably, and is now enabled to make a much bigger display. He is a firm believer in window displays, and his window is always so beautifully arranged that it is one of the chief attractions in East Monroe street.

At Kennicott Bros. Co.'s store peonies are arriving in large quantities and this establishment is gradually taking on a holiday appearance. The "Peony King" is on the job as usual and seems to be most contented when he is at work amongst his favorite flowers.

N. J. Wietor says that the Mother's day trade at Wietor Bros.' store was very good and that the sales on that

day were nearly equal to those of a good Christmas. White carnations were as usual in good demand, but in many instances white roses were substituted.

Erne & Klingel had a brisk Mothers' day trade and sold out completely in all lines before the store closed on May 11. This firm expects to have a good supply of flowers for Memorial day in addition to its regular line of stock.

Percy Jones had a big day on May 10 when trade in both the cut flower and supply departments was extraordinarily good. H. Van Gelder says the sales for that day were double what he expected.

Hoerber Bros. are supplying their customers with fancy Richmond roses, which are in good crop with them now. Work on their new chimney at Des Plaines is well under way and will be completed soon.

John Kruchten is enjoying a good season, and is looking forward to a brisk Memorial day trade. This firm has been featuring a fine line of sweet peas in addition to its other choice stock.

Weiland & Risch had two banner days on May 10 and 11. This house has been featuring a fine line of novelties all season and their cut of flowers now is about as complete as can be.

O. Johnson says that the Batavia Greenhouse Co.'s carnations brought Mothers' day prices on May 12 when the scarcity was nearly as great as on the previous day.

Wm. Stoll's place at 3704 North Western avenue, was visited by fire on May 10, but the blaze was extinguished before any great damage was done.

The next regular meeting of the Cook County Florists' Association will be held at the Tavern, West Washington street, on Thursday, May 15.

WANTED!

Peony Grower

Shipper of First Class
Stock to start immediately. Checks weekly.
Write now.

M. C. GUNTERBERG,
56 East Randolph Street,
CHICAGO.

Mention the American Florist when writing

August Poehlmann and Adolph Poehlmann and wives left on May 8 for Alton to visit their sons, who are students at the Western Military Academy.

S. Freund, with A. A. Arnold, the paper box manufacturer, will leave soon on an extended western business trip.

J. A. Mendel has returned from a few days' visit at Fox Lake, where his summer home is located.

Vaughan's Seed Store's import list of plants and bulbs is out.

We Have What **U** Want Send us Your Orders

For Your WEDDING BOUQUETS be sure to order our fancy

BLUE RIBBON VALLEY AND

Butterfly Sweet Peas

**We can supply these in quantities—
Pink, Light Pink, Lavender and White**

**Also a large supply of BEAUTIES, ROSES, VALLEY, CARNATIONS, DAISIES,
as well as the best Summer Roses to be found on this market and
all GREENS and OTHER SEASONABLE STOCK**

**Buy
Direct
from the
Grower**

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

**ROSES, VALLEY
and CARNATIONS
A Specialty.....**

**WHOLESALE
Grower of**

GUT FLOWERS

**L. D.
Phone
Central
3120**

Carl Ickes, with the A. Dietsch Co., will leave soon with his family for a tour of the European continent and will likewise visit his old home in Germany from where he has been absent for 27 years. Mr. Ickes' many friends in the trade wish him a pleasant voyage and a speedy return. A. Dietsch will assume charge and will be ably assisted by his sons Albert and Alfred. Mr. Dietsch, who has just returned from Florida, is feeling better than he has at any time during the past eight years and will be on the job at the stand where he will be pleased to meet all of his old friends and customers.

Poehlmann Bros. Co. had a large Mothers' day trade and was obliged to buy a large quantity of carnations to fill their orders. This firm was off crop nearly altogether on carnations for this day, but will be fortunate in having a large supply for Memorial day. Roses, however, are in good crop and fancy stock in all lines is seen at the store.

Louis Wittbold says that the spring work is on in earnest and that the Geo. Wittbold Co.'s landscape department is now taxed to its utmost with work. The front of the Wittbold store on Buckingham place presents a very refreshing appearance with the walk lined with bay and box trees on either side for a distance of several hundred feet.

Peter Reinberg cleaned up completely on all lines for Mothers' day, the demand for carnations and Richmond roses being exceptionally heavy. Richmonds have been in good demand all season and this house has been one of the fortunate ones to have a supply at all times.

A. L. Vaughan & Co. are booking a large number of orders for Memorial day which from present indications promises to be "some big day." Peo-

nies are arriving in quantity at this firm's store now and the stock is moving well at good prices.

At Bassett & Washburn's the trade has been brisk all week and all lines of stock are cleaning up well at good prices. This firm was obliged to buy heavily in carnations for Mothers' day but expects to be well fixed on these flowers for May 30.

The J. B. Deamud Co. will again feature double white narcissus for Memorial day and are booking orders for them. Mr. Deamud made a trip to Bay City, Mich., this week, returning home May 14.

Gust Rusch, of Gust Rusch & Co., of Milwaukee, Wis., was here on business on May 13, returning home the same day.

Miss O. A. Tonner expects to have some local grown peonies on sale next week.

Visitors: James Karins, representing Henry A. Dreer, Philadelphia, Pa.; C. Grootendorst, representing F. Grootendorst & Son, Boskoop, Holland; Daniel R. White, Sandusky, O.; Vactor P. Niemetz, Charkow, Russia; S. A. White, Sandusky, O.; John Bauscher, Freeport, Ill.; Thos. Zettlitz, Lima, O.

Chicago Florists' Club.

The regular meeting of the Chicago Florists' club was held at the Union Restaurant May 8, President French in the chair. Arrangements were discussed regarding the distribution of stock donated for sufferers in the recent tornado and floods and the president and secretary of the club delegated to take care of this matter. There was a brisk discussion on publicity for florists in which T. E. Waters and George Asmus were the principal participants, the latter advocating flower shows as the cheapest and most desirable form of trade advertising,

and giving in the course of his remarks a very interesting account of the National Flower Show at New York, concluding with the statement that the country has barely awakened to the great possibilities of these exhibitions.

Mr. Asmus also referred to the recent Minneapolis meeting of the convention advisory board of the Society of American Florists, stating that work was well advanced toward the largest and most delightful gathering in the history of the organization, each man and woman of the Twin Cities' trade bending every energy to make the affair a huge success and in every feature a credit to the northwest.

The committee on elevated railroad abuses of the flower business reported that some progress was being made in their interviews with the city authorities and that already there has been some curtailment of these encroachments on the rights of taxpayers. The good-of-the-club committee was instructed to investigate the possibilities of a picnic in July and report at the next meeting.

W. H. Harris and Clark T. Roberts, 140 Dearborn street, were nominated for membership in the club.

The transportation committee reported that preparations are going forward that will insure for the Minneapolis trip in August the finest special train that ever left this city and a number of clubs and individual members of the national organization have already written the committee stating that they will join the party here enroute to the convention city.

Vactor P. Niemetz, horticulturist, representing the Russian government on a tour of inspection of the United States, was a visitor and addressed the meeting on the past and present conditions of Russian floriculture.

In Large Supply For Memorial Day BEAUTIES--PEONIES

\$1.00 to \$4.00 per dozen.

\$4.00, \$6.00 and \$8.00 per 100.

WHITE KILLARNEYS PINK

Large crops of all lengths at prices ranging from \$2.00 to \$8.00 per 100.

CARNATIONS. All the leading varieties at \$3.00 and \$5.00 per 100. Also all other Seasonable Cut Flowers and Greens at lowest market prices. **Try Us. Order Now.**

BATAVIA GREENHOUSE CO.

30 East Randolph Street,

: :

CHICAGO, ILL.

St. Louis.

STOCK VERY PLENTIFUL.

Stock was very plentiful the last week. Carnations and roses were especially so in the finer grades. Sweet peas are not so abundant. Peonies are in. Carnations stiffened somewhat Friday and Saturday on account of Mothers' day. Some of the florists reported increased business, while others complained of high prices. White carnations were quoted at three and four cents while others were quoted at two and three. Extra fancy whites brought five cents. Some extra fine long stem American Beauty roses are in.

NOTES.

The decorations for the wedding of Miss Thornburgh to Sir Wilfred Peck were arranged by Miss M. S. Newman. The church was decorated with Easter lilies and pink hydrangeas, ferns, palms and bay trees. Bridal wreaths decorated the chancel. The bride carried a bouquet of orchids and lily of the valley. M. M. Ayres had several large orders for receptions held for the bridal party.

Henry Ostertag of Ostertag Bros., says that he sold Enchantress carnations Mothers' day at five cents, his customers refusing to pay \$1.00 a dozen for whites. This firm will erect in the near future an aquarium and fountain in their store.

Andrew J. O'Leary, formerly with J. H. Small & Sons of New York and Washington, will open a store May 15 on Grand avenue. This is a good location and a very pretty store has been erected by the New Grand Central Theatre Co.

The St. Louis Florists' Club met Thursday. Only a few members were present. F. H. Weber was in the chair. The next meeting will be held at Shaw's Gardens.

The Wm. C. Smith Wholesale Floral Co. had a fine supply of sweet peas and carnations. They had a specially fine supply of white carnations.

Grimm & Gorly have a very pretty scene in their window. It is an old fashioned cotton plantation which attracts much attention.

The Windler Wholesale Floral Co. had a big trade during the past week. They expect some fine asters shortly.

The publicity committee had some very pretty announcement cards for sale for Mothers' day.

Weber & Sons nursery sent in a fine supply of white carnations for Mothers' day.

George H. Angermueller had a splendid supply of extra fancy long stem American Beauty roses.

C. A. Kuehn said that the Mothers' day trade showed an increase.

Lilacs this year were of very short duration.

W. F.

The Chicago Great Western has been named the Official Route of the Chicago Florists' Club to the Minneapolis Con- vention, August 19th to 22nd.

The Chicago Florists' Club will leave Chicago by Special Train at 6.15 p. m., August 18th, an invitation is extended to all eastern Florists and their friends and families to join them at Chicago and go to the convention in a body.

Special train will be "up-to-the-minute" throughout—including compartment and drawing room and standard sleepers, Buffet Club car, dining cars, Observation parlor, etc., etc.

For berths and information address,

A. L. CRAIG, General Pass. Agt.,
1139 People's Gas Bldg., CHICAGO, ILL.



Rutherford, N. J.

At the range of the Julius Roehrs Co. everything seasonable in the plant line is now seen. There are so many good things at this range that it would take large space to enumerate but a part of them. A great stock of young begonia plants, in Glory of Cincinnati, Lorraine and other varieties, are seen. The orchid houses are a great feature, and there is a large stock of pot roses and hydrangeas coming on. A. F. F.

Victoria, O.

The Wagner Park Conservatories, Sidney, have the contract for grading and planting in Monument park, Fort Recovery.

There was a heavy frost here May 11, freezing a lot of George Popp's dahlias which he had planted May 10.

Chicago Bowling.

C. C. F. LEAGUE.

Team Standings.

	Won.	Lost.		Won.	Lost.
Roses	47	34	Violets	38	43
Orchids	41	40	Carnations	36	45

Individual and team scores for games played Wednesday, May 7:

Roses.			Violets.		
Goerisch	119	135	120	Jacobs	176
Koehler	146	163	160	Sweeney	153
Ryers	156	149	145	Wolf	196
Price	160	209	168	Schultz	143
Fischer	209	147	163	J. Hueb'r	159

Totals...850 803 756

Orchids.

Krauss ...151 204 189

Graff ...143 140 160

Brost'm ...201 140 185

Econ'p'us.139 143 154

Sweeney ...175 134 105

Totals...809 761 793

Totals...821 761

Carnations.

Lorman ...179 160 132

Lieber'n ...144 186 156

Armstrong. 93 136 130

Ayres ...138 145 170

A. Zech...193 200 138

Totals...747 827 726

Cape Jasmine Buds

(Grandiflora)

The prettiest and most fragrant of flowers. Will begin shipping buds about May 20 to 25, and will last till June 10 to 15.

Memorial Day Orders should be in by May 20. Special attention given to Weddings, Entertainments and Commencement orders.

Prices f. o. b. Alvin:

Medium Stem, \$8.50 per 1000
Medium Stem, 1.00 per 100
Long Stem, - 13.00 per 1000
Long Stem, - 1.50 per 100

Will ship c. o. d. to responsible parties. We solicit your orders, which shall have our prompt attention.

T. W. CARLTON,
ALVIN, TEXAS.

Cleveland.

GOOD MOTHERS' DAY TRADE.

The volume of business done Mothers' day showed a heavy gain over last year, and the prices prevailing were about the same. The local wholesale houses were cleaned out of about everything they had in stock. Roses, carnations, sweet peas, lilac, snapdragon, easter lilies, in fact every kind of flower was in demand. Stock generally was of excellent quality. The week's business was good, the cool weather not bringing in a surplus of stock, and steady prices prevailed throughout. White carnations were held back somewhat and were a little short of the demand all week, but there were plenty of Enchantress, Rose Pink Enchantress, etc. Roses, too, were in sufficient supply to meet the demand. Lily of the valley and orchids are very plentiful just now. Sweet peas are short of the demand. Baby gladioli are arriving in limited quantities. Easter lilies are plentiful and sell well. Greens of all kinds are abundant.

C. F. B.

West Hoboken, N. J.

Herman Steinhoff is now very busy between his home range and his nursery and range at West Norwood, N. J. Many wagon loads of plants are being sold at the new plant market under the Queensborough bridge, New York. In addition, there is much fine stock coming on for Memorial day.

George W. Goldner, well-known in the florists' supply trade of New York, is doing a good business at his store, the "Rosery," 491 Spring street. He has been doing a large amount of outside planting, Mrs. Goldner and their

CAPE JASMINE BUDS

Ready to Ship Now

250,000 for DECORATION DAY. Book your order at once. My stock is known by its extra high quality—large buds, long straight stems, with an abundance of bright green foliage. Prices, f. o. b. Alvin, Texas: Class AA all 20-inch stems, \$2.25 per 100, \$20.00 per 1000. Class A, 12 to 18-inch stems, \$1.50 per 100, \$13.00 per 1000. Class B, 8 to 12-inch stems, \$1.00 per 100, \$8.50 per 1000. Regular orders; also lots of 500 at 1000 rates. Terms, Cash or C. O. D.

E. J. SHEFFIELD,
ALVIN, TEXAS.

REFERENCES:
Alvin State Bank and
Citizens State Bank.

CAPE JASMINE

FROM TEXAS COAST JASMINE FARMS. CREAM OF THE CROP.

We have the flowers. You need them. Place your orders with us at once. We will have close to 500,000 buds this year. Buds packed to ship any distance.

PRICES ARE:

B's—3 to 6-in. stems.....\$5.00 per 1000
A's—6 to 12-in. stems..... 8.50 per 1000
X's—12 to 18-in. stems..... 13.00 per 1000
Less than 500, \$1.00 and \$1.50 per 100

CASH OR C. O. D.

P. O. BOX 226

R. W. WOODWARD, Mgr.

ALVIN, TEXAS.

GARDENIAS.

Choice buds (Jasmine Grandiflora) with an abundance of bright fresh foliage from strong vigorous plants.

Class A, \$1.50 per 100, \$13.00 per 1000; stems over 12 inches F.O.B.
Class B, 1.00 per 100, 8.50 per 1000; stems under 12 inches F.O.B.

CASH OR C. O. D.

P. O. Box 201.

YARD & YARD, ALVIN, TEX.

daughter are looking after the store in his absence.

Emil Leuly is now very busy with his immense stock of table ferns. House after house is filled with plants that have been transplanted from the seed pots. This, by the way, is the same Emil Leuly who rides to the S. A. F. conventions on a bicycle.

Oscar Boehler, in addition to his large retail trade, has a considerable glass area which is well stocked with geraniums and other bedding plants, but which he is selling off rapidly to local customers.

George Giatras, in addition to ferns, of which he makes a specialty, has a good stock of hydrangeas coming on.

A. F. F.

A DECORATION DAY WINNER

Natural prepared American Oak Wreaths, made from preserved and fireproof Oak Sprays in cherry red, golden brown and natural green. Two sizes, 18 and 24 inch. Sample of 24-inch wreath will be sent postpaid on receipt of 90c.

OSCAR LEISTNER, 17 North Franklin Street CHICAGO

Selling Agents for OVE GNATT Hammond, Ind. Preparer of natural foliages.

ention the American Florist when writing

CLINTON, IA.—A new greenhouse 12x 50 feet has been erected by J. R. Bathers in the rear of his store.

TERRE HAUTE, IND.—G. Pandall opened a "cut rate" flower store at 726 Wabash avenue April 19.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Private Exchange to
all Departments. Phone Central 7720.

CHICAGO

Everything in Cut Flowers and Supplies.

Gold Letters

1 1/4 inch.....45c per 100
1 " 40c " "
3/4 " 35c " "

Script Words.

2 1/2 cents each. All kinds in stock.
Gold or purple.

Magnolia Leaves.

Finest in the U. S. A. 90 cents per hamper, 10 lbs. Place orders now for Decoration Day at our prices, for they are moving like hot cakes.

Cycas Leaves.

12 inch \$2.25 per 100
16 " 3.00 " "
20 " 3.75 " "
24 " 4.50 " "
32 " 5.25 " "
36 " 6.25 " "
44 " 8.50 " "
48 " 10.00 " "

We ship the smallest quantity at the same price. Above prices prevailed the last three years with us. If supply houses have charged you more and are now going down, it is because we are working the retail trade.

OAK SPRAYS, 20c per lb.

One pound of oak sprays is sufficient to make a 24-in. wreath. Make the wreath yourself and you can count 70 cents saved money.

American Importing Co.
219 Dearborn Street, Chicago

Baltimore.

FROST KILLS FRUIT.

It is believed that this city's supply of fruit and vegetables will be considerably lessened from nearby sources from the effects of the heavy frosts. The temperature dropped until 28 degrees was reached in the county as far north as Towson. Peas, just in blossom, were badly damaged. Tomatoes, in certain sections, were killed—acres of young plants cut down. Potatoes also suffered. Strawberries and fruits generally are injured. Orchards of peaches, pears and cherries had the fruit frozen. Vineyards, especially the young, tender grape plants, are destroyed. Farmers, gardeners and orchardists have lost thousands of dollars, it is estimated.

The Florists' Exchange has been fairly deluged with flowers for the past week. The local supply is abundant for the demand, but supplies from other cities have been coming in also. Commission men have been sending their over abundance to our city, selling at such reductions that the street vendors prefer buying the cheaper goods, and so the supply that would go from our commission houses is simply left unsold. This hurts our flower market very much, but is done every year. Why should not our commission men try the same game?

B.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, May 14.	Per doz.
Roses, Beauty, specials.....	\$4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 28-in.....	2 00
" " 15-20-in.....	1 25@ 1 50
" " 12-in.....	75
" " Short.....	Per 100
" Killarney.....	4 00@ 6 00
" White Killarney.....	4 00@ 10 00
" Richmond.....	4 00@ 10 00
" Prince de Bulgarie.....	4 00@ 12 00
" Radiance.....	4 00@ 12 00
" My Maryland.....	4 00@ 10 00
" Melody.....	4 00@ 12 00
" Mrs. Jardine.....	4 00@ 10 00
" Lady Hillingdon.....	4 00@ 12 00
" Sunburst.....	4 00@ 12 00
Carnations.....	1 00@ 4 00
Daffodils.....	3 00
Cattleyas...per doz., 6 00 and up.	
Gardenias.....	2 00@ 4 00
Iris Spanish.....	4 00@ 6 00
Lilium Harrisii.....	10 00@ 12 50
Peonies.....	4 00@ 8 00
Valley.....	3 00@ 4 00
Sweet Peas.....	1 00@ 1 50
Adiantum Croweanum.....	1 00
Boxwood.....per lb.,	25
Ferns.....per 1000.	2 00@ 2 50
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy...per 1000.	5 00@ 6 00
Plumous Strings...each.	50@ 60
Smilax.....per doz.,	2 00@ 2 50
Sprengeri Plumous Sprays.....	3 00@ 4 00

ZECH & MANN

Wholesale Florists

Room 218, 162 N. Wabash Av., Chicago

Telephone, Central 3284.

Mention the American Florist when writing



Mention the American Florist when writing

We have a big supply of
Mexican Ivy
and a surplus of choice
MAGNOLIA LEAVES
AND PREPARED PALM LEAVES.

H. WITTBOLD
56 Randolph St., CHICAGO
Phone Randolph 4708

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing

Wietor Bros.

Wholesale GROWERS of **CUT FLOWERS**

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

Chicago Carnation Co.

Wholesale Florists,

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

Mention the American Florist when writing

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

C.C. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
**Choice Cut Flowers
and Greens**

Green Sheet Moss

For lining hanging baskets, for decorating
show windows, for covering soil on pot
plants, etc. 1 Bale (5 bundles).....\$1.25
5 bales (25 bundles)..... 6.00

GEO. H. ANGERMUELLER,
Wholesale Florist. ST. LOUIS, MO.

Philadelphia.

DEMAND VERY GOOD.

Business has been about normal for the season, several quite elaborate weddings, some public dinners and a fairly good transient trade keeping things moving. The supply has been a trifle over the demand, giving the growers and commission houses a chance to prepare for Mothers' day, which gave the week a great clean up. Roses were perhaps a trifle more plentiful than other stock. American Beauty is seen in quantity and while yet in good shape is beginning to show the effects of the warm weather. My Maryland roses are now coming fine and for the next month will be quite a factor. Hillingdon and Taft are in good demand, as is also Mrs. Aaron Ward. Carnations were in fair condition for Mothers' day and while no doubt there had been efforts made to save them for the large demand, they were very presentable. Prices for the white ones soared, as was expected, as high as fifteen cents for the top-notchers, ten to twelve for very good stock and six to eight for Boston Market and those of similar size. The colored ones could be had from three to five. Snapdragon is seen in full supply everywhere. Cattleyas and gardenias are a trifle ahead of the demand, while lily of the valley sells up closely every day. Double corn flower is quite popular. Sweet peas are a great factor, great quantities of them being used. Some very fine stock is seen. Peonies may now be purchased in quantity. Festiva maxima is a feature. The sale of flowers for Mothers' day was quite up to the expectations. All the white carnations sold at good prices while the colored were advanced but slightly. The demand was also felt in the whole list and a general cleaning up was the result. The out-of-town demand was very good, large orders being received from all sections that depend on this market. The Wanamaker store helped the good work along by having a Mothers' day meeting in the auditorium of their store with Miss Jarvis as the principle speaker. They also gave away thirty-five thousand assorted carnations, but no white. When this supply was exhausted they added three thousand roses, which were also distributed. This gave a great impetus to the trade, as all of these flowers were immediately worn on the street. The observance on Sunday was quite marked, many of the Sunday schools giving them out to the children.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.
448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, May 14.		Per 100
Roses, Beauty, extra.....	20 00@35 00	
" first.....	10 00@15 00	
" Brides and Maids.....	4 00@12 00	
" Killarney.....	4 00@12 00	
" White Killarney.....	4 00@15 00	
" Liberty.....	4 00@12 00	
Carnations.....	2 00@ 4 00	
Cattleyas.....	35 00@50 00	
Gardenias.....per doz., 1 00@ 2 00		
Lilium Harrisii.....	8 00@12 00	
Lily of the Valley.....	3 00@ 5 00	
Calla Lilies.....	10 00@12 00	
Marguerites.....	1 00@ 1 50	
Snapdragons.....	8 00@12 00	
Sweet Peas.....	75 @ 1 50	
Peonies.....	6 00@ 8 00	
Gladiolus.....	3 00@ 6 00	
Asparagus.....per bunch, 50		

PITTSBURG, May 14.		Per 100
Roses, Beauty, special.....	50 00	
" extra.....	30 00	
" No. 1.....	15 00	
" Killarney.....	3 00@10 00	
" My Maryland.....	3 00@10 00	
" Richmond.....	3 00@10 00	
Carnations.....	3 00	
Calla Lilies.....	12 00	
Freeseas.....	3 00	
Gardenias.....	3 00	
Daisies.....	2 00	
Cattleyas.....	50 00	
Violets.....	50 @ 75	
Sweet Peas.....	75 @ 1 00	
Lilium Longiflorum.....	12 00	
Lilium Rubrum.....	8 00	
Lily of the Valley.....	4 00	
Daffodils.....	3 00	
Tulips.....	3 00	
Paper White.....	3 00	
Romans.....	2 00	
Poeticus Narcissus.....	1 00	
Oncidiums.....	4 00	
Lilac.....per bunch, \$1 00		
Asparagus Sprengeri, per bunch, 35@40		
Sprays.....per bunch, 35@40		

MILWAUKEE, May 14.		Per 100
Roses, Beauty, per doz., 2 00@5 00		
" White and Pink Killarney, 3 00@10 00		
" Richmond.....	3 00@10 00	
Carnations.....	2 00@ 4 00	
Callas.....per doz., 6 00@ 8 00		
Easter Lilies.....	10 00	
Lily of the Valley.....	3 00@ 4 00	
Sweet Peas.....	50 @ 1 00	
Tulips.....	2 00@ 3 00	
Daisies.....	50 @ 1 50	
Asparagus.....per string, 50		
Sprengeri, per bunch, 35		
Ferns, fancy.....per 1000, \$2 00		

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

Easter Lilies, Carnations, Sweet Peas,
all the popular roses. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist.
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St.,
Both L. D. Phones. ST. LOUIS, MO.
Supplies and Everything in Season always on hand

BEAUTIES**The Best. \$3.00 per doz.**Splendid stock in any quantity.
Special price on large order.**SNAPDRAGON****\$6.00-\$8.00 per 100.**Pink, White and yellow. As good
now as any time during the season.**PEONIES****\$8.00-\$10.00 per 100.**We can recommend them to you.
All freshly cut, none from storage.**THE LEO NIESSEN CO.,** Wholesale Florists,
N. W. Cor. 12th and Race Sts.,**Philadelphia, Pa.****EASTER LILIES**

All year round grown by

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The
best on the market for the price. Every facility
for rapid delivery**EVERYTHING
SEASONABLE****THE McCALLUM CO.,** Cleveland, Ohio
Pittsburg, Pa.**NOTES.**

The growers of bedding plants say that this is the best season in their experience. The favorable weather has caused early planting and they are having trouble to get stock for all the orders. One of the growers says that carnations may be kept in good condition for a week or ten days in storage. They are picked from the plants when ready and placed at once, without being dipped in water or sprinkled, in a box well lined with newspapers. When closed up they are placed in a cool cellar. They are taken out when wanted and placed in deep jars of water and in a few hours have swelled up and look as good as if they had just been pulled. Peonies are treated the same way with very good results.

Members of the club who were not at the last meeting missed a great treat. The proceedings are always very interesting, the papers read are of a high class and up to date in every particular, and the discussions bring out the best thoughts of the members. At nearly every meeting prominent members of the trade from out of town are present and their talks are well worth hearing.

At H. A. Dreer's the business of the present season is immense. The demand seems general in all departments and every facility is taxed to the utmost to get the orders out in time.

The Leo Niessen Co. is strong on American Beauty roses, snapdragon and fine carnations. This firm's Mothers' day business was fine, an immense shipping trade being done.

Edward Reid's Mothers' day business was immense. Carnations were a feature, Mr. Reid said. "We expected a large demand, prepared for it and of course we got it."

Berger Bros.' central market sold out clean for Mothers' day. Sweet peas are a feature here. Splendid My Maryland roses are also a leader.

K.

WELCH BROS. CO.American Beauty, Killarney, Richmond, Maryland and all the
Superior Roses, Lily of the Valley, Carnations, Orchids**BEST PRODUCED**

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, May 14.		Per 100
Roses, Beauty, special.	20 00@25 00	
" " fancy	15 00@20 00	
" " extra.	10 00@15 00	
" " No. 1.	7 00@10 00	
" " No. 2.	3 00@5 00	
" " Maid and Bride.	3 00@6 00	
" " Pink Killarney.	3 00@8 00	
" " White Killarney.	3 00@8 00	
" " Richmond.	3 00@10 00	
" " My Maryland.	3 00@8 00	
" " Aaron Ward.	4 00@6 00	
" " Kaiserin.	4 00@8 00	
" " Carnot.	4 00@8 00	
Snapdragon.	4 00@6 00	
Tulips.	1 00@2 00	
Swainsons.	75@1 00	
Carnations.	1 50@3 00	
Lilium Longiflorum.	10 00@12 00	
Lily of the Valley.	3 00@4 00	
Pink Japan Lily.	3 00@5 00	
Jonquils, outdoor.	1 00@1 50	
Mignonette.	2 00@4 00	
Daisies.	1 00@1 50	
Sweet Peas.	35@ 50	
Asparagus, per bunch.	35@ 50	
Asparagus, Sprengerii.	35@ 50	
Ferns.	per 1000, \$2 50	
Galax.	per 1000, \$1 50	
Smilax.	15 00	

BOSTON, May 14.		Per 100
Roses, Beauty, best.	20 00@25 00	
" " medium.	10 00@15 00	
" " culls.	4 00@ 4 00	
" " White and Pink Killarney	2 00@6 00	
" " Extra.	4 00@8 00	
" " Taft.	4 00@10 00	
" " Cardinal.	2 00@10 00	
" " Ward and Hillingdon.	2 00@8 00	
" " Killarney and Richmond.	2 00@8 00	
" " My Maryland.	2 00@8 00	
Carnations, select.	2 00@3 00	
Callas.	8 00@12 00	
Cattleyas.	25 00@40 00	
Gardenias.	12 00@25 00	
Lilium Longiflorum.	6 00@8 00	
Lily of the Valley.	2 00@4 00	
Sweet Peas.	50@ 75	
Smilax.	12 00@16 00	

CINCINNATI, May 14.		Per 100
Roses, Beauty.	per doz., \$1 00@3 00	
" " Bride, Bridesmaid.	3 00@8 00	
" " Killarney.	3 00@8 00	
" " My Maryland.	3 00@8 00	
" " Perle.	3 00@8 00	
" " Richmond.	3 00@8 00	
" " Taft.	3 00@8 00	
Carnations.	2 00@4 00	
Callas.	8 00@12 50	
Lilium Giganteum.	8 00@12 50	
Lily of the Valley.	3 00@4 00	
Tulips.	2 00@4 00	
Spanish Iris.	2 00@4 00	
Sweet Peas.	35@ 1 00	
Outdoor Valley.	1 00@2 00	
Miniature Gladioli.	2 00@4 00	
German Iris.	1 00@3 00	
Asparagus Plumosus.	per bunch, 25	
Snapdragon.	4 00@ 4 00	

Give Us a
Trial
We Can
Please You.Roses, Carnations and all kinds of
Seasonable Flowers in Stock.**WM. F. KASTING CO.** Wholesale
Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.**—THE—**
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

**Jobbers of FLORISTS' SUPPLIES,
SEEDS and BULBS.**

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Sapples

ST. LOUIS, May 14.		Per 100
Roses, Beauty, long.	per doz., 3 00	
Roses, Beauty, medium.	00@15 00	
Roses, Beauty, short stems.	3 00@6 00	
" " Killarney.	00@6 00	
" " My Maryland.	00@6 00	
" " White Killarney.	00@6 00	
Carnations.	2 00@4 00	
Lilium Rubrum.	8 00@ 8 00	
Valley.	4 00@ 4 00	
Sweet Peas.	20@ 60	
Asparagus Sprengerii.	2 00@3 00	
Asparagus Plumosus, per bu.	35@60	
Ferns, New, Fancy.	2 00@ 2 00	
Galax.	per 1000, 1.25	

New York.

BIG SALE OF CARNATIONS.

The sales of carnations for Mothers' day, May 10, was the most important factor in the business of the past week, the preceding days having been very dull. Had it not been for the purchase of about 60,000 carnations by one of the largest department stores to give away to its customers, Mothers' day from a financial standpoint would not have been a great success. As it was, there was a strong demand for these flowers, particularly the white ones, which sold readily at from \$3.00 to \$6.00 a hundred. Some fancy white stock was held at \$8.00 a hundred, but ruling prices were as quoted above. Colored carnations sold at from \$1.00 to \$3.00 a hundred, according to quality. Although the Saturday sales were heavy, there were many carnations in the wholesale district on Sunday morning, May 11. As a wholesaler said on that morning, it seems impossible to create a scarcity in anything any more. The weather of May 10 and 11 was decidedly cooler and if it continues is likely to cause a decrease in the supply, but no scarcity. American Beauty roses have been moving slowly around \$20.00 to \$25.00. A great quantity of tea roses have been going cheap in order to clean them up. Gardenias are being sold on the streets, which explains their status. Peonies in small lots are frequently seen and doubtless within the next two weeks they will be plentiful and crowding the other stock. In sweet peas, stocks, snapdragons and various minor stocks, there is an abundant supply.

Monday, May 12.—While the supply of cut flowers is not heavy this morning, buying is light. There is a surplus of Richmond roses and though good stock is arriving it is hard to move. Carnations are holding up well at \$3.00 per 100, possibly \$4.00 for fancy stock. Some excellent orchid stock is on the market but it moves slowly. There is a falling off in the supply of sweet peas and a slight advance in prices. The weather is clear and cool.

NOTES.

F. R. Pierson, of Tarrytown, was in the rooms of the New York Cut Flower Co. May 8, looking over the improvements that are being made there. As previously reported, the company has signed a lease on the second floor of the Coogan Building, which has been thoroughly renovated and refitted for their accommodation. In a very short time General Manager Joseph Millang, who handles the Pierson stock of roses, will remove with his force to that floor. Moore, Hentz & Nash will also occupy a large section of the same floor.

John Berger, of Berger Bros., Philadelphia, Pa., was in the wholesale district May 9 looking over the prospects for a good supply of white carnations for Mother's day. As Mother's day originated in Philadelphia it is but natural that it should be observed there in a whole-hearted manner. Speaking of Mother's day in general, we doubt if the lady who originated the idea ever dreamed to what extent it would be commercialized. At a time when stock is going to waste the price of white carnations is doubled and often trebled.

Anton Schultheis, of College Point, has a remarkably fine lot of hydrangeas and climbing roses coming on for Memorial day, in addition to much other fine stock. Mr. Schultheis went to Syracuse May 12 as a delegate to the state convention of the Knights and Ladies of Honor.

The new flower and fruit store of John S. Nicholas in the Grand Cen-

tral terminal has been a success from the start, and is a very attractive feature of the place.

We have recently noticed at the store of Walter R. Siebrecht, 129 West Twenty-eighth street, exceptionally fine stock of cattleya orchids.

A committee of the Florists' Club has been given full power to arrange for a flower show to be held next year.

The Lord & Burnham Co. is erecting two new houses for Dailedouze Bros., Flatbush, Brooklyn, 57x200 feet each.

Chas. H. Totty, of Madison, N. J., was in this city May 9 on his way home from a business trip to Boston.

Herman Weiss is now located at 54 West Twenty-eighth street, in the rooms of A. L. Young & Co.

Visitors: Judge Vesey, Fort Wayne, Ind.; Alfred M. Campbell, Philadelphia, Pa.

A. F. F.

Pittsburg.

CARNATIONS STILL HIGH.

With Mother's day over and gone, the prices of carnations are still rather high, but warmer weather is coming soon, and we will find plenty of all kinds of flowers. The weather for the past four days has been very cool. Twenty-eight degrees was the lowest report. The latest arrivals are miniature gladioli, candytuft and peonies. Spanish iris is fine, but not much is seen around the markets. The quality of lily of the valley is fine, and it is here in abundance and finding many sales. With the coming spring weddings, we expect to move much of this. Snapdragon is getting shorter, and it is also very plentiful. Sweet peas are coming in in quantity, but the quality of most of them is ordinary. Carnations are beginning to show their yellow with some growers, but the majority of the stock is of fine quality. In roses American Beauty and Sunburst are very plentiful, and good white is scarce. This city could also stand more longer roses than those coming in, most of them being firsts or seconds. Some very nice lilies are being sold and the price is still fair. Yellow and white daisies are drugs on the market, and many are thrown away. Some very good plumosus is coming in from the south. The reports from the retailers regarding Mother's day were all good, there being just enough stock to supply all orders.

NOTES.

The A. W. Smith Co. is cutting some very fine cattleyas, disposing of 200 weekly at their retail store. They are also the first to show gladioli this year.

Theo. Verscharen has some of the finest bedding stock ever to offer for Decoration day. He says he is not afraid to show it against anyone's for quality.

Ross Adgate, road agent for the McCallum Co., has just returned from a five weeks' trip through the flood district and finds things still in bad shape.

Sam Gideas, of Oakland, is out of the flower business for a short time, and expects to open a nickleodeon on Forbest street.

Chas. Puhlman of Carnegie reports furnishing some very expensive designs for the funeral of a prominent hotel man of that place.

D. T. McCarthy & Sons, of Lockport, N. Y., are consigning some very fancy carnations to the McCallum Co.

Mrs. E. A. Williams is showing a nice window with some fine white peonies as the chief attraction.

Frank Farney, representing the M. Rice Co., Philadelphia, was in town for a few days recently.

Geo. Franks reports business as being very good for his first week in the new stand.

J. Elicker, the Homestead florist, has been extremely busy with funeral work.

The South Hills Floral Co. of Carrick is cutting some nice carnations.

J. B. Murdoch & Co. are cutting some good White Enchantress.

John Martin visited his home in Waynesburg Sunday.

Visitors: Wm. Baird, Greenville; J. A. Keeney, Monongahela; Geo. Huscroft, Steubenville, O.; J. F. Kendall, Tarentum; F. J. Farney, M. Rice & Co., Philadelphia; Jas. Laskey, Uniontown.

J.

New York Florists' Club.

The monthly meeting of the club was held in the Grand Opera House building on the night of May 12, President Siebrecht in the chair. There was a large attendance and much interest was shown. The matter of a suitable badge or button for club members was taken up and disposed of. As adopted, the button will be permanent. The transportation committee reported in regard to the coming Minneapolis convention. It was suggested that the trip be made, in part, by boat to Duluth, the expense being no greater than by rail. The outing committee reported progress, it being understood that arrangements have been perfected for a banner outing on July 1. John B. Nugent, Jr., for the dinner committee, reported the annual dinner a success.

Richard Vincent, Jr., ex-president of the S. A. F., was present and made a stirring address on the pending tariff bill. There was considerable discussion in regard to flower shows, past and prospective, in which Patrick O'Mara, Chas. H. Totty, W. A. Manda, Jos. A. Manda and others took part, and a committee was appointed to arrange for an exhibition in 1914. A number of new members were elected. The house committee furnished the usual refreshments.

A. F. F.

Cincinnati.

WEEK VERY GOOD.

Taken as a whole last week was a very good one. Monday opened with a very brisk business. The succeeding days up through the middle of the week showed a very noticeable falling off in demand. From then on, however, the demand for flowers for Mothers' day came on very strong and the week finished up in good shape with practical clearances in everything. The Mothers' day demand was the best this market has had up to this time. The florists, however, need be careful lest they kill this demand, at least locally. The great call was of course for white carnations. The other carnations, too, came in for their full share. It is this very demand for carnations alone that is likely to kill the day, at least in this city, because no matter how liberal the ultimate consumer is when he buys a thing one day and pays a certain price and goes back the next day and pays double the previous day's price for the same flower, he will naturally sit up and take notice. If the salesmen would devote a large part of their energy towards selling all kinds of flowers for a day like this instead of the one flower the demand would naturally cover a larger field. The increase in prices will be a natural increase which cannot but seem reasonable to the customers. A system of this kind should keep Mothers' day on a good sound basis and help to make the day one of the

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NEW YORK

WASHINGTON

OFFICIAL

S. A. F.

Shipping Labels



S. S. Pennock-Meehan Co.

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PERCY B. RIGBY, Treasurer.

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FOR CUT FLOWERS: in two colors on gummed paper: your card, etc., in black and leaf adopted by the S. A. F. in red. Price per 500. \$2.85; per 1000. \$4.50. Samples on request. Electro of leaf. postpaid, \$1.25. Cash with order.

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Telephone 117 Flatbush

SEASONABLE STOCK

For MEMORIAL DAY

G. MESSEBERG

FLORIST

East 39th Street and Lennox Road
BROOKLYN, NEW YORK

Mention the American Florist when writing

extraordinary good ones for the florists. Shipping business is very good. The call from out of town has kept up steadily. Last week, of course, it was very heavy on account of Mothers' day. It has, however, kept up nicely without these special days. The supply of every seasonable flower is adequate. The carnation market will be tight the early part, but by the middle of the week should resume its usual condition. Peonies are in.

NOTES.

The Flower Market was hit very hard by the strike on Saturday when the street cars were tied up completely by the striking of the motormen and only a very ordinary number of cut flowers were sold, while the sale of plants was extremely limited. The day's business served to show that quite a large number of the patrons of the Flower Market are suburbanites. The car strike prevented a Florists' Club meeting. Only four were present.

Three local florists have recently acquired autos. Max Rudolph and Frank Schneider have each a Ford. William Pfeiffer of Ft. Thomas has an Overland.

Miss Margaret Anstead of E. G. Gillett's is convalescing rapidly at her home.

Tom Windram was the first local grower to cut peonies this season.

C. E. Critchell received some very nice gladioli from the south last week.

H.

Forced Shrubs Planted Outdoors.

EDITOR AMERICAN FLORIST:

I notice that many plants forced in greenhouses become soft in the store, and often the leftover ones are thrown away because it is believed that they are not hardy and will not grow in the open ground. Last year I tried several lilacs like this and they grew nicely. On the other hand, some forced cherry and peach trees, florists' stock, died. Are such cherry and peach stock, sold by florists, not hardy and capable of being grown in the open? Cherry and peach trees can be bought cheap from the big florists, but I should be glad to know whether they will grow outdoors in this climate. Also, please tell me how to grow Iris Kampferi from seed imported from Japan.

H. S.

New York.
Lilacs after being forced can be planted out with safety. It usually

Paul Meconi

Wholesale Florist

55-57 West 26th Street
NEW YORK CITY

Telephone: 3864 Madison Square

Wholesale Flower Markets

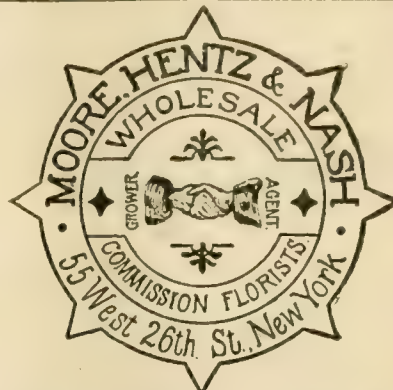
	NEW YORK, May 14.	Per 100
Roses, Beauty, special.....	15	90@20 00
" " extra and fancy ..	10	00@15 00
" " No. 1 and No. 2.....	1	00@3 00
" " Bride, Bridesmaid special.....	3	00@4 00
" " extra and fancy.....	2	00@3 00
" " No. 1 and No. 2.....	50	@1 00
" " Killarney, My Maryland.....		
" " special.....	5	00@6 00
" " extra	3	00@4 00
" " No. 1 and No. 2	1	00@3 00
" " Queen, special.....	7	00@10 00
" " Red, special.....	7	00@9 00
" " Hillingdon, Aaron Ward.....	6	00@8 00
" " Richmond.....	50	@8 00
" " Sunburst, special.....	6	00@8 00
" " Taft, special.....	9	00@12 00
" " Mrs. Geo. Sawyer, special.....	10	00@20 00
Carnations.....	1	00@3 00
Jonquils.....	1	00@2 00
Cattleyas.....	25	00@60 00
Gardenias.....	1	00@10 00
Tulips.....	1	00@3 00
Lilies, Longiflorum and Harrisii.....	6	00@8 00
Lily of the Valley.....	1	00@2 50
Sweet Peas, per doz. bunches.....	50	@75
Adiantum Croweanum.....	15	@50
Asparagus Plumosus, doz. bchs.....	1	50@3 00
Smilax.....per doz. strings.....	1	00@1 25
Lilac.....per bunch.....	25c	
Stocks.....per bunch.....	29c@40c	
Snaptags.....per doz.....	25c@1 00	

takes two years before they fully recover. Cherries and peaches suffer a good deal more by forcing and although they are generally hardy stock it is difficult to make them survive the forcing process. By leaving them in the pots and plunging the pot entirely below the surface and giving some protection from sunshine until they begin to grow you may succeed in saving some. It is better, however, to purchase nursery stock at planting time.

Sow the seed of Iris Kampferi in a shallow pan, using some sphagnum on the bottom. Cover this with roughly broken turf and place a layer of sand one-half inch deep on top. Cover the seeds deep enough to hide them. This being a sub-aquatic, it requires copious supplies of water. By placing the pan in water one-half inch deep the supply is just about right. As soon as the seedlings begin to show give them full exposure to light and when strong enough prick out in boxes. They will require care for at least one year before being fit to plant in the border.

C.

OAKLAND, CALIF.—Total sales were larger by 15 per cent than for Easter, 1912, with prices about the same, report Clarke Bros. The supply of lily plants was very short as were azaleas. Cut lilies were not to be had except in limited quantities. Carnations and roses were also scarce. All plants with the exception of hyacinths sold well. Cut flowers cleaned up in good shape. The scarcity of lilies, which was greater than ever before, was caused by bulb disease, only giganteum escaping.



HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

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WM. A. KESSLER

Successor to Kessler Bros.

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Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.
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Guttman Flower Growers Co.

A. J. GUTTMAN, President.

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The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

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119 West 28th Street NEW YORK

M. RICE CO.

Decoration Day Supplies

Metal Wreaths and Crosses, Cycas and Magnolia Wreaths, Magnolia Leaves, Oak Leaves and Sprays, Wire Designs, Ribbons, Plain and Fancy Chiffons. Everything for Florists.

1220 Race Street, PHILADELPHIA, PA.

Clean Sphagnum Moss

F. O. B. CHICAGO

10 Burlap Bales \$12.50
10 Wired Bales (large) 11.00

Write for prices on 25 to 100 bale or Carload lots, f. o. b. Wis. Moss Factory or f. o. b. Chicago.

Vaughan's Seed Store
CHICAGO

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreens

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

Sphagnum Moss

NEW STOCK. 12 Bbl. Bale, \$4.50

Nothing Better on the Market
Can Ship at Once : : : :

JAMES DAY, Milford, N. H.

Montreal, Que.

FROST FOLLOWS WARM WEATHER.

During the warm weather of the last couple of weeks trade in bedding plants has been quite active. Even tomato plants were demanded and sold, but the last few nights heavy frosts have been the order, and anything left unprotected undoubtedly must have been killed. Carnations planted in the field fared badly. Firing has been resumed at night, but the days are sunny and bright. Rain is badly wanted. Horse show week made a big demand on cut flowers for the table and for decorations. The use of flowers is on the increase in connection with advertising in the show windows of the large department stores.

CLUB MEETING.

The Montreal Gardeners and Florists' Club met last Tuesday for the first time in the new quarters, Unia Hall, Sherbrooke street west. Many old members were present. All expressed satisfaction with the new meeting place, and all who had been denied the privilege of a smoke in the old hall enjoyed themselves to their hearts' content. J. Kean, manager of the St. Bruno Floral Co., exhibited a collection of carnations which were awarded the club's certificate of merit. Mr. Kean was told by some of those who had seen the carnations in New York

Do Not Take Any Fake Green Thread. Use the Genuine Silkline and Get More Thread and Less Wood.



JOHN C. MEYER THREAD CO.,

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes

The MEYER Green

SILKALINE

Used by Retail Florists for mossing funeral designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it will not fade or rot in the greenhouse. The Meyer Silkline was the first green thread to be introduced among Florists and Growers. It is handled by the best houses everywhere, but it should be ordered by name—Meyer's Silkline—to be sure of getting the genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the manufacturers. Price for any size or color, \$1.25 per lb. Sizes "F" fine, "FF" medium, and "FFF" coarse

Lowell Thread Mills, Lowell, Mass.
1495 Middlesex St., Lowell, Mass.



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

GOLDFISH



"Something Alive in the Window"

Catches the public eye.
Order your supply now.

Asstd. sizes, Medium and Large, \$7.00 per 100.

Write for catalog.

AUBURNDALÉ GOLDFISH CO.

1449 Madison Street,

CHICAGO

that he could have taken honors with them at the International Flower Show. Comfort was recommended as the best red. It was decided to hold, as usual, an annual picnic. Alderman C. A. Smith, of Lachine, offered the use of that city's public park, which proposal the executive committee will consider. Jas. McKenna sent greetings to the members from the hyacinth fields of Holland.

NOTES.

The caterpillars are worse than ever this year. Although the civic authorities and everybody else, including the newspapers, are thoroughly aroused and spending a lot of money for insecticides, and extra help to exterminate the pest, very little seems to have been accomplished, as they are everywhere, on shrubs, fruit and shade trees. It was hoped that the recent night frosts would kill them, but today, during the sunny hours, they are as lively as ever.

T. Martel will undertake this summer a trip to Holland, France and England.

New Crop Fancy and Dagger Ferns

Huckleberry Foliage now ready.

Price, Huckleberry, \$2.00 per case; Fancy Ferns, \$1.25 per 1000; Dagger Ferns, \$1.10 per 1000.

Caldwell the Woodsman Co.

Everything in Southern Evergreens
EVERGREEN, ALABAMA.

HUCKLEBERRY FOLIAGE \$2.00 per case

FANCY FERNS, \$1.25 per 1000

DAGGER FERNS, \$1.10 per 1000

Perpetuated and Natural Sheet Moss.

E. A. BEAVEN, Evergreen, Ala.

MOSS

We have a surplus of 12 barrel bale New Jersey Moss, clean, fresh and burlapped, and will deliver anywhere in Chicago, express prepaid, at \$5.00 per bale, 2 or more bales at \$4.75. By freight collect at 25c per bale less. Satisfaction guaranteed or money refunded.

KLEHMS' NURSERIES, Arlington Heights, Ill.

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

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SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.

JAS. E. PINKSTON, Louisville, Ala

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DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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2 STORES 2

 SUPERIOR, WIS.

J. J. LEBORIUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

Chicago.

Established in 1857.



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L. D. Phone, Graceland 1112.

Send us your retail orders.

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**Floral Designs and
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We are in position to fill promptly all Mail,
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best quality stock in season

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GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street

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Order Your Flowers for delivery
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LEADING FLORISTS OF THE NORTHWEST

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A. LANGE,

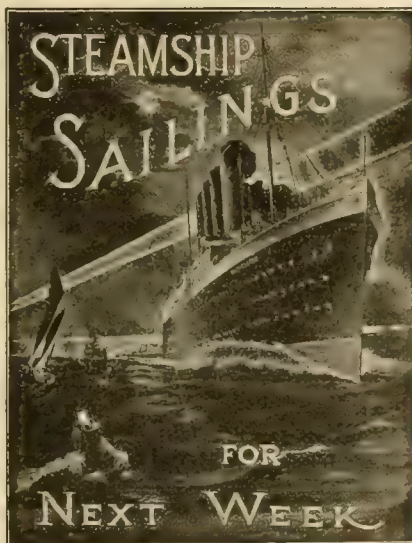
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Chicago. Des Moines.

ALPHA FLORAL CO.

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623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.



Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

May 20.

Ryndam, Holland-America, 10 a. m.
Kaiser Wilhelm der Grosse, North Ger.-Lloyd,
10 a. m.
Devon, Norton.

May 21.

Caronia, Cunard.

May 22.

Campanello, Uranium.
Adriatic, White Star, 12 noon.
Amerika, Ham.-Amer., 10 a. m.

May 23.

New York, American, 10 a. m., Pier 62, North
River.
FROM PHILADELPHIA, Manitou, Red Star,
10 a. m.

May 24.

Columbia, Anchor, 11 a. m., Pier 64, North
River.
Calabria, Anchor, Pier 64, North River.
Ivernia, Cunard.
FROM QUEBEC, La Touraine, French.
Finland, Red Star, 10 a. m., Pier 61, North
River.
Olympic, White Star, 12 noon.
Princess Irene, North Ger.-Lloyd, 11 a. m.

May 25.

FROM MONTREAL AND QUEBEC, Lake Mani-
toba, Can. Pacific.
Adriatic Prince, Prince.
Karonga, Norton.

Alexander McConnell,

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Cable address: ALEXCONWELL,
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All orders filled carefully and promptly deliver-
ed in Memphis and all the adjoining states,
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To out-of-town florists
We are in the Heart of NEW YORK

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orders. Prompt delivery and best
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**The Texas Seed and
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Orders for cut flowers and designs solicited for
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Buffalo, Niagara Falls, Lockport.

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60 KEARNEY STREET

DESIGNS OR CUT FLOWERS

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Established 1874.

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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

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We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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**WILLIAM L. ROCK
Flower Co.**

Will execute orders for any
town in

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W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

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La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40
LONG DISTANCE No. 40

Careful Attention To All Orders.

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Atlanta Floral Co.

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1501 and L 1582

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Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
California Florists, Tacoma, Wash.
Carbone, Philip L., Boston.
Clark's Sons, New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyes, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, Tenn.
Halsch's, Memphis, Tenn.
Hehl & Son, J. C., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthewson, J. E., Sheboygan, Wis.
May & Co., L. L., St. Paul, Minn.
Messeberg, G., Brooklyn, N. Y.
McClunite, Geo. G., Hartford, Conn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Nicholas, John S., New York.
Ostertag Bros., St. Louis.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pellicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Philips Bros., Newark, N. J.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Portland Flower Store, Portland, Me.
Rock Flower Co., Wm. L., Kansas City.
Sank, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Weber, Fred. C., St. Louis.
Wills & Segar, London, England.
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Wittbold, 56 E. Randolph St., Chicago.
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Corner Broadway and Gratiot Avenues.

Artistic Designs.**High Grade Cut Blooms.**

We cover all Michigan points and good
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**WASHINGTON
D. C.****Gude's**

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Samuel Murray,

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J. A. VALENTINE,
President.

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CALIFORNIA

PELICANO, ROSSI & CO.,
123 KEARNY ST.

Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

FRED C. WEBER

SELLING FLOWERS
40 YEARS

4326-28 Olive Street

Notice initials—we have one store only.

Member Florists' Telegraph Delivery Association

ST. LOUIS, MO.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Mention the American Florist when writing

M. A. Bowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Hartford, Conn.

GEORGE G. McCLUNIE

187 Main Street

'FLOWERS' Your Orders Solicited

My Only Store. Phone Charter 6535-2

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.

Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE

Montreal

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.**City Index to Retail Florists'
Filling Telegraph Orders.**Albany, N. Y.—Eyes, 11 N. Pearl St.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Penn. the Florist, 43 Bromfield St.
Boston—Phillip L. Carbone.Brooklyn, N. Y.—G. Messelberg.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.Chicago—A. Lange, 25 E. Madison St.
Chicago—Mangel, 17 E. Monroe St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's 56 E. Randolph.Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Hartford, Conn.—Geo. G. McClunie.
Indianapolis—Bertermann Bros. Co., 214 Mass.Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Memphis, Tenn.—Haisch's.Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.Newark, Ohio—Chas. A. Duerr.
Newark, N. J.—Phillips Bros.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.New York—Max Schling, 22 W. 59th St.
New York—John S. Nicholas.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Portland, Me.—Portland Flower Store.
Poughkeepsie, N. Y.—The Salford Flower Shop.Rochester, N. Y.—J. B. Keller's Sons.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
Sheboygan, Wis.—J. E. Matthewson.
St. Louis, Mo.—Ostertag Bros.St. Louis—Fred. C. Weber.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.San Francisco—Pellicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.Terre Haute, Ind.—J. G. Heint & Son.
Tacoma, Wash.—California Florists.
Toledo, O.—Mrs. J. B. Freeman.Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Blackstone.
Washington—Geo. H. Cooke, Conn. Ave. and L.

Washington—Gude Bros.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

San Francisco

Podesta & Baldocchi

224 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES
FLORIST,

Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.**Ostertag Bros.**

The Largest Retail Supply House in the West.

Jefferson and Washington Ave.

Albany, N. Y.

EYES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**
96 Yonge Street.We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.Will take proper
care of your orders in **Wisconsin**

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 3159
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Melal)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK
No. 22 West 59th Street
Adjoining Plaza Hotel

In the Heart of New York
NEW FLOWER AND FRUIT STORE
JOHN S. NICHOLAS
42nd St. and Park Avenue
Grand Central Terminal
New York City

The Old Established High Class Florist
Has opened a magnificent flower and fruit establishment on the Forty-second street side of the New Grand Central Terminal Station, New York City. The facilities of this store for the satisfactory execution of mail, telephone and telegraphic trade orders at steamers, and elsewhere in New York City and its suburbs are unsurpassed.

Mention the American Florist when writing

Boston, Mass.

Philip L. Carbone

IMPORTER

Florist and Decorator

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

PHILIPS BROS, 938 Broad St.

NEWARK N. J.

Artistic Floral Work and Long Stem
Beauties Our Specialty.

Mention the American Florist when writing

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

Mention the American Florist when writing

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Mention the American Florist when writing

Tacoma, Wash.

California Florists

will take care of all telegraphic orders

Mention the American Florist when writing

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Mention the American Florist when writing

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan

Mention the American Florist when writing

Kansas City, Mo.

**Geo. M. Kellogg
Flower & Plant Co.**

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

Louisville, Ky.

**F. Walker & Co.,
FLORISTS**

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
CANAL ST.

Washington, D. C.

Blackstone.

14th and H. Street.

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries
throughout the state and to all steamship docks
in Hoboken, N. J., and New York.

For Wisconsin Delivery

—OF—

"HOME GROWN FLOWERS"

Get in touch with

J. E. Matthewson
SHEBOYGAN, WISCONSIN



Newark, Ohio.

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Special Wholesale Price List of Boxwoods AND Bay Trees

Palms and Other Choice Decorative Stock.

All this stock is of exceptionally fine quality and a big bargain at the prices quoted. Make up your order from this list and you will never have any trouble with dissatisfied customers. Stock up now for future sales.

Boxwoods.

Pyramids—	Each
2 to 2½ feet.....	\$1.25
2½ to 3 feet.....	1.75
3 to 3½ feet.....	2.50
3½ to 4 feet.....	3.00
4 to 4½ feet.....	4.25
4½ to 5 feet.....	5.00
5 to 6 feet.....	6.00
Globular—2 feet.....	\$1.25 to \$2.50

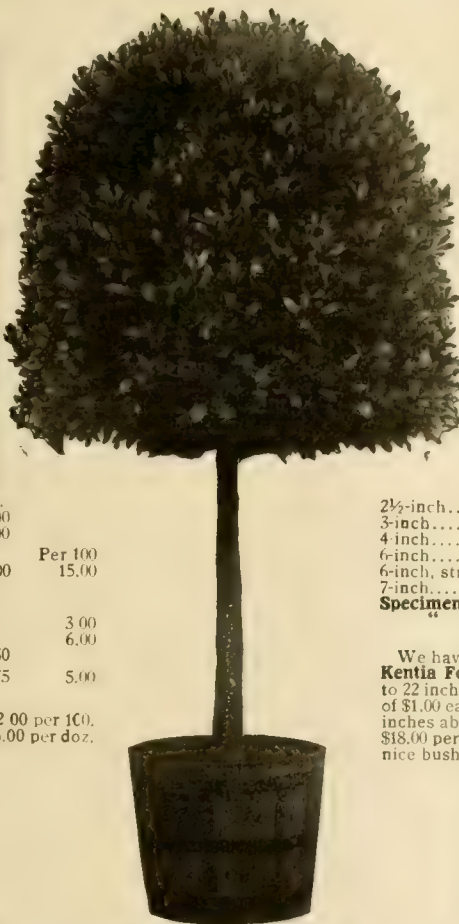
Standards—	Each
15 to 18-inch.....	\$2.25
18 to 21-inch.....	2.75
21 to 24-inch.....	3.50
Obelisk, 5-ft.....	Each, \$12.00
Globe Shaped, 2-ft.....	4.50
12-15-inch.....	Each, \$2.00 to 2.50
2-ft.....	3.00 to 5.00
Bushes, 12-in.....	30
2 to 2½ ft.....	1.50
2½ to 3 ft.....	2.50

MISCELLANEOUS

Aucuba, large.....	Each, \$3.00 to \$3.50
Aucuba Japonica, 2-ft.....	1.00
Aucuba Type, 2-ft.....	1.00
Conifers, assorted, 18-24 in.....	1.00
3-3½ ft.....	1.50
Araucaria Excelsa—	Each
6-in., 4-5 tiers.....	\$1.00
7-in., 4-5 tiers.....	1.50
Areca Lutescens—	Doz.
3-in., 3 plants in a pot.....	2.00
6-in.....	1.50
Asparagus Plumosus—	Doz.
2-in.....	3.00
3-in.....	6.00
4-in.....	1.50
Asparagus Sprengeri, 3 in.....	.75

DRACAENA INDIVISA

2-in., \$3.00 per 100; 3-in., \$5.00 per 100; 4-in., \$12.00 per 100.
5-in., \$3.00 per dozen, \$20.00 per 100; 6-in., \$6.00 per doz.
8-in., 3-ft. high, \$1.00 to \$1.50 each.



Bay Trees—Standard

Stem	Crown	Each
12-14-inch	18-in.	\$4.00
2-ft.	12-in.	\$4.00
2-ft.	18-in.	5.00
1-ft.	24-26-in.	6.00
3-ft.	20-22-in.	6.00
2 ft. 4-in.	24-28-in.	7.00
3-ft.	26-in.	7.00
4-ft.	3-ft-6 in. to 3-ft-10 in.	15.00

PYRAMIDS

5-ft. high.....	\$ 8.00	6-ft. high.....	\$12.00
7-ft. high.....	15.00	9 ft. high.....	20.00

KENTIA BELMOREANA

Size	Leaves	Ht.	Each	Doz.	Per 100
2-in.	4	8-in.	\$1.50	\$12.00	
3-in.	4-5	8 10-in.	2.00	15.00	
4-in.	4-5	12-in.	3.60	30.00	
5-in.	5-6	15 18-in.	6.00	50.00	
6-in.	6-7	20-22-in.	1.00	12.00	
6-in. strong.	5-6	18 20-in.	\$ 1.50	18.00	
7-in.	6-7	26-28-in.	2.00	24.00	
7-in. strong.	6-7	22-24-in.	2.50	30.00	
Made up 3 in pot.		28-30 in. high	2.50	Each.	

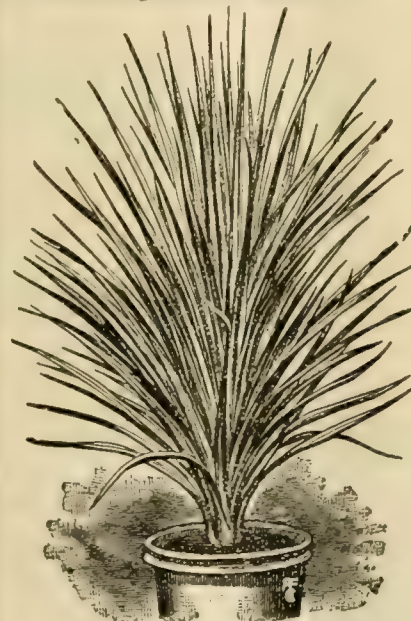
Latania Borbonica, 5-in.....	\$ 5.00 Doz.
6-in.....	\$9.00 Doz.
7-in.....	12.00 Doz.

PHOENIX ROEBELENI

Size	Each	Doz.	Per 100
2½-inch.....	\$ 2.00	\$20.00	
3-inch.....	3.00		
4-inch.....	\$0.50	6.00	
6-inch.....	12.00		
6-inch, strong.....	18.00		
7-inch.....	\$2.50 and 3.00		
Specimens, 7 in. extra strong.....	4.00 each.		
8 in. extra strong.....	5.00 each.		

SPECIAL ON MADE-UP KENTIAS

We have an exceptionally large stock of 6 and 7-inch Kentia Forsteriana, 3 plants in a pot. The 6-inch are 18 to 22 inches above pot, on which we make a special price of \$1.00 each, \$12.00 per dozen. The 7-inch are 28 to 32 inches above pot, 3 in a pot. A special price of \$1.50 each, \$18.00 per dozen is offered on these. Remember these are nice bushy plants, just what you need for decorating.



KENTIA FORSTERIANA

Size	Leaves	Ht.	Each	Doz.	Per 100
2-in.	4	8-10-in.	\$1.50	\$12.00	
3-in.	4-5	12 14-in.	2.00	15.00	
4-in.	4-5	14 16-in.	4.50	35.00	
5-in.	5-6	16 18-in.	6.00	50.00	
5-in. strong.	5-6	20-24-in.	.75	9.00	
7-in.	5-6	36-38-in.	2.50		
8-in.	5-6	40-44-in.	5.00		
8-in. strong.	5-6	46-50-in.	7.00		
9-in.	6-7	60-in.	8.00		
Specimens, 6-ft. high.....			9.00		
Specimens, 7 ft. 6-in. high			15.00		

Made Up.

Made Up.	Each
6-in., 3 in a pot, 18-22-in. high.	\$ 1.00 and \$1.50
7-in., 3-4 in a pot, 24-30-in. high.	2.50
8-in., 3-4 in a pot, 40-45-in. high.	6.00
10-in., 4-5 in a pot, 58-60-in. high.	10.00
12-in., 4-5 in a pot, 62-70-in. high.	15.00
Specimens, 6½ ft. high, 4 in a tub.	Each, \$18.00
Specimens, 7½ ft. high, 4 in a tub.	Each, 25.00

PHOENIX RECLINATA

Size	Each	Doz.
5-in.....	\$ 6.00	
6-in.....	\$0.75	9.00
7-in., 24 in. high.....		12.00



The Geo. Wittbold Co. —L. D. PHONE, GRACELAND 1112— **Chicago**
737-39 Buckingham Pl.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

JESSIE E. NORTHRUP'S condition remains unchanged.

THE death of Alex. L. Don, of Weeber & Don, New York, is recorded in our obituary column this week.

BISMARCK, N. D.—O. S. Will reports that garden seed trade has been good but field seed business rather poor.

WE have it on excellent authority that one section of the new Minnesota seed law is plainly unconstitutional:

TUBEROSE bulbs this year have suffered more than usual from rot in storage and it is believed that the growers could cure the bulbs more carefully than most of them do.

CHICAGO seedsmen held a meeting at the LaSalle hotel May 12 and discussed the ways and means of preventing injurious seed legislation and of amending the proposed Illinois seed law.

VISITED CHICAGO: C. C. Massie of Northrup, King & Co., Minneapolis, Minn.; J. Chas. McCullough, Cincinnati, O., with wife and daughter, returning from California; A. J. Brown, Grand Rapids, Mich.

CHICAGO.—Prices on the Board of Trade May 14 for grass seed were noted as follows: Timothy, \$3 to \$4 per 100 pounds.—Geo. S. Green of the Illinois Seed Co. was at Springfield this week looking after the interests of seedsmen in the proposed seed legislation.

OMAHA, NEB.—The De Georgi Bros. Co., doing a general seed, nursery stock and plant business, has filed articles of incorporation to take effect July 1. The capital stock is given as \$25,000, and the directors are Ferdinand De Georgi, Vaclav Fuks, Joseph F. Pribyl, F. E. Britton and Vaclav Tosar.

REPORTS from California indicate that the sweet pea crop will not be over 25 per cent of anticipated yield, perhaps not that much. Lettuce and leek will do no better, if as well. Edible round-pod pole beans will all be greatly reduced as these will not be planted to their full extent for want of rain, and if the dry conditions continue, all the California crops will be reduced to a great extent.

French Bulbs.

The French bulb situation has changed materially, especially in regard to Roman hyacinths, since our last issue. Jobbers asking prices are much mixed, some naming a figure as high as 120 francs for the 12-15 centimeter grade, others offering the same at from 102 to 115 francs. The fact is that the rain came too late and this crop did not get much benefit therefrom. Romans will be worth as much more in the United States as the cut-flower growers can afford to pay. Dutch dealers will make very light deliveries on their Roman contracts.

STURGEON BAY, WIS.—Frank C. Blakefield, who has been in southern Michigan since last January in the interests of the John H. Allen Seed Co., returned the latter part of the week. He reports that all the contracts have been made for the raising of peas in that vicinity, so that he will be at home until the season for roguing comes on. He looks for a good season in his line.

Horticultural Society of New York.

Clusters of gigantic lilacs of the deep purple color of Chamberlain wine brought forth exclamations of delight from the hundreds of flower lovers at the flower show of the Horticultural Society of New York which opened May 10 in the museum building of the New York Botanical Garden, in Bronx Park. The lilacs, which professional and amateur growers alike pronounced remarkable both for size and color as well as fragrance, were grown by T. A. Havemeyer, at Glen Head, L. I., and were a part of a large exhibition of flowering trees and shrubs grown on his estate. The blossoms when fully opened are nearly as large as a fifty-cent piece, and their heavy rich color makes the ordinary lilac appear pale and bleached.

In Mr. Havemeyer's collection were some remarkable specimens of arbutus, wistaria and tulips, which aroused general admiration from the five hundred or more persons who attended the exhibition in the afternoon, but next to the lilac display, interest centered in the red and yellow calceolarias exhibited by Mrs. F. A. Constable, and the pelargoniums also grown by Mrs. Constable.

There were other exhibits of shrubs, trees, flowers in pots, vases, climbing and cut flowers and wild flowers offered by F. R. Pierson, of Tarrytown; Mrs. A. M. Beoth and Louis C. Tiffany. The premiums awarded May 10 were:

Collection of shrubs and trees.—T. A. Havemeyer, first; F. R. Pierson, second.

Collection of tulips, largest and finest display.—Mrs. A. M. Beoth, first; T. A. Havemeyer, second.

Six pots of pelargoniums.—Mrs. F. A. Constable, first.

Six pots of calceolarias.—Mrs. F. A. Constable, first; Louis C. Tiffany, second.

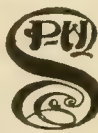
Westchester and Fairfield Hort. Society.

The regular monthly meeting of this society was held in Doran's hall, Greenwich, Conn., May 9, Robt. Williamson presiding. The busy time

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Palo Alto,
Calif.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

which is experienced by all at this season had no doubt a little bearing on the attendance, which was not as large as is usual at the meetings. Messrs. Forster and Flaherty were elected on the executive committee in place of H. Wild, elected vice-president and James Aitcheson, resigned. A fine display of spring flowers was very prominent at this meeting, and received the judges' decision as follows:

Robt. Williamson, highly commended for collection of flowering shrubs.
James Stuart, highly commended for Calceolaria Stewarti.

A. L. Marshall, highly commended for Miltonia vexillaria.

Anthony Pederson, honorable mention for vase of campanulas.

Geo. E. Baldwin, honorable mention for white Cattleya mossiae.

Adam Patterson, cultural certificate for collection of sweet peas.

F. Weiss, vote of thanks for Darwin tulips.

P. W. Popp, vote of thanks for standard Streptosolen, an old favorite but seldom met with.

A. Anderson, vote of thanks for tulip Gesneriana major.

John McAllister, vote of thanks for Darwin tulips.

Anthony Pederson, vote of thanks for vase of cactus.

A. L. Marshall, vote of thanks for tree peonies and tulips; honorable mention for vase of gladiolus Augusta.

Dehn & Bertolf, vote of thanks for Trollius Europeanus and Japonica fl. pl., Centaurea Montana and Dielytra spectabilis.

As the schedule for the summer show has been mailed to all the members, the society is hoping every member will make a special effort to compete for some of the prizes offered, so as to help make the show a success.

OWEN A. HUNWICK, Sec'y.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE.

Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

PEAS, BEANS, CUCUMBER

Growers for the Trade.

Ask for our growing prices for crop 1913
Peas, Beans and Cucumber Seed.

Also for prices for immediate shipment.

Alfred J. Brown Seed Co.,

Grand Rapids, Mich.

BRASLAN SEED GROWERS COMPANY, INC.

ONION, LETTUCE, CARROT and RADISH SEED

San Jose, California

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers

SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS

Seed Growing in the United States.

Grass Seed and Flower and Vegetable Seeds.

[Table No. 1. From the Census of 1910].

TABLE No. 1 presents statistics of grass seed and flower and vegetable seeds, by states. As already stated, the acreage from which grass seed and flower and vegetable seeds were raised has not been tabulated. In some cases such acreage was not reported, and in many other cases it would represent a duplication of the acreage reported for hay and forage, flowers and plants, and vegetables. The reported production of flower and vegetable seeds doubtless represents chiefly that of farms producing such seeds for sale, small quantities raised by farmers for their own use presumably being often, if not generally, omitted. Since statements of quantity for all classes of flower and vegetable seeds combined would obviously have no significance, only the total value of these seeds is shown in Table 1. For the country as a whole the value in 1909 was \$1,411,013. The most important states in the production of such seeds in 1909 were California, Illinois, New York, and Ohio.

STATE.	GRASS SEED.		FLOWER AND VEGETABLE SEEDS	
	Production (bushels).		Value.	
	1909	1899	1909	1899
UNITED STATES..	6,671,348	4,865,078	\$15,137,683	\$8,228,417
NEW ENGLAND:				
Maine.....	527	936	1,544	3,810
New Hampshire.....	112	17	556	121
Vermont.....	601	168	1,538	296
Massachusetts.....	3,397	167	4,163	387
Rhode Island.....	19	536	39	1,235
Connecticut.....	765	314	2,429	248
MIDDLE ATLANTIC:				
New York.....	17,879	11,449	88,239	47,790
New Jersey.....	12,804	5,187	14,799	2,795
Pennsylvania.....	24,454	50,122	116,108	182,500
E. NORTH CENTRAL:				
Ohio.....	288,605	388,721	1,352,136	1,418,689
Indiana.....	165,488	525,145	765,041	1,820,149
Illinois.....	1,289,996	552,705	7,119,420	650,463
Michigan.....	151,567	88,541	964,655	315,000
Wisconsin.....	262,301	141,766	1,499,401	446,730
W. NORTH CENTRAL:				
Minnesota.....	945,666	561,973	1,496,438	529,301
Iowa.....	1,118,941	1,292,072	1,721,289	1,215,763
Missouri.....	257,872	278,497	756,445	423,395
North Dakota.....	74,162	14,645	99,024	10,054
South Dakota.....	424,623	80,196	594,570	30,141
Nebraska.....	120,423	49,972	451,347	69,782
Kansas.....	324,231	281,388	706,397	292,597
SOUTH ATLANTIC:				
Delaware.....	5,878	3,515	29,928	14,290
Maryland.....	15,080	11,100	72,785	46,780
Virginia.....	49,031	25,104	74,979	40,600
West Virginia.....	2,645	4,384	8,726	16,109
North Carolina.....	2,071	1,646	4,963	3,921
South Carolina.....	314	221	450	243
Georgia.....	2,197	506	2,508	442
Florida.....	1,136	37	4,290	37
E. SOUTH CENTRAL:				
Kentucky.....	612,406	278,680	538,219	198,793
Tennessee.....	58,486	84,366	92,386	104,477
Alabama.....	537	876	1,110	1,027
Mississippi.....	361	509	1,028	1,032
W. SOUTH CENTRAL:				
Arkansas.....	1,180	500	4,893	2,039
Louisiana.....	11,268	271	30,343	500
Oklahoma.....	25,825 (1)	4,813	149,070 (1)	3,382
Texas.....	21,351	20,492	39,135	13,974
MOUNTAIN:				
Montana.....	14,204	1,226	96,103	3,682
Idaho.....	30,463	3,505	172,012	13,785
Wyoming.....	17,411	5,080	85,120	20,206
Colorado.....	51,208	13,635	162,822	53,295
New Mexico.....	9,092	45	46,935	320

(1) Includes Indian Territory.

[Table No. 1—Continued. From the Census of 1910].

STATE.	GRASS SEED.		FLOWER AND VEGETABLE SEEDS	
	Production (bushels).		Value.	
	1909	1899	1909	1899
MOUNTAIN—Con.				
Arizona.....	22,598	1,752	\$150,840	\$ 6,958
Utah.....	52,604	35,367	313,814	127,988
Nevada.....	530	157	3,393	938
PACIFIC:				
Washington.....	3,355	837	9,388	1,546
Oregon.....	151,016	26,385	384,852	21,460
California.....	25,535	15,522	206,034	69,367

Minor Seeds—Acreage, Production and Value: 1909.

[Table No. 2. From the Census of 1910].

Table No. 2 shows, for 1909, the acreage, quantity, and value of the minor seeds produced in the United States as a whole and in the states which lead in the production of each kind. Mustard seed is used mainly as a condiment and sunflower seed probably largely for poultry feed, but the other classes of seed are for the most part raised for the purpose of planting.

It is probable that the quantities reported do not represent the entire production of these classes of seeds, as they were not listed by name in the census schedule. The combined acreage of all these classes of seeds in 1909 was only 81,308, and the total value \$768,025. Of the total acreage reported, 72,497 were devoted to sorghum cane seed. The quantity produced was reported to be 833,707 bushels, valued at \$544,322. Kansas, Nebraska, Texas, and Oklahoma lead in production.

It is believed that in most cases the acreage shown in this table for seeds is separate from and additional to the acreage of the corresponding products, and therefore does not involve duplication.

KIND OF SEED AND STATE.	Acreage.	Production (bushels).	Value.
Total.....	81,308	.....	\$768,025
Sorghum cane seed, total.....	72,497	833,707	544,322
Colorado.....	704	9,147	5,799
Illinois.....	155	3,122	1,884
Kansas.....	53,706	656,522	404,329
Missouri.....	456	6,654	4,775
Nebraska.....	7,209	83,134	16,899
New Mexico.....	193	1,621	1,248
Oklahoma.....	4,250	30,435	23,079
Texas.....	5,483	38,683	50,255
All other states.....	341	5,589	6,054
Mustard seed:			
California.....	1,964 (1)	3,168,270	100,731
Sunflower seed, total.....	4,731	63,677	58,318
California.....	257	6,855	6,204
Illinois.....	3,969	49,004	14,539
Indiana.....	130	6,330	5,894
All other states.....	75	1,488	1,621
Hemp seed:			
Kentucky.....	563	5,416	20,007
Chufas seed:			
Georgia.....	481	12,531	28,194
Broom corn seed, total.....	1,071	6,833	11,752
Illinois.....	30	1,011	5,050
New Mexico.....	184	583	1,627
Texas.....	702	1,216	3,404
All other states.....	155	4,023	4,671
Tobacco seed, total.....	1	(1) 389	1,789
Pennsylvania.....	(2)	(1) 200	1,400
All other states.....	1	(1) 189	389
All other seeds (3).....	(2)	.....	512

(1) Expressed in pounds.

(2) Less than 1 acre.

(3) Includes golden seal seed and anise seed.

Grass Seed—Production and Value.—Table No. 3, From the Census of 1910.

Table No. 3 shows, by geographic divisions, for 1909 and 1899, the total quantity and value of grass seed produced, and also, for 1909, the production and value of the leading classes. The acreage of grass seed is not shown, for the reason that in most cases it would involve duplication of the acreage reported for the grasses themselves under hay and forage crops.

The total value of the grass seed produced in 1909 was \$15,138,000, which constitutes 0.3 per cent of the total value of farm crops and rep-

resents an increase of 84 per cent over the value in 1899. Much the larger part of the production of grass seed, considered as a group, was reported from the West and East North Central divisions. As measured by value, clover seed is the most important kind of grass seed, followed by timothy and alfalfa. The East North Central division leads in the production of clover seed, the West North Central in that of timothy seed and millet seed, and the Mountain in that of alfalfa seed.

DIVISION.	ALL GRASS SEED.				CLASSES OF GRASS SEED: 1909									
	Production (bushels).		Value.		Clover.		Timothy.		Alfalfa.		Millet.		All other.	
	1909	1899	1909	1899	Production (bush-els).	Value.	Production (bush-els).	Value.	Production (bush-els).	Value.	Production (bush-els).	Value.	Production (bush-els).	Value.
United States..	6,671,348	4,865,078	\$15,137,683	\$8,228,417	1,025,816	\$6,925,122	2,878,790	\$4,018,951	263,328	\$2,051,840	588,270	\$491,566	1,915,144	\$1,650,204
New England..	5,451	2,168	10,269	6,067	500	2,960	1,715	3,868	.....	.....	3,014	2,925	222	510
Mid. Atlantic..	55,137	66,758	219,146	233,085	22,169	164,301	27,969	47,280	247	2,479	3,493	3,405	1,329	1,781
E. North Central..	2,157,957	1,696,878	6,320,653	4,651,031	746,820	5,021,888	345,471	558,557	1,058	5,105	35,215	26,282	1,029,333	708,821
W. North Central..	3,265,021	2,558,743	5,915,510	2,571,033	202,259	1,373,385	2,455,911	3,320,264	85,801	713,330	423,778	318,349	97,272	161,161
South Atlantic..	78,352	46,513	198,628	122,422	17,365	115,078	13,628	21,456	2	20	2,293	2,943	15,064	59,141
E. South Central..	671,790	361,431	632,743	305,325	8,200	38,408	14,497	17,052	61	516	49,531	52,308	599,333	594,459
W. South Central..	59,624	26,076	223,441	19,845	2,118	11,375	1,497	2,345	15,194	147,685	29,106	32,800	11,619	29,146
Mountain.....	198,110	60,767	1,037,069	227,172	7,481	55,204	15,106	32,439	128,913	911,708	41,699	32,294	1,461	5,364
Pacific.....	179,906	42,744	580,274	92,403	18,511	122,607	3,324	6,690	32,049	270,988	88	17	125,921	159,819

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Columbia, May, Mrs. W. N. Bird,
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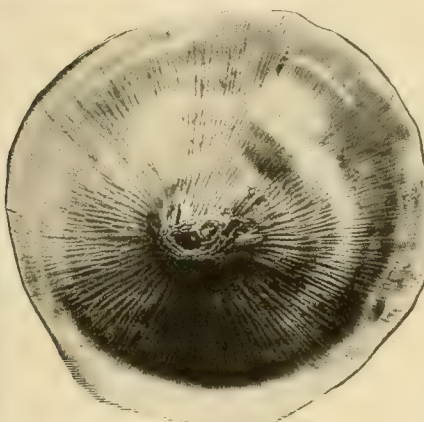
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5 to 7 inch.....	\$1.80	\$15.00
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10 varieties, my selection, 2¼-	
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CANNAS, 8 varieties, 3x4-in.	
pots.....	4 00
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Cl'g Souper.....Hy. Pol.	50	3.00	25.00	
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ATTRACTION. Deep, dark, rich crimson, with a very conspicuous, large, pure white center and throat. At once a most beautiful and attractive sort.....	\$0.50	\$3.50
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ELABORATE. Blood scarlet. The finest ChildsII of its color.....	.75	5.50
GEORGE PAUL. Large flowers; deep crimson, slightly stained yellow spotted with purple. Per 1000, \$47.50.....	.75	5.00
I. S. HENDRICKSON (new). A beautiful and irregular mottling of white and bright deep pink; in some the pink and in others the white predominates. Flowers and spikes very large and fine.....	.75	4.75
MADAM MONNERET. Delicate rose; late bloomer. Per 1000, \$26.75.....	.50	2.75

AMERICA.

This beautiful new Gladiolus has produced as great a sensation as the now famous **Princeps**. The flowers, which are of immense size, are of the most beautiful flesh-pink color, and, as a florist who saw it said, it is "fine enough for a bride's bouquet."

	100	1000
Top roots, -	\$2.75	\$25.00
First size, -	2.25	20.00
Second size, -	2.00	17.50

BODDINGTON'S QUALITY GLOXINIAS.

	1000	100
Named Varieties. Our Selection.....	\$40.00	\$4.25
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B's Spotted Varieties.	35.00	3.75
Mixed, All Colors.	25.00	2.75

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Named Varieties. Our Selection.....	\$8.00 per 100
Mixed Varieties and Color. Yellow, Red, Pink, White.....	\$5.00 per 100.

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LYCORIS SQUAMIGERA, OR AMARYLLIS HALLI

(THE MAGIC LILY OF JAPAN)

A perfectly hardy Amaryllis, producing beautiful pink flowers.

Lycoris squamigera produces in early Spring foliage which grows until July, when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later, as if by magic, the flower-stalks spring from the ground to a height of 2 or 3 feet, developing an umbel of large and beautiful lily-shaped flowers 3 to 4 inches across and from 8 to 12 in number, of a delicate lilac-pink.

Very useful for cut flowers in the Summer. Strong blooming bulbs, each 10c., per doz., \$1.00; per 100, \$6.50.

INCARVILLEA.

INCARVILLEA Delavayi (Hardy Gloxinia). The foliage resembles that of the Acanthus, while the blossoms appear like clusters of pink Gloxinias. It is extremely decorative. Strong roots, each 10c.; per doz., 75c.; per 100, \$6.00.

OXALIS.

OXALIS (Summer-Flowering) **Deppei**. Pure white; very fine.

Lasiandra. Fine rosy pink, beautiful cut foliage.

Shamrock. Lovely clover-like foliage, pink blossom.

Mixed Colors. Several colors. Per doz., 10c.; per 100, 35c.; per 1000, \$2.50.

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SPIRAEA Palmata Rosea. The beautiful deep pink hardy Spiraea. Per doz., \$1.00; per 100, \$7.50.

SPIRAEA Aruncus. The grand hardy white Spiraea. 4 to 5 feet; per doz., \$1.00; per 100, \$7.50.

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The quickest climber known in horticulture; grows 1 to 2 feet per day. Invaluable for quickly covering unsightly objects. Strong roots, each 20c.; per doz., \$1.50; per 100, \$12.00.

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Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

Prices of Indoor Fruits and Vegetables.

Chicago, May 12.—Mushrooms, 20 cents to 50 cents per pound; lettuce, 20 cents to 22½ cents, small cases; radishes, 15 cents to 25 cents per dozen bunches; pieplant, 30 cents to 40 cents per box; cucumbers, 90 cents to \$2.25 per box of two dozen; asparagus, 50 cents to \$1.00 for 24 bunches.

New York, May 10.—Cucumbers, 50 cents to \$1.00 per dozen; mushrooms, 40 cents to \$1.25 per 4-pound basket; tomatoes, 15 cents to 25 cents per pound; radishes, \$1.50 to \$2.00 per 100 bunches; rhubarb, 20 cents to 35 cents per dozen bunches; lettuce, \$1.25 to \$1.75 per 2-box strap.

Crossing the Tomato.

The influence of crossing in increasing the yield of tomatoes furnishes the subject for a recent bulletin of the New York Agricultural Experiment Station. The infusion of new blood often results in fruits of greater size and of better quality, the increase in size being due to the heterozygous condition, which stimulates the growth of either the size or the number of cells, or to the combination of two or more size-increasing characters, such as thick interlobes and long interlobes. An experiment was begun in 1907 to determine how much crossing increased the yield of tomatoes, if it increased the yield at all. The Livingston Stone, Dwarf Aristocrat and Hedrick varieties were used. Reciprocal crosses were prevented because one variety was planted too late and pollen of the standards was secured for the fertilization of the Dwarf Aristocrat blossoms. The experiments were continued during several years and showed real gains. In the 1908 summer experiment Dwarf Aristocrat and Livingston averaged 4.438 pounds more fruit per plant than the Livingston Stone, and 10.558 pounds more fruit than its maternal parent. At the same ratio six tons more fruit to an acre of 2,722 plants would have resulted from the cross than from Livingston Stone, and fourteen more tons than from Dwarf Aristocrat. "The best results," according to the bulletin, "may be obtained by keeping within a species and crossing the distinct varieties and the distinct strains."

Seed Potatoes.

"Good Seed Potatoes and How to Grow Them" is the title of an article by Wm. Stuart issued in bulletin form by the Department of Agriculture. A review of the potato industry shows that production per acre is practically where it was 45 years ago. For the five-year period of 1868-1872 the average was 94.8 bushels and for the period 1908-1912 the average was 96.1. The intervening periods show a decrease, running as low as 73.7 in 1888-1892. The price for the last period, 1908-1912, was 62.3 cents and for the first period, 34.9 cents. The Colorado potato beetle, the financial depressions and a gradual depletion of soil fertility are blamed for the decline. The influence of the agricultural experiment stations, the Bordeaux-mix-

ture treatment, and the development of special potato-growing sections are credited with the return to the old production level. "Pure seed from productive plants, not overripe, uniform in size and shape, firm and sound, with sprouts just showing at planting time," is the kind recommended. "A conservative estimate of the increase that might be expected from the use of high grade seed is certainly not less than 10 per cent. Such an increase based on the average of the past five years would amount to over thirty-four and one-fourth million bushels, having an approximate valuation of \$21,000,000." Tests show that strong plants give more than sixteen times as large a yield as weak plants.

Diseases of Cabbage.

The United States Department of Agriculture's farmers' bulletin 488 contains an important article by L. L. Harter on the "Diseases of Cabbage and Related Crops and Their Control." The bulletin says that the family garden, where the same crops are grown year after year, provides the most favorable conditions for the perpetuation of the various diseases. The importance of growing the seed on ground free from the diseases of all crucifers that the pests may not be distributed throughout the country is pointed out. Fungus and bacterial diseases may be spread, according to Mr. Harter, by insects, infected seed, transplanting from an infected seed bed to the field, drainage water, stable manure and compost, animals and wind. Before sowing the seed should be disinfected with one-fourth pint formaldehyde (40 per cent) to seven gallons of water. The seed should be left in the solution about 15 minutes, dipped in pure water to wash off the formaldehyde, and spread out to dry.

In preparing the seed bed care must be exercised to prevent infection. Never make the bed on an old cabbage field, and see that the manure for the compost is not taken from a heap where diseased plants are thrown. Steam sterilization by means

of drain tile at the bottom of the bed through which steam is passed, steam sterilization by means of an inverted pan, sterilization by drenching the soil with a formalin solution or treating the soil with a Bordeaux mixture, may be practiced. Crop rotation also is essential. The bulletin lists a number of diseases attacking cabbage, cauliflower, and the like, and describes some of the methods of control in practice.

Vegetable Plants.

CABBAGE—Wakefield, Succession, Early and Late Flat Dutch, Surehead, All Head, Danish Ball Head, etc., at 20c per 100, 500 for 75c., \$1.00 per 1000; 10,000 and over, 85c per 1000.

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CELERY—Golden Self Blanching, 40c per 100; \$2.50 per 1000.

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Decorative Palms, Palms, Ferns, Pandanus, Bay Trees, Boxwoods, Dracaenas, etc., etc.

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Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

COLORADO SPRINGS, COLO.—The El Paso County Horticultural Society will hold its annual flower show August 13-15.

CONCORD, CALIF.—The Panama Nursery Co. has opened for business here with a full line of stock. Willard Smith is manager.

Grape Roots Grafted.

French grape growers grafted their vines on American root stocks as a protection against the ravages of phylloxera; but they also found in this practice other advantages that both European vineyardists and California wine and raisin-producers have made profitable. Where American varieties of the grape are grown, however, the phylloxera is not dreaded, and lacking this incentive to grafting on other roots, this practice has not become common in eastern America. But an experiment in root-grafting made by the New York Agricultural Experiment Station in a vineyard near Fredonia indicates that this method of handling vines is worth consideration. The progress of the test was far from satisfactory, owing to poor stocks, cold weather, insect ravages, hailstorms, etc., yet the work proves that root grafting improves the yields, gives better vines, and advances the season of some varieties. Those interested should write to the Station at Geneva for Bulletin No. 355.

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This volume brings together the available information on all known species of Iris. The most striking feature of the book is the life-size colored plates, reproduced from originals drawn from living plants—making it a volume of great beauty as well as of scientific importance.

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Azalea Mollis, 15 to 18-in., bushy and full of buds.....\$ 3.50 per 10, \$ 30.00 per 100
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See that clock? It is made of flowers. It has hands and shows the time!

See that little house in the rear, also made of flowers? There is hidden a mechanism that strikes the quarter, half and the hour. What do you think this clock is made of? It is made of plants of brilliancy—mostly of dwarf begonias, the Vernon type, short variety, pink and red. The head gardener, the creator of this clock, of this famous, world-wide known hotel at Interlaken, Switzerland, has been offered a fortune by American and other millionaires of the world, to make them a clock similar to this, but he declined the offers, saying that he was hired by the hotel company for the next ten years. I was fortunate enough,



during my visit there, to obtain from the head gardener, the creator of this clock, a supply of seed and stock plants of those beautiful varieties of begonias to raise a sufficient crop of about 50,000 young plants in 2½, 3 and 4-inch pots for you to use in a similar clock, carpet bed or other outside work. A bed of these begonias, pink, the Erfordii, or the bright red improved Vernon, is a joy forever. Constant bloomers, stay always short and bushy, the hot rays of the sun have no bad effect on them. They can be grown in a sunny or shady place. We can sell you large 4-inch pot plants, either of the improved Erfordii, the beautiful pink, or the dark bright red improved Vernon, at 10c, \$1.00 per 100; 3-inch, \$7.00 per 100; 2½-inch, \$5.00 per 100; 5½-in. plants, 25c each; big plants, 25 at 100 rate.

Heliotrope, 4 inch, 7c.
Ageratum, 4 inch, 7c.
Dracaena Indivisa, bush plants, 5¼-in., 20c-25c.
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Crimson Rambler Roses, 6 in. pots, suitable for outdoor planting, 3 to 4 feet high, 50c.
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Asparagus Plumosus and **Sprengeri**, large 4 in. 10c; 3 in., 7c; 2½ in., 4c.
Hydrangea Otaksa, for planting out, 6-7 in., 25c, 35c, 50c, 60c.
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Centaura Gymnocarpa, Dusty Miller, 2½ in., \$3.00 per 100.
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PALMS, **Kentia Forsteriana**, 4 in., 25c to 35c; 5½, 5½, 6 in. pots, 25, 30, 35, 40 to 50 in. high, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50.
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 6 in. 40 in. high, 40 or more leaves... \$30.00 per 100
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Plants from 3 inch pots, \$4.00 per 100.

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Anthericum, variegatum, 4 inch pots, 10c each.
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Asparagus Sprengeri and Piumosus Nanus , 2 1/4-inch strong.....					
Ageratum , dwarf blue, 2 1/4-inch.....					
" " 3-inch.....					
" " 4-inch.....					
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Begonia Luminosa , for bedding, strong, 2 1/4 inch.....	2 50	23 00			
Cobaea Scandens , strong 4-inch.....per doz., \$1 50					
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45-in.	30-in.	10 00	18 00
48-in.	34 in.	12 00	22 00
48-in.	40-in.	15 00	28 00

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Stems	Crowns	Each	Pair
30-in.	24-in.	\$ 7 00	\$13 00
18-in.	24-in.	7 00	13 00
12-in.	30 in.	7 50	14 00

Pyramidal Shaped.			
		Each	Pair
5 ft. high, 24-in. diameter at base.		\$ 8 00	\$15 00
6 ft. high, 26-in. diameter at base.		10 00	18 00

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3½ ft. high.	3 50	6 00			



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Each	Pair	Each	Pair
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Each	Pair	Each	Pair
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18 in. high, 18 in. dia.	2 50 4 50	24 in. high, 24 in. dia.	3 50 6 50

Bush Shaped.

These do not come in tubs.

Each	Pair	Each	Pair	Doz.	100	Each	Doz.
12 in.	\$0 40	\$4 00	\$30 00	24 in.	\$1 00	\$10 00	
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Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

ASTERS.

THE SAWYER ASTERMUM—Eight years of strict selection places it on the mountain top of perfection in color, size and profit. Price (cash with order), plants, \$4 per 100. Colors: White, pink and lavender. Send for cuts and description. ALBERT A. SAWYER, Forest Park, Ill.

Aster seedlings, the best fall sorts, 1½c. Memphis Floral Co., Memphis, Tenn.

Asters, state colors and varieties, \$3 per 1,000. A. M. Herr, Lancaster, Pa.

AUCUBAS.

Aucuba Japonica, bushy plants, 35c to \$2.50 each. Julius Roehrs Co., Rutherford, N. J.

BAY TREES.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Bay trees and box trees, all sizes and prices. List on application. Julius Roehrs Co., Rutherford, N. J.

Bay trees. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

BEDDING PLANTS.

Bedding and basket plants: Asparagus Sprenger, 2½-in., \$3 per 100; \$25 per 1,000. Begonia Prima Donna, \$2.50 per 100; \$22 per 1,000. Begonia luminosa, \$2.50 per 100; \$22 per 1,000. Cobaea Scandens, 2½-in., \$4 per 100; 3-in., \$7. Centaurea Gym., \$3 per 100. Dracæna Ind., 5-in., \$20 per 100; 6-in., \$30. Geraniums, Mme. Sallerol, \$2.50. Ivy, English, 4-in., \$12 per 100. Lobelia Speciosa and Compacta, \$2.50 per 100. Petunia, Giant ruffled, single, \$2.50 per 100. Salvia Bonfire, King of Carpets and Zurich, \$2.50 per 100. Vinca Var., 3-in., \$6 per 100. The Storrs & Harrison Co., Painesville, O.

Bedding plants: Alternantheras, Asparagus Sprenger, plumosus and Hatcheri; ageratum; begonias, tuberous rooted, luminosa; Cobaea scandens; celosia; coleus, in variety; dusty miller; Dracæna indivisa, geraniums, Nutt, Buchner, La Favorite, Vaud, Mrs. E. G. Hill, Ivy, rose, Mme. Sallerol; Grevillea robusta; heliotrope; ivy, English and German; lobelia, speciosa and Crystal Palace; Marguerite Mrs. Sanders; Musa ensate; petunias; reclusus; Salvias, Bonfire and Zurich; pansies. For sizes and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Bedding and other plants, from 2½-inch pots, \$3 per 100; Asparagus Sprenger; Alyssum Little Gem; parlor ivy; Phlox Drummond, dwarf; ageratum; Eucynymus radicans var., golden variegated; Salvia Bonfire; Hydrangea Otakasa, bridal myrtle; Swainsona alba; artemisia; verbena; scarlet, pink and white; antirrhinum Vitt. Plants from 3-in. pots at \$4 per 100; Ampelopsis Veitchii; Clematis paniculata; Dracæna indivisa; wallflowers, ivy, hardy English; fuchsias, early flowering; lantanas. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Bedding plants: Salvias, Schenley, Ball of Fire, and King of the Carpet. Coleus: Verschaffeltii, Golden Queen, Golden Bedder and Queen Victoria. Ageratum Princess Pauline. 1,000. Achyranthus: Formosa, Bimulleri and from 2½-in. pots, \$2.50 per 100; \$20 per 1,000. Achyranthus: Formosa, Bimulleri and Lindenii, 2½-in., \$4 per 100; \$30 per 1,000. Stevia dwarf, 2½-inch, \$2.50 per 100; \$20 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Bedding plants, pansies, 50c per 100; \$4 per 1,000. Daisies, \$1 per 100; \$8 per 1,000. Ageratum, 60c per 100; \$5 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Feverfew, \$1.25 per 100; \$10 per 1,000. C. Humfeld, Clay Center, Kans.

Bedding plants: Coleus, alternantheras, red and yellow; cigar plant, Ageratum, blue; Verbena, heliotrope, Salvia Zurich, asters, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

BEGONIAS.

Begonias, Argenteo-guttata, Pres. Carnot, Robusta, Sandersoni, 3-in., well colored foliage; strong and bushy, 4c. Memphis Floral Co., Memphis, Tenn.

Begonia Lorraine and Glory of Cincinnati, 2½-in. pots, leaf cuttings, immediate delivery. Julius Roehrs Co., Rutherford, N. J.

BOUVARDIAS.

Bouvardias, red, pink and white, 2-in. pots, \$3 per 100. Henry Smith, Florist, Grand Rapids, Mich.

BERRIED PLANTS.

BERRIED PLANTS.

Jerusalem cherries for field planting, strong, 2½-in., \$3 per 100; \$25 per 1,000.

Fra Diavola, a fine plant to grow in field for Xmas sales; full of berries, \$3 per 100; \$25 per 1,000.

Cluster Peppers, strong 2½-in., \$3 per 100. Celestial Peppers, an indispensable Xmas plant, strong, 2½-in., \$3 per 100; \$25 per 1,000.

POEHLMANN BROS. CO., Morton Grove, Ill.

BOXWOOD.

Boxwoods, pyramids, 2 to 2½ ft., \$1.25 each; 2½ to 3 ft., \$1.75; 3 to 3½ ft., \$2.50; 3½ to 4 ft., \$3; 4 to 4½ ft., \$4.25; 4½ to 5 ft., \$5; 5 to 6 ft., \$6. Globular, 2 ft., \$2.25 and \$2.50. Standards, 15 to 18 ins., \$2.25; 18 to 21, \$2.75; 21 to 24, \$3.50; 24 to 30, bushes, \$1.50; 30 to 36 ins., bushes, \$2.50. Obelisk, 5 ft., \$12 each. Globe shaped, 2 ft., \$4.50 each; 12 to 15 inches, \$2 to \$2.50. Bushes, 2½ ft., \$1.50; 2½ to 3 ft., \$2.50. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwoods. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

BULBS.

Gladioli. A good mixture, \$1 per 100; \$9 per 1,000. Choice Florists' mixture, white, light and pink, \$1.75 per 100; \$16 per 1,000. Pink Augusta, best forcing pink, \$2.25 per 100; \$20 per 1,000. Cash. 25c at 1,000 rates. Also America, Augusta, Francis King, Mme. Monet, Klondyke, George Paul, etc. Send for price list. STEVEN'S GLADIOLI CO., Saginaw, W. S., Mich.

Bulbs, liliun multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, tuberous begonias, gladiolus, gloxinias, fancy leaved Caladiums, cannas, dabbias, etc. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Bulbs, bedding hyacinths, white, red and blue, \$1.00 per 100; \$15 per 1,000. James Vicks' Sons, Rochester, N. Y.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs. S. S. Skidelsky & Co., 1215 Bets Bldg., Philadelphia.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, cold storage Giganteum, 7-9, 8-9 and 9-10. The Yokobama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs, gladioli, lilies, and madeira vines and other bulbs. E. S. Miller, Wading River, N. Y.

Bulbs, hyacinths, tulips, narcissi. W. J. Eldering & Son, Overveen, Haarlem, Holland.

Bulbs of all kinds. James Vicks' Sons, Rochester, N. Y.

CALLAS.

GODFREY CALLAS.

2½-in., \$4.00 per 100.

CONARD & JONES CO.,

WEST GROVE, PENNSYLVANIA.

CANNAS.

Cannas. Fine dormant 2 to 3 eye bulbs, Cinabara and mixed, 75c per 100. Sec. Chabanne, \$1 per 100. Pres. Cleveland, Paul Marquant, \$1.50 per 100. Pennsylvania, C. F. Read, \$2.50 per 100. Papa Nardy \$4 per 100. WAGNER PARK CONSERVATORIES, Sidney, Ohio.

IMPROVED CANNAS.

Sixty varieties, healthy plants ready for delivery. Please send for list. King Humbert Cannas plants ready for delivery, price \$9 per 100. THE CONARD & JONES COMPANY, West Grove, Pa.

Cannas, 8 vars. 3x4-in. pots, \$4 per 100. King Humbert, 3x4-in. pots, \$7 per 100. Jos. H. Cunningham, Delaware, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

10,000 potted cannas, 25 leading varieties, \$5 per 100 and up; lots of Humbert and Wm. Sander. 25,000 reasonable bedding plants, 2½ and 3-in. 200,000 R. C. chrysanthemums, \$15 per 1,000. Lists free. Benj. Connell, Florist, Merchantville, N. J.

Canna King Humbert, fine 3-in., \$10 per 100. F. Vaughan, Henderson, Alemania, Wallace, \$5 per 100. Cash please. Harry Heim, West Toledo, O.

Cannas, A. Bouvier, 3-in., \$5 per 100. Erie Floral Co., Erie, Pa.

CAPE JASMINES.

Cape jasmynes, buds, medium, \$1 per 100; \$8.50 per 1,000; long, \$1.50 per 100; \$13 per 1,000. T. W. Carlton, Alvin, Texas.

Gardenias, 2,000 fine stock plants from benches, \$10 per 100. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

Gardenias, Class A, \$1.50 per 100; \$13 per 1,000; Class B, \$1 per 100; \$8.50 per 1,000. Yard & Yard, Box 201, Alvin, Texas.

Cape Jasmine buds, class A, 20-in. stems, \$2.25 per 100; \$20 per 1,000. Class A, 12 to 18-in. stems, \$1.50 per 100; \$13 per 1,000. Class B, 8 to 12-in. stems, \$1 per 100; \$8.50 per 1,000. E. J. Sheffield, Alvin, Texas.

CARNATIONS.

50,000 Cuttings Pure White Enchantress in sand now. This is the best commercial white; \$20 per 1,000 and every cutting guaranteed strictly No. 1 stock.

	Per 100	Per 1,000	Pot Stock
Pure White Enchantress....	\$2.50	\$20.00	\$3.25
Light Pink Enchantress....	2.75	25.00	3.25
Rose Pink Enchantress....	2.75	25.00	3.25

Also Dorothy Gordon, White Wonder, Gloriosa and Rosette in limited quantities.

Cash or Reference.

SMITH & GANNETT, GENEVA, N. Y.
Carnation cuttings for immediate delivery. Extra strong plants from soil. Enchantress and White Enchantress, \$3 per 100; \$25 per 1,000. Write for prices on the following varieties from sand: Wodenethe, White Wonder, White Enchantress, Enchantress, Beacon, and Rose Pink Enchantress. J. D. Thompson Carnation Co., Joliet, Ill.

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1,000
Enchantress	\$2.00	\$15.00
White Enchantress	2.00	15.00
White Perfection	2.00	16.00
Rose Pink Enchantress....	2.50	20.00
Beacon	2.50	22.00
Yellow Lawson	3.00	25.00

Cash with order or C. O. D.

JAS. SCHOOS,

519 Asbury Ave., Evanston, Ill.

Carnations, from 2-in. pots: Rosette, St. Nicholas, Benora, \$6 per 100. White Perfection, White Enchantress, Scarlet Glow, \$3 per 100. F. Dorner & Sons Co., LaFayette, Ind.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Dailledouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

For immediate shipment, strong guaranteed cuttings that will produce fancy stock. White Perfection, Enchantress, \$20 per 1,000. White Enchantress, \$25 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Carnation Herald, field-grown plants, September delivery, \$15 per 100. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnation cuttings, \$3 per 100; 2½-in., 6 per 100. J. L. Dillon, Bloomsburg, Pa.

Carnation Princess Dagmar, \$12 per 100; \$100 per 1,000. Patten & Co., Tewksbury, Mass.

Carnations, chrysanthemums, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTEMUMS.

CHRYSANTEMUMS.
ROOTED CUTTINGS—READY NOW.
\$1.50 per 100; \$12.50 per 1,000.

White.	White.
Oct. Frost	Silver Wedding
Early Snow	Yanoma
C. Fouset	Yellow.
F. Poehlmann	Monrovia
White Cloud	Halliday
Des Jonis	Appleton
Queen	Golden Wedding

MEMPHIS FLORAL CO.,

TENN.

ROOTED POMPOMS.

	Per 100
Baby Margaret.....	\$1.75
Baby Yellow	1.75
Lulu	1.75
Quinola	1.75
Sonovia	1.75
Mrs. F. Beu	1.75

Cash with order or C. O. D.

JAS. SCHOOS,

519 Asbury Ave., Evanston, Ill.

HEADQUARTERS.

Chrysanthemums, Rooted Cuttings.

White.	Per 100
Mrs. Chas. Razer	\$2.50
Lynwood Hall	2.00
Snow Queen	2.00
White Ivory	2.00

YELLOW.	
Dolly Dimple	2.50
Col. Appleton	2.00
Halliday	2.00

PINK.	
Rosette	2.00
Maud Dean	2.00
Dr. Enguehard	2.00
Pink Ivory	2.00

POMPOMS.

WHITE.	Per 100
Diana	\$2.00
Baby Margaret	2.00
Lulu	2.00

YELLOW.	
Baby	2.00
Quinola	2.00
Pretoria	2.00

PINK.	
Ladysmith	2.00

WIETOR BROS.,

162 N. Wabash Ave. Chicago.

Chrysanthemums, Alice Byron, Enguehard, Golden Glow, Jeanne Nonin, Bonnaffon, \$15 per 1,000. Maud Dean, Virginia Poehlmann, \$20 per 1,000. Shepard's Garden Carnation Co., 292 Fairmount St., Lowell, Mass.

Chrysanthemums, rooted cuttings and 2½-in. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, large flowering, pompons, single and anemone flowered; best vars., 2½-in., \$3 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

Chrysanthemums, all the money making varieties. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading varieties, \$3 per 100. Henry Smith, Florist, Grand Rapids, Mich.

Chrysanthemums, Nagoya, Major Bonnaffon, Jeanne Nonin; rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Chrysanthemums, rooted cuttings. Erie Floral Co., Erie, Pa.

Mums, R. C., 1c. Haenselman, Boulder, Colo.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus. Verschaffeltii and G. Bedder, 60c per 100. The Erie Floral Co., Erie, Pa.

Coleus, \$5 per 1,000: Red, yellow and assorted; 4-inch stock plants, \$2.50 per 100. A. M. Herr, Lancaster, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEUM, finest strain in existence, including GLORY OF WANDSBEK, finest salmonium, orchid flowering, Rococo; strong transplanted seedlings, \$3.00 100; \$25.00 1,000. Cash, please.

Rober & Radke, Maywood, Ill.

Cyclamen, 3-in. pots, very finest strain, \$10 per 100. Julius Roehrs Co., Rutherford, N. J.

CYPERUS.

500 Cyperus alternifolius, large plants from 4-in. pots, \$6 per 100. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

DAHLIAS.

Dahlias, 2-in. pots, named sorts at 2c. Memphis Floral Co., Memphis, Tenn.

Dahlias, 2c. Haenselman, Boulder, Colo.

DAISIES.

VIGOROUS DAISY PLANTS.

IMMEDIATE SHIPMENT.

Soleil d'Or, 2½-in.	\$4.00 per 100
Alexandra, 2½-in.	4.00 per 100
Mrs. Sander, 2½-in.	4.00 per 100
Mrs. Sander, 3-in.	6.00 per 100

WEILAND & RISCH,

154 N. Wabash Ave. Chicago.

Daisy Mrs. F. Sander, 2-in., strong, 2c. Memphis Floral Co., Memphis, Tenn.

DRACAENAS.

Dracaena indivisa, 2-in., \$3 per 100; 3-in., \$5; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$6 per doz.; 8-in., 3 ft. high, \$1 to \$1.50 each. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracenas, Linden and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz.; 7-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Chicago and New York.

Dracaena indivisa, 5-in., \$25 per 100. Cash with order. Frank Felke, 828 Ridge Ave., Wilmette, Ill. Telephone, Wilmette 1236.

Dracaena Ind., fine stock, big plants, 3-in., \$5; 4-in., \$8; 5-in., \$15 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Dracaena Massangeana, 6-in., \$1 to \$1.75 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracaena, 6-in., \$30 per 100; 5-in., \$25; 4-in., \$15. West Main Greenhouses, Corfu, N. Y.

Dracena, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Boston, 2½-in., \$3 per 100; \$30 per 1,000. Roosevelt, 2½-in., \$5 per 100; \$40 per 1,000. Whitman Compacta, 2½-in., \$5 per 100; \$40 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns for dishes, 2-in. assorted, to clean out, \$2.50 per 100; \$20 per 1,000. Transplanted seedlings, \$1 per 100; \$9 per 1,000. Rober & Radke, Maywood, Ill.

Table ferns, 10 vars., 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$6 per 100; \$55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

500 ferns, Pteris albo-lineata, 3½-in., \$8 per 100. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Table ferns, 6 varieties, 2½-in., 2½c. Memphis Floral Co., Memphis, Tenn.

Ferns, Robbink & Atkins, Rutherford, N. J.

FICUS.

Ficus pandurata, 6-in., \$3.50 each. Ficus elastica, 6-in., 75c to \$1 each. Poehlmann Bros. Co., Morton Grove, Ill.

FORGET-ME-NOTS.

A nice lot of hardy forget-me-nots in 4-in. pots, \$3 per 100. E. Kirchhoff, 4705 Milwaukee Ave., Chicago, Telephone Irving 13851.

GERANIUMS.

Geraniums, S. A. Nutt, 4-in., \$7 per 100; 2½-in., \$3 per 100; \$25 per 1,000; other standard varieties, \$3 per 100. Rooted cuttings: S. A. Nutt and La Favorite, \$1.25 per 100; \$10 per 1,000; Poitevine, Perkins, Hill, Harrison and Redfield, \$1.50 per 100; \$12.50 per 1,000. Happy Thought and variegated Nutt, 2½-in., \$5 per 100. Rober & Radke, Maywood, Ill.

Geraniums, strong, stocky plants in bud and bloom; S. A. Nutt, Ricard, Beaute Poitevine, White Buchner, 4-in., 7c and 8c; 3½-in., 6c; good stock guaranteed. Cash with order. Gus Schlegel, Olney, Ill.

Good strong 4-inch S. A. Nutt and Jean Viaud geraniums, for Sc. Cash with order, please. Leo Wellenreiter, Danvers, Ill.

50,000 S. A. NUTT.

FOR IMMEDIATE DELIVERY. Extra strong top cuttings, well rooted, \$10 per 1,000. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, 3½-inch Nutt, Grant and Lakeland, \$6.50 per 100; \$60 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Geraniums, R. C., Nutt and Poitevine, \$1 per 1,000. Ricard, \$12.50. A. M. Herr, Lancaster, Pa.

Geraniums, S. A. Nutt, in bud and bloom, 4-in., nice, strong stock, \$7 per 100. Cash with order. Frank Felke, 828 Ridge Ave., Wilmette, Ill. Telephone, Wilmette 1236.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Mrs. Loyal (pansy geranium) 2-in., 85c per doz.; \$6 per 100. Vaughan's Seed Store, Chicago and New York.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Geraniums, Mme. Sallerot, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut-Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. Caldwell The Woodsman Co., Evergreen, Ala.

Huckleberry foliage, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. E. A. Heaven, Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Fancy ferns, \$1.50 per 1,000. Robert Groves, Adams, Mass.

HELIOTROPE.

Heliotrope, centifleur, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

HOLLYHOCKS.

Hollyhocks, asst. colors, \$40 per 1,000. Hardy chrysanthemums, clumps, \$5 per 100; strong 2½-in. plants, \$3 per 100. Herbaceous perennials from 2½-in. pots. The New England Nurseries Co., Bedford, Mass.

DOUBLE HOLLYHOCKS, separate colors, Strong field plants, 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

Hollyhocks, yellow, red, pink, white, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

HYDRANGEAS.

Hydrangeas in pots and tubs, \$1.50 to \$3.50 each; large specimens, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

Hydrangea Otaksa, specimens in half barrels, \$5 and \$7.50 each; 14-inch tubs, \$2 and \$3 each; smaller sizes, 50c and 75c. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangea Otaksa, white, pink and blue, from \$9 per doz. to \$24; smaller, \$6 per doz. Anton Schultheis, 316 19th St., College Point, L. I., N. Y.

Hydrangea Otaksa, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

Hydrangea, 50c to \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

IVIES.

English ivy, 4 ft., 4-in. pots, \$15 per 100; 4½-in., \$20. Bobbink & Atkins, Rutherford, N. J.

English ivy, grown in 3½ and 4-in., \$10 and \$12 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

English ivy, 2½-in., 2c. Memphis Floral Co., Memphis, Tenn.

German ivy, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

LANTANAS.

Lantanas, weeping, 2-in., 2c. bushy. Memphis Floral Co., Memphis, Tenn.

LAUREL.

Laurus cerasus bush, 35c to \$1 each; standards, \$7.50 to \$10 each; pyramids, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the Valley, cold storage. Order now for June weddings Bruns' Celebrated Chicago Market Brand, \$18 per 1,000; \$9.50 per 500; \$5 per 250. Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3040 W. Madison St., Chicago.

LOBELIAS.

Lobelia Speciosa, 2½-in., 2c. Memphis Floral Co., Memphis, Tenn.

MARGUERITES.

Marguerites, in bud and bloom. Mrs. Sander, 4½-in., \$10.00 100; California, single and large flowering, 2-in., \$2.00; 3-in., \$4.00; 4½-in., \$8.00 100. Cash, please.

Robber & Radke, Maywood, Ill.

Marguerites, Mrs. E. Sanders and Queen Alexandra, 2½-in., 60c per doz.; \$4 per 100. Vaughan's Seed Store, Chicago and New York.

MOSS.

Green sheet moss, 1 bale (5 bundles) \$1.25; 5 bales (25 bundles), \$6. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

Sphagnum moss, 10 burlap bales, \$12.50; 10 wired bales (large) \$11. Write for prices on 25 to 100 bales or carload lots. Vaughan's Seed Store, Chicago.

Moss, surplus of 12 barrel bale New Jersey moss, delivered anywhere in Chicago, \$5 per bale, 2 or more bales, \$4.75 bale. Klehm's Nurseries, Arlington Heights, Ill.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

Sphagnum moss, 12 bbl. bale, \$4.50. James Day, Milford, N. H.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Evergreen hedges and hardy phlox. Adolf Mullett, Norristown, Pa.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Osmundine (Osmunda fibre or orchid peat.) The C. W. Brownell Co., Walden, N. Y.

PALMS.

Cycas, from 1 to 10 lbs., up to 50 lbs., 10c per lb.; 50 to 100 lbs., 9c per lb.; 100 lbs. and up, 8c per lb.; 500 lbs. and up, 7½c per lb. Vaughan's Seed Store, Chicago and New York.

Palms, Areca lutescens, 8-in. tubs, \$2.50 each; 5-in., 35c each; 4-in., 25c each. Kentia Forsteriana, 4-in., 35c. Memphis Floral Co., Memphis, Tenn.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Kentia Forsteriana and Beimoreana, all sizes from 4 to 12-in., tubs, 35c to \$15. Poehlmann Bros. Co., Morton Grove, Ill.

Phoenix Canariensis, fine large plants, \$7.50 to \$35 each. Julius Roehrs Co., Rutherford, N. J.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

PANDANUS.

Pandanus Veitchii, 5-in., 75c each; 6-in., \$1.25; 7-in., \$2. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus, Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

PANSIES.

Strong, stocky, fall Pansy Plants; large flowering, 50c per 100; \$4 per 1,000. Cash with order. Gus. Schlegel, Olney, Ill.

Pansies, field-grown, \$1.25 per 100; \$10 per 1,000. Leonard Cousins, Jr., Concord Junction, Mass.

PEONIES.

PEONIES.

"PEONIES FOR PLEASURE."

This book of "Peonies for Pleasure" gives information on peony history, soil and plants to use; how and when to plant; fertilizers and how to apply; and describes the most extensive planting of really valuable peonies ever gathered together under the sun; describes the old and new as well as plebeian and aristocrat of the peony family. If you want information on the plant that stands next to the rose in beauty, that is practically known to the amateurs simply as a red, white and pink peony, then send for "Peonies for Pleasure." We also issue a special wholesale price list of peonies for fall sales, 1913. Send for both of the booklets. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World.
Box 18, Springfield, Ohio.

PETUNIAS.

Petunias, single ruffled giants, 2-in. strong, bushy, 3c. Memphis Floral Co., Memphis, Tenn.

PRIMULAS.

Primula obconica grand., 2½-in., \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

PRIVET.

CALIFORNIA PRIVET, well branched, 12 to 18 ins. at \$10 per 1,000; 18 to 24 ins. at \$15 per 1,000. Jackson & Perkins Co., Newark, New York.

RHODODENDRONS.

Rhododendrons. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

ROSES.

CHOICE ROSE PLANTS.

	Per 100	Per 1,000
Fine 2½-in. stock,		
American Beauties	\$ 5.50	\$ 50.00
Richmond	3.50	30.00
Pink Killarney	4.50	40.00
White Killarney	4.50	40.00
My Maryland	4.00	35.00
Sunburst	12.00	100.00

WEITOR BROS.

162 North Wabash Ave., Chicago.

ROSE PLANTS, 2½-INCH POTS.

	Per 100	Per 1,000
My Maryland	\$3.50	\$30.00
Pink Killarney	3.50	30.00
Richmond	3.50	30.00

ONE-YEAR-OLD BENCH PLANTS.

	\$3.50	\$30.00
Pink and White Killarney		
Beauties	3.50	30.00

GEO. REINBERG,

162 North Wabash Ave., Chicago.

Roses, grafted, Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$10 per 100; \$100 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95 per 1,000 in 100,000 lots. Killarney Queen, \$15 per 100; \$120 per 1,000. Own root: Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$8 per 100; \$55 per 1,000. Richmond, 2½-in., \$5 per 100; \$45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Rose plants, 2½-in. pots: Pink Killarney, \$4 per 100; \$35 per 1,000. Melody, \$4 per 100; \$35 per 1,000. Richmond, \$3 per 100; \$25 per 1,000. 2-year bench plants: Am. Beauties, \$6 per 100; \$55 per 1,000. White Killarney, Pink Killarney, Richmond, Sunrise, \$4 per 100; \$35 per 1,000. Peter Reinberg, 30 East Randolph St., Chicago.

Roses, grafted: Richmond, White Killarney, Pink Killarney, Kaiserin, 2½-in., \$10 per 100; \$95 per 1,000; 3-in., \$15 per 100; \$145 per 1,000. Own roots: My Maryland, Pink Killarney, White Killarney, Richmond, Kaiserin, Perles, 2½-in., \$5 per 100; \$45.50 per 1,000; 3-in., \$7 per 100; \$60 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Roses, 2½-inch pots: Prince de Bulgarie, \$6 per 100; \$50 per 1,000. Richmond, \$5 per 100; \$40 per 1,000. Killarney, \$4 per 100; \$35 per 1,000. Madison, \$5 per 100. J. A. Budlong, 82 East Randolph St., Chicago.

VIGOROUS ROSE PLANTS.

IMMEDIATE SHIPMENT.

	Per 100: 2½-in.	2½-in.
Mrs Taft (Bulgaria)	\$4.00	\$5.00

WEILLAND & RISCH.

154 N. Wabash Ave., Chicago.

Roses, Milady, grafted, \$30 per 100; \$250 per 1,000. Mrs. Russell, grafted, \$35 per 100; \$300 per 1,000. Mrs. Sawyer, grafted and own root, \$30 per 100; \$250 per 1,000. Killarney, White Killarney, My Maryland, Mrs. Aaron Ward, Richmond, Lady Hillingdon, Mrs. Taft, 2½-in. pots, grafted, \$15 per 100; \$120 per 1,000. A. N. Pierson Inc., Cromwell, Conn.

ROSE PLANTS.

	Per 100	Per 1,000
1,275 My Maryland, 3-inch pots	\$4.00	\$35.00
600 My Maryland, 2-inch pots	3.50	30.00
200 Melody, 2-inch pots	3.50	30.00

SINNER BROS.,

56 E. Randolph St., Chicago.

Roses, 5 and 6-in. pots, hybrid teas, hybrid perpetuals, teas and everblooming, Rambler, Baby Ramblers, moss roses, hybrid sweet briars, Austrian briars, Wichuriana, etc. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Roses, in bloom, Dorothy Perkins, Mrs. Flight, Lady Godiva, \$9 to \$24 per doz. Anton Schultheis, 316 19th St., College Point, L. I., N. Y.

Roses, grafted, 3-in. pots, \$10 per 100; Kaiserin, White Killarney and Killarney. W. W. Coles, Kokomo, Ind.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

2,000 Kaiserin Augusta Victoria roses, strong plants, 4-inch pots, \$10 per 100; 2,000 3½-inch pots, \$8 per 100. All on their own roots. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

ROSES, strong, young plants, for growing on. Send for list including Excelsa, new Red Dorothy Perkins, \$4 per 100; \$30 per 1,000. THE CONARD & JONES COMPANY, West Grove, Pa.

ROSES, My Maryland, 2½-in., strong, 2½-c. Marechal Niel, 2-in., strong, 3c. Memphis Floral Co., Memphis, Tenn.

5,000 American Beauty Bench Plants, \$5 per 100; \$40 per 1,000. WIETOR BROS., 162 North Wabash Ave., Chicago.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Leedle Floral Co., Springfield, O.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Rose plants, Kaiserin and My Maryland, 3-in. pots, \$6 per 100. Henry Smith, Florist, Grand Rapids, Mich.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. 3-in pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SALVIAS.

Salvia Splendens and Bonfire, 60c per 100; \$5 per 1,000. Dracaena Indivisa, 2-in., \$2 per 100. Geraniums, 2-in., \$1.85 per 100. Cobea Scandens, 2-in., \$3 per 100. Marguerite, Mrs. F. Sander, 2-in., \$2 per 100. Double Alyssum, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

SALVIA BONFIRE, 2½-in., good plants, 2½-c. Cash with order. Gus. Schlegel, Olney, Ill.

SEEDS.

Seeds, beans, beets, cabbage, carrots, Kohlrabi, leek, lettuce, onions, peas, radishes, spinach, turnips, Swedes, asters, balsams, begonias, carnations, cineraria, gladiolus, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

Seeds, cauliflower, white Trilpot onion, (crystal wax) and all other vegetable and flower seeds. Dammann & Co., San Giovanni a Teduccio near Naples, Italy.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, pepper, asparagus, tomato, musk and watermelon. J. E. Hoopes & Co., Box 38, Muscatine, Iowa.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Sons, Ltd., Boston, England.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, pansy. Fred Roemer, Quedlinburg, Germany.

Seeds, onions, lettuce, carrot, radish. Braslan Seed Growers Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds, novelty flower seeds, bulbs and plants. Francesco Bulleri, Seafati, Near Pompeii, Italy.

SMILAX.

Smilax, 2½-in., \$2.50 per 100; \$22 per 1,000; 3-in., \$6 per 100; \$50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, 2-inch, 2c. Memphis Floral Co., Memphis, Tenn.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons. Ramburg's famous silver pink, rooted cuttings, \$2 per 100; extra strong 2½-in., \$3.50 per 100. Addams, Morgan & Co., Paxton, Ill.

TRUMPET VINES.

Trumpet Vine—Bignonia radicans grandiflora, strong, 4-year-old dormant stock, \$7.50 per 100; 3-year-old, \$5 per 100. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

UMBRELLA PLANTS.

Umbrella plants, ready to shift, 2½-inch, \$3 per 100. Poehlmann Bros. Co., Plant Department, Morton Grove, Ill.

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Vegetable plants: Cabbage, Wakefield, Succession, Early and Late. Flat Dutch, Surehead, All Head, Danish Ball Head, etc., 20c per 100; 500 for 75c; \$1 per 1,000; 10,000 and over, 85c per 1,000. Lettuce: Grand Rapids, Big Boston, Boston Market and Tennis Ball, 20c per 100; 500 for 75c; \$1 per 1,000. Beet: Eclipse, Crosby, Egyptian, 25c per 100; 500 for \$1; \$1.25 per 1,000. Celery plants: Golden Self-Blanching, 40c per 100; \$2.50 per 1,000. Tomato plants. R. Vincent, Jr. & Sons Co., White Marsh, Md.

For Sale.—Strong pleplant divisions, Linnæus and Victoria, \$4 per 100; \$25 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

For Sale.—Pot-grown Earliana tomato plants, in bloom, 2c. Dwight Greenhouses, Dwight, Ill.

VERBENAS.

Lemon verbenas, 2-inch, 3 cents; 3-inch, 6 cents. Rober & Radke, Maywood, Ill.

Lemon Verbenas, 2-in., 2c, strong plants. Memphis Floral Co., Memphis, Tenn.

VINCAS.

15,000 Vinca Variegata, all grown at edge of benches, 2½-in., \$3 per 100; 3-in., \$6 per 100; 3½-in., \$8 per 100; 4-in., \$12.50 per 100. Cash please. Harry Hehl, West Toledo, O.

VINCA VARIEGATA, rooted cuttings, 60c per 100; \$5 per 1,000. Cash with order. MEMPHIS FLORAL CO., Memphis, Tenn.

Vinca Var., grown in 3½ and 4-in., \$10 and \$12 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Fine stock of Vinca major or grave myrtle, 2½-in. pots, \$3 per 100; \$30 per 1,000; 4-in. pots, \$10 per 100. F. Kirchoff, 4705 Milwaukee Ave., Chicago, Tel. Irving 13851.

Vinca variegata, 4-inch, 12½ cents each. Rober & Radke, Maywood, Ill.

Vinca var., 2-in., 2c; 3-in., 5c. Geo. M. Emmaus, Newton, N. J.

VIOLETS.

50,000 Marie Louise Double Violet plants; these are well rooted in sand at \$15 per 1,000; 20,000 in 2½-inch pots at \$20 per 1,000. J. Vonder Linden, Rhinebeck, N. Y.

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SUPERIOR CARNATION STAPLES.

Mend your split carnations. Finest article for carnation growers introduced so far, 50c for 1,000, postage paid.

MICHIGAN CUT-FLOWER EXCHANGE, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

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Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing Avenue, Brooklyn, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

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Threads, all kinds (Green Silkline). John C. Meyer Thread Co., Lowell, Mass.

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Iron reservoir vases and lawn settees. McDonald Bros., Columbus, O.

Boiler flues. H. Munson, 1405 Wells St., Chicago.

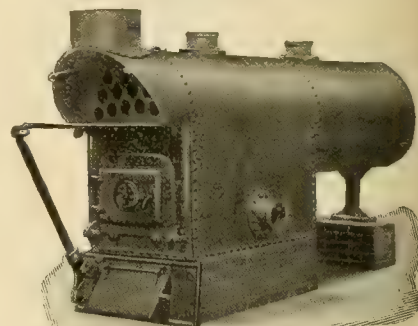
Red pots, standard, azalea, pans. Harley Pottery Co., Nashville, Tenn.

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For Greenhouses

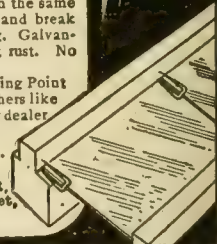
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The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

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SIZE
No. 2



Split Carnations Easily Mended with

Pillsbury Carnation Staple

We find it very satisfactory. J. L. DILLON.

Can't get along without them. J. L. JOHNSON.

2000 for \$1.00 postpaid.

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EVANS' Improved Challenge Ventilating Apparatus

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Cane Stakes, Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

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LONG AGO we gave up testing materials **after** a house was built. We now test our materials **before**. Do it in their raw state, and make sure the substance and strength is there, that we know **needs to be there**.

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Take, for example, those Wrought Iron Posts we use. When buying the wrought iron, we specify just what the mixture of the various minerals going into that iron shall be and just how it shall be made.

We place our orders way in advance and buy such large quantities, that we can have it made the way we insist on its being made.

When the iron arrives, our chemist takes samples and gives them the severest kinds of laboratory tests. If the results don't average up—the iron goes back—not a pound of it goes into our houses.

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Take so little a thing as whiting: you wouldn't think a pure powdered whiting hard to find—but it is. A couple of years ago one lot we bought mysteriously slipped through without our usual test. Six months later we found out that the putty made from it was "powdering up." We promptly offered to replace every house so afflicted. It cost us thousands of dollars. But that's our way of doing business.

If anything you buy of us isn't good, we make it good.

WHITE LEAD.

Only a short time ago we shipped back several tons of white lead that our chemist found had "traces of an adulterant." We wouldn't stand

for even a "tracer." It must be **pure white lead**.

CYPRESS.

Our expert "chalker" is a crank—the crankiest kind of a crank. It's his business to chalk the sappy parts of cypress as it comes from our air dried piles. That chalk part is **cut out**. Not an inch goes into our greenhouses.

PRIMING.

It pays to have us prime your cypress **before it is shipped**. It protects it from the weather. The other coats stick better. If you are afraid to buy your cypress primed, because you are afraid the paint will cover up sappy parts so you can't tell what you are getting, then you better not buy such a firm's cypress—or anything else that firm sells. If you can't depend on their cypress, you can't depend on them.

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Some say our prices are high. When they really take the trouble to investigate our materials then they change their minds. What's a few dollars on a house, if you know you are absolutely getting a square deal and that **all the materials** and workmanship are the best for the purpose money can buy?

Isn't it worth something to be **sure of the things you can't see**—as well as those you can?

You can't afford to spend your time and have the worry of watching a firm like a cat, to be sure you are getting what you are paying for. No one can save money on a deal like that.

Do you want to see one of us and get right down to talking business with fair and square business men?

Write us, suggesting a time convenient for you.



The Acid Test for Iron, Whiting and Linseed Oil.

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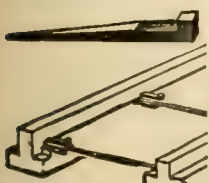
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Good for small or large glass, do not rust, easy to drive $\frac{3}{4}$ and $\frac{1}{2}$ inch Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00

Vaughan's Seed Store
Chicago. New York.

Mention the American Florist when writing



SIEBERT'S ZINC

Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{4}$ and $\frac{1}{2}$ inch. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade

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We are sending you under separate cover one of our new catalogs, if you do not receive it in a few days, write us—perhaps your name isn't on our mailing list. It is money in your pocket to get acquainted with The Advance line of ventilating apparatus and greenhouse fittings. Let us figure it out for you.

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BOILER TUBES? YES!

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4-inch, any quantity, 63¢c. per foot.
New and S. H. Pipe, all sizes.

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*The Insecticide that
fills plant Lice
of every species*

The Recognized Standard Insecticide.
Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

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An infallible remedy for mildew, rust and bench fungi. Unlike Bordeaux and lime and sulphur it does not stain the foliage, but cleanses it.

75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and vermicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used 1 part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals.

Madison, N. J.

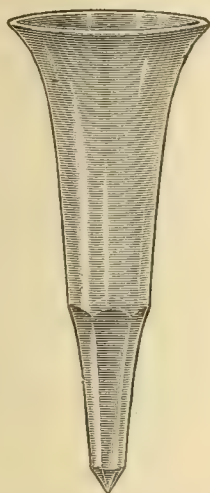
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Unequaled for greenhouse and landscape fertilizing.

THE PULVERIZED MANURE COMPANY

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Clara Cemetery Vase

MADE OF SOLID MOULDED GLASS

12 inches high, with wide flaring mouth.

Can be supplied in green or white.

Doz.. \$2.50; barrel of 3 doz., \$6.00,

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Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure, An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets, etc. to sole makers. Write for prices, etc.

Wm. Thomson & Sons, Ltd., Tweed Vineyards, Clovenstone, Scotland.

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MATERIAL FURNISHED
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MEN TO SUPERINTEND
ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FEET OR LONGER.
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Cutler Building, Rochester, N. Y.
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Black ones too*
are easy to kill with
The Fumigating Kind Tobacco Powder
\$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee?
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

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Preserve Cut Flowers in BUCHBINDER Florists' Refrigerators

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**Superior Quality
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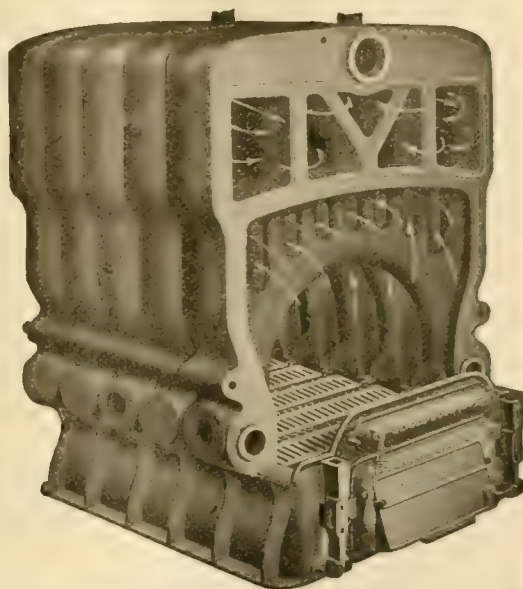
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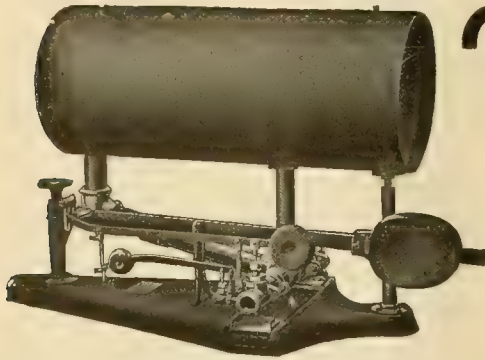
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Vol. XL

CHICAGO AND NEW YORK, MAY 24, 1913.

No. 1303

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.
Registered Cable Address: Ameflo, Chicago.
Subscription, United States and Mexico, \$1.00 a
year; Canada, \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August 3, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

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Seventh annual convention, Nashville, Tenn.,
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Tenn., President; W. F. HUTCHINSON, Sewickley,
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SUGGESTIONS FOR PLANT GROWERS.

Pot Chrysanthemums.

The chrysanthemums that are to be
grown for bush plants will require con-
stant attention from this time on, for
they grow very rapidly both at top
and root, and should be gone over regu-
larly and often and have the ends of
the growths rubbed out, that they may
be kept in shape and grow as bushy
as possible. Do not be afraid of their
being too short, for all pinching back
must stop about July 1, and they will
have plenty of time to make a good
growth before the buds set. Keep the
plants growing and in good health and
never allow them to get potbound, for
the wood hardens very quickly if this
happens, and it is next to impossible
to grow good flowers on a plant which
has become hard; so shift the plants
into a larger size as soon as they re-
quire it. Pot firmly and in a good,
strong soil. The plant potted good
and firm will make a much shorter-
jointed growth than one potted loosely,
but it is better not to pinch back the
tops at the time of potting. Go over
the plants carefully two or three days
before potting and do all the pinching
back necessary. If field culture is un-
dertaken they should be set out as
early as possible and tied to a stake
to prevent the wind from breaking
them down and given good cultivation
all summer.

Hydrangeas.

There is always a good call for
hydrangeas up to the middle of July
and they are as valuable during
June as those bloomed at Memorial
day, and the plants are much
better than those that are forced
too hard. Give the plants plenty of
water and all the ventilation possible,
and all the room they require. If the
plants are on a shelf or stand it is
well to place the pot in a saucer, and
when watering fill the saucer, for they
are very succulent and the large leaves
and blooms wilt very quickly and often
before it can be seen that they are
dry. Good ventilation will prevent red
spider, for it is in dry, close places
that this little insect gets a good hold.
The stock for next season should be
moving about nicely, that which is in-
tended for early flowering should be

grown in pots, while those that are
grown for next spring and summer
flowering can be planted outside. For
the former a good frame with hose and
water handy is the best place to plunge
the pots, and those that are to be
planted out should be set as early as
possible. Keep the plants shapely by
pinching out the ends of the shoots,
but this should be stopped by July 1,
that the plant may make a finished
growth and set the bud by lifting time
in the fall.

Water Lilies.

The use of water lilies in floral work
has increased enormously during the
last few years, and any grower that
has a natural pond or a brook which
can be made into a small pond in
which they can be cultivated is losing
a golden opportunity in not undertak-
ing their culture. The making of ar-
tificial ponds is expensive and should
be left to the large estates, but there
are many low places with a brook run-
ning through them that could be made
suitable for the cultivation of water
lilies that are now utilized for no pur-
pose. While the native nymphæas are
used to some extent, it is the improved
cultivated plants that produce the at-
tractive flowers that are seen all the
summer in the florists' shops in the
large cities, and are used extensively
in floral work. The roots can be ob-
tained at this season and planted
either in the bed of the pond or in
boxes in good soil rich in vegetable
matter, and placed in the water two or
three inches below the surface until
they have made their first floating
leaves, when they should be gradually
lowered until they are about 15 to 18
inches below the surface. If cultivated
in this manner the plants are entirely
under control and can be made a good
investment.

Celosias.

The celosias that are to be grown
for show plants through the late sum-
mer and fall will need constant atten-
tion. The little plants move very
slowly and are subject to damping off
in the seed bed, or if they become too
dry, will burn off. They should not be
allowed to remain in the seed pan until
they become drawn, but potted into

small pots and kept well shaded until they begin to grow and then moved into a lightly shaded location. As soon as fully established and growing strongly a lightly shaded frame is the best location, where they can be given plenty of air and easily attended. Shift into larger pots as soon as the roots are well through the soil and pot them in a good strong compost. In mid-summer they can be moved into the greenhouse and placed on a light bench with sufficient shade on the glass to prevent all danger from burning the foliage and when the flower spikes appear stake and tie the plants to a good strong stake.

Crotons.

The croton is very popular for bedding out in some sections of the country, and where they grow well they make exceedingly decorative beds, but these plants are heat-loving subjects, and where cool nights are the rule they are not wholly satisfactory. They should not be set out until all danger of nights of low temperature are passed, for not only is there danger from frost but a succession of nights in the neighborhood of 40° will cause many leaves to drop. Where crotons are grown extensively propagation is practically carried on all the year round, but it is necessary during the winter months to have a propagation bench of great heat. In places where such a bench is not to be had, spring and early summer is a good time to propagate the young stock for next season. The cuttings root readily if kept moist both at top and bottom and it is much better to have a closed bench, that is, one with a sash on top that can be lifted which will keep the temperature and moisture even, and prevent draughts from blowing over the cuttings. The cuttings should be made from the end shoots when the plants are in active growth and the leaves tied up with a piece of raffia before being inserted in the sand, and they can then be placed quite close together, and with the sash down the bed can be kept close. When rooted they should be potted in a good turfy loam with a small amount of rotted cow manure added, but not too rich, and placed in a shady location in good heat until firmly established in the soil, when they can be given full sunlight. Too much sun or too strong draughts before they become established will often cause them to drop many leaves. Grown on in the houses during the summer, nice stock for the holiday and next year's trade can be obtained.

Asparagus and White Scale.

ED. AMERICAN FLORIST:

I am enclosing a piece of asparagus which is in a bad way and wish you would advise me of the cause and its remedy.

E. W. R.

Nebraska.

The asparagus in question is very badly infested with white scale, and the first thing to do in order to remedy such a condition would be to cut off and destroy the shoots that are so much covered with the insects. Then try either dipping or spraying with a solution of tobacco soap, or with a solution of nicotine, using the latter in accordance with the directions on the package. It may require several applications of the insecticide to clear the plants of the insects. W. H. T.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

A Timely Window Display.

The opening of the planting season offers suggestions for the florist to utilize the many popular plants the market offers. Why not take the idea of the Japanese flower vendors, whose beautifully filled baskets are generally



Wreath by A. Lange, Chicago.

One of the Many Designs Made by Mr. Lange This Week.



Croton Baron Rothschild.

strung on a pole and borne on the shoulders? The pole effect may be used in the window. Take, for instance, a good sized tree stump and nail to this a pole—even the ordinary curtain pole will answer and is easily obtained. Cover the pole and also the stump of the tree with green sheet moss, giving it the out-of-doors appearance.

This stump should be sufficiently tall to allow baskets to be hung on the pole and still have a goodly space between the floor and the baskets. The baskets should be of different

lengths and sizes. Fill one with pink and white geraniums, one with marguerites, another with pansies, using the blue colors; then start from the other side and use the same red, white and blue effect in the basket arrangement. The baskets can be the very cheap ordinary carrying kind and the price of each could be indicated. On the center of the stump, where the pole is fastened, fill in with ivy plants, allowing the vines to fall in graceful manner, trailing them to the ground which should be covered with green sheet moss.

Baskets filled with a miscellaneous collection of plants can be advantageously scattered around the window and farthest sides and labelled. In the foreground, directly in front of the stump, mass on either side in crescent shape pansy plants to represent a flower bed. At the back, in tall vases, arrange snowballs, taking the green ones for the center and the snowy whites for the edge. If a distinctive color scheme is desired, use the rich double red geraniums in the small baskets on the pole and feature miscellaneous baskets with different varieties at the sides.

It would, perhaps, be well to place an attractive window card in a conspicuous place with the following: "A suggestion for your garden or back yard. Take home a basket at the special grouping price." All of the garden plants of the small potted varieties can be prettily arranged as outlined. To still further enhance the attractiveness of the window large hydrangea plants can be arranged in the background with a group of Boston ferns. Small ferneries can also be suggested and will give a finish to the tout ensemble.

A. E. K.

Care of Plants in the Dwelling.

Alfred T. Bunyard, New York, in the Third National Flower Show Programme.

There is nothing more discouraging to the purchaser of living plants and cut flowers than their perishability. The first principle with regard to plants is never forget the fact that they are living things, and they require as close attention as anything that breathes, if you wish to keep them in a healthy condition. Some species require a great quantity of water, and others very little. Plants in living rooms require closer attention than those in conservatories, where they have good light from above. Plants in dark corners, if they must be placed in such situations, must never be over-watered; they should, to use a technical phrase, be left on the dry side, that is, the soil must never be allowed to become muddy; if it does happen, watch the plant until it has dried out thoroughly before watering again. This will sweeten the soil, and often save the plant.

A florist is invariably asked the question, "How often shall I water this plant?" The only correct answer is "When it needs it," which means the plant must be watched for that purpose. To water a plant at regular intervals is a mistake; if your rooms are warm with artificial heat, it will likely require water every day. Then also the size of the pot or tub makes a difference, and while a plant in a small pot may require water every day, those in larger pots or tubs would be sufficiently watered every other day, or even twice a week, but it is best and

safest to look them over every day. The condition of plants in earthenware pots can easily be judged by tapping the pot with the knuckles. If dry it will give off a hollow sound and should be watered at once. This is the truest test as often a plant will appear to be wet enough on top, while very dry under the surface. By this method, with a little experience one may tell instantly if a plant be too dry or wet.

PLANTS IN JARDINIÈRES.

I believe there are more plants killed by placing them in jardinières than any other way. Plants so placed must be carefully watched, as the accumulation of stagnant water is very detrimental to the welfare of growing plants, and will surely cause them to die if allowed to remain. Plant receptacles should be emptied and cleaned out at least twice a week.

KEEPING THE PLANT CLEAN.

Dust is another enemy. Plants breathe, that is to say, they give off and take up oxygen from the air, and dust closes the pores which prevents them doing this freely. For the same reason it is beneficial to change the air in the rooms at least once a day, by opening the windows if only for a few minutes. If they are gone over daily with a soft feather duster, they are easily kept clean. They should also be sponged off with tepid soapy water at least once a week. It is a mistake to use an oily or sticky substance in cleaning palms, as it not only clogs the pores, but it makes it much more difficult to clean them when once it has been used.

FLOWERING PLANTS.

If possible keep flowering plants in the coolest part of the room, and always water immediately upon arrival. Plants in bloom must never be allowed to get dry, as they are forced into flower with artificial heat, which makes them tender and susceptible to draughts. A plant that is badly wilted from dryness may often be saved by submerging the pot in a pail of water until fully revived. Hydrangeas and azaleas, and many other flowering plants that look quite hopeless may be brought back to their normal state by following these methods.

Flowering plants purchased in bud, give the best results and last the longest, but be careful the buds are not too tight, as these will only open under the most favorable conditions. This does not apply to bulbous plants which will give good results, even when the buds are only just starting to appear. Plants in flower should be given all the daylight possible, for the best results. Plants in full flower will last longer, however, if kept from the direct rays of the sun, as this hastens their development, thereby shortening their flowering period.

BEST PLANTS FOR THE HOME.

The selection of palms and foliage plants for home adornment has passed the experimental stage, and the up-to-date florist can tell you just which plant will do best in certain locations. Any plant will thrive in the house for a short period, but varieties with lasting qualities are confined to a comparatively small number and are the kind usually seen in the flower shops. Some of the most attractive and curious varieties of foliage plants are condemned for their poor keeping proper-



BASKET BY SCHILLER THE FLORIST, CHICAGO.

Rambler Roses and Lily of the Valley.

ties, and are only valuable for conservatories, or for temporary decorations.

The toughest of all house palms is the phoenix or date palm, but it lacks grace, and for that reason the kentia is usually preferred, its long graceful fronds being highly decorative, and an ornament in the finest houses. The areca, once largely employed for the purpose, is seldom used today, as it does not last well in houses. The durability of the rubber plant is too well known to comment upon it here. But the "violin rubber" so-called from the form of the leaf, which resembles the body of that instrument, has become a great favorite; the large, handsome foliage giving it a unique appearance, while its lasting qualities are of the best. The fan leaf palm, *Latania borbonica*, is indispensable for certain effects, but not especially robust for our purposes. Possibly the most graceful palms in cultivation are the cocos or coconut palms; *Cocos flexuosa* having a wonderful plume-like foliage, growing as high as twenty feet, and unequaled for corner or mirror decoration, as it takes very little space. Another palm of recent introduction, as a house palm having wonderful keeping qualities, and very graceful, is the *Phoenix Roebelenii*.

Next in importance to palms, are dracaenas, their varied form and coloring making them indispensable for certain effects, where a variety of coloring is required. Ferns also have an important place as house plants, and are perhaps better known and more widely used than any other plant. Of

these there is an endless variety, the most popular being the Boston fern and its varieties. *Cibotium Schiedei*, one of the most graceful and durable ferns, is particularly valuable as a decorative plant; its light green foliage makes it distinct from all others. It does well but must not be neglected with regard to watering, as there is no chance of saving it, once it gets thoroughly dry. There are many other plants that could be mentioned here, that do fairly well, but the varieties named are among the best for home decorations.

CUT FLOWERS.

A few words regarding the care and selection of cut flowers will, I hope, be of value to the amateur. I have always contended that if cut flowers could be made to last longer, most people would be interested in buying them, but the fact that they are so short-lived discourages many. Introducers and growers of cut flowers are all working to increase the lasting quality of their product, and only varieties of good keeping quality are considered. Cut flowers immediately on receipt should have the ends of the stems clipped and placed in deep cold water, unless they are to be used for immediate effect. Water must be changed daily, preferably the last thing at night, and the flowers placed in a cool place, away from draughts. If the ice-box is sufficiently large, that is the best place to put them, as they are then left at a good temperature, and away from the air. Flower buyers soon learn by experience the variety of flowers that keep the best, but the florist will will-

ingly give that information, as it is to his best interest to have his flowers give satisfaction to his customers. Many beautiful varieties of roses, carnations and other flowers have been discarded by the florist for their poor keeping qualities.

Hydrangeas for Memorial Day.

There is no plant more called for or better suited for Memorial day than the hydrangea, but heretofore we have not had a very good selection of colors to choose from. However, with the coming of the new French varieties we have some additions to the list that are a decided improvement over the older varieties. They are more dwarf in growth, freer in bloom and grand in color and size of flower heads. Having the whole set sent out by Henry A. Dreer, Inc., Philadelphia, Pa., on trial, a few notes on their adaptability for Memorial day sales may be useful.

Mme. A. Riverain.—This, in our soil, is a beautiful blue color. The flower heads are of the largest size and the plant is a good dwarf grower. The least that can be said of it is that it is a decided acquisition in every way.

Souvenir de Mme. E. Chantard.—This variety we consider one of the very best. The flowerheads are not as large as some, but the dwarf robust habit of its growth and the beautiful rose colored flowers give it a very striking effect.

Dentelle.—This we consider a very fine variety, being distinct from any of the others, both as to growth and flower. The color is pure white when

fully developed and the flowers are deeply serrated, giving them a beautiful appearance, the time of its flowering being just right for Memorial day without forcing.

Mme. Raymond.—When the flowers begin to expand they have the appearance of being coarse and of a dirty white color, but as they develop the color becomes a beautiful cream, shaded with pink; a very desirable variety.

Mme. Maurice Hamar.—A very fine pink variety with blue shadings. This variety forced for Easter will come a very pretty blue.

Mlle. Agnes Barillet.—We like this the best of all the white varieties, every shoot producing a large white bloom and the habit of the plant is of the very best.

Mlle. de Tremault.—An erect free growing white variety easy to do and worthy of more extended trial.

Botaniste Peltreau.—A very large flower of pretty mauve color. This looks to be a very fine variety.

Avalanche.—Also a very fine white. This is very easy to grow and of fine habit.

Mlle. Renee Gaillard.—This variety has the largest flowerhead of all the white varieties. The individual florets are very large and deeply serrated, making a very graceful looking bloom.

Ronsard.—Very similar to Mlle. Renee Gaillard in style of flower but a beautiful tinted rose color. A very fine variety.

Radiant.—This is, as its name implies, a beauty. The color is a beautiful deep pink, fine large flowerheads; very fine in every way.

La Lorraine.—Another very pretty pink variety and a good grower.

Mouselline.—A fine large white variety with a slight tint of pink. One of the largest flowers of any. The habit of the plant is good in every way.

Bouquet Rose.—This appears to be a fine thing but our plants of this variety are not as strong as the others, so we cannot tell enough about its qualities but intend to continue growing it.

General de Vibrayz.—This variety, contrary to expectations, is later than the others, therefore we cannot tell much about it at this time, but it seems to be a promising variety.

Mont Rose.—A very fine pink variety, very free with larger flowerheads and a good grower.

C. W. JOHNSON.

The Minneapolis Park System.

Minneapolis, Minn., has today a park system of 3,710 acres. Of this total area about one-third is made up of lakes, lagoons and canals. Park history dates back to 1857, but active acquisition and development commenced only with the creation of the board of park commissioners in 1883, and the existing three small squares were at that time transferred to the jurisdiction of the board by the city council.

The well distributed and comprehensive system of parks and parkways bears testimony to the wisdom and forethought exercised by early public-spirited citizens; and the securing and developing of what is rightly considered one of the city's chief assets has



MINNEAPOLIS PARK SYSTEM.

Canna Border in Loring Park.



MINNEAPOLIS PARK SYSTEM.
Ornamental Grasses, Cannas, Etc., Loring Park.

been in capable hands. Minneapoltans are justly proud of the city's park possessions, and visitors are agreeably surprised at the liberal way nature has endowed the system. Many and varied are its natural advantages and attractions. Park authorities agree that it will rival any in the country. Famed are its system of urban lakes, the historic falls, the mighty river and an almost endless variety of picturesque scenery. The city devotes one acre in every ten of its entire area to public recreation purposes; a much greater proportion than in any of the twenty-eight principal cities in the United States having a population exceeding 250,000 each. The park system represents an investment of over \$6,000,000 for land and improvements, and the value of donations is estimated at about \$800,000.

A brief description of the system will give a general idea of the park possessions. Loring Park, of thirty-six acres, named in honor of C. M. Loring, known as the "father of the Minneapolis park system," is the most centrally located, and is much admired for its natural beauty and the many embellishments provided by the hand of man. The system of parkways starts at this point, and for a distance of seventeen miles one travels continuously on park lands over an ever changing course, connecting many of the principal parks through varied and beautiful scenery. Kenwood parkway, starting at Loring park and going west, skirts on the right the Parade, a large open space of sixty-eight acres, ideal for a playground and

athletic field, and then through a fine residential district, past the wooded and rolling Kenwood park of thirty-three acres, and connects with the chain of magnificent urban lakes, with finely wooded shores and splendid encircling boulevards.

Lake of the Isles, of 200 acres (water area 107 acres), is the first, and rightly called the most picturesque, with its pretty islands and irregular shore line. Next, in a southerly direction, we come to Lake Calhoun, of 522 acres (water area 460 acres), the largest of the system. This lake is much used for sailing, boating, canoeing and other water sports, and here is located the commodious Calhoun baths, said to be the most up-to-date in the country. A little farther south is Lake Harriet, of 408 acres (water area 353 acres), the favorite recreation spot of park visitors. Free concerts are given here daily during the summer by the famous Minneapolis park band, and canoeing, boating, fishing and spacious picnic grounds add to the popularity of this resort.

Minnehaha parkway connects with Lake Harriet boulevard, and in an easterly direction follows the winding course of Minnehaha creek through natural scenery of hill and dale the whole distance of five and one-half miles, past Lake Nokomis, of 409 acres (water area 295 acres), and then bringing us to that romantic spot called Minnehaha park, of 142 acres, considered by many the gem of the park system. Here we have the celebrated Minnehaha falls, immortalized by the poet Longfellow.

From here we follow the course of the Mississippi river along the west bank in a northerly direction. The boulevard is built on the bank high above the river, and the land between the drive and river is rolling, irregular of contour and finely wooded. For a distance of three and one-half miles we travel along the west bank through attractive natural scenery and get occasional glimpses and again unobstructed views of the Mississippi river and gorge. At Franklin avenue we cross over to the east side, and continue along River road east, which connects with the grounds of the University of Minnesota and brings us within three miles of our starting point at Loring park.

There are many other parks, large and small, embracing a general plan of large and medium-sized neighborhood parks, at convenient distances, throughout the city, there being 85 in all, ranging from one acre or less to 584 acres, which is the size of Glenwood park, the great scenic park of the system. This grand natural park of hill, meadow, woods and lakes will soon be linked with the system of parkways through connection with the Cedar Lake boulevard from Lake of the Isles. The nursery, supplying practically all the planting material for the various park plantings, is located here at Glenwood park, also a wild botanic garden.

The chief attraction at Lyndale park is the rose garden, and rose culture in the northwest has received a great stimulus through the successful development of this garden. It is the Mecca



John Staack.
President Tri-City Florists' Club.



William Knees.
Treasurer Tri-City Florists' Club.



Chris Sorensen.
Vice-President Tri-City Florists' Club.

for visitors during the flowering season. Trailing and climbing roses are planted along the enclosing fence, and arbors, and border plantings of wild roses enhance its setting. The adjoining grounds are being developed along the lines of an arboretum. Among the many attractive and pleasing features of the park system that has received hearty popular approval are the elaborate, appropriate and well-arranged floral displays. There are about 300 flower beds in the different parks, and approximately 200,000 plants are used in their embellishment. All the material for this purpose is grown at the Park Board greenhouses.

Splendid opportunities have been provided for the enjoyment of outdoor sports of all kinds; particularly is this true of water sports. At Lake Calhoun the recently finished and splendidly arranged bath house furnishes accommodations for 1,300 bathers at one time. The building is of pleasing design, concrete construction, fire-proof throughout, and cost about \$65,000. Admission to the baths and use of all the privileges are free. In connection with this building is provided the finest inland bathing beach known. The beach is 1,400 feet long and 150 feet wide, gradually sloping into the lake. There are also bath houses at Glenwood lake, Lake Nokomis and Camden park.

Minneapolis has eight modern, well-equipped and properly supervised park playgrounds, and several more are being improved and equipped. In most parks play apparatus for the children is provided, and there is almost unlimited opportunity for tennis, baseball and kindred sports. Great strides in park improvements have been made here during the past seven years, and the money liberally and judiciously expended has brought results which, to be appreciated, must be seen. Minneapolis is justly proud of her park possessions, and is particularly glad of an opportunity to show so well informed a body on park matters as the S. A. F. her system of parks and boulevards.



Arvid Anderson.
Financial Secretary Tri-City Florists' Club.

Park System of Copenhagen.

The area of the public parks and gardens in Copenhagen, Denmark, belonging to the municipality amounts to about 125 hectares (309 acres), of which about 75 hectares (185 acres) have been added during the last 35 years. About 60 hectares (148 acres) of these 75 have been constructed especially for sports. Some 13,000 trees are planted in the streets and roads of Copenhagen, and the total expenditure for the maintenance of the municipal parks and trees amounts to \$48,240 annually, of which about \$8,040 is for inspection. Besides the area of municipal parks and gardens given, there are about 75 hectares of parks in Copenhagen belonging to the State, consisting of parks and gardens surrounding old castles. The annual expenditures for the maintenance of these parks amounts to \$17,420, of which about \$4,020 is for inspection. The city of Copenhagen, including the suburb of Frederiksberg, has a total population of 559,398.

THE ROSE.

Early Planting.

Rose growers, like carnation growers, are planting much earlier than in former years. The benefits derived from early planting are many. The young stock gets the advantage of the best growing season and has more time to form a thrifty bush before taking a first cut. Where a system of record keeping is strictly enforced the cut from houses planted in May will show a vast superiority both in quantity and quality over those planted in July.

The repairing of the benches takes up considerable time which can be ill-spaced at this season and those who are fortunate to have cement or other indestructible benches are to be envied. Wood benches after being repaired should be thoroughly washed and get a wash of hot lime. This helps to preserve the wood and also destroys insects and their eggs. The sash bars also should be cleaned of all scum and dirt, which has accumulated during the winter. The old soil should be removed from under the bench and everything made clean and tidy.

To hasten the young stock a sprinkling of bone meal should be added to the soil; twenty pounds to a bench 43x100 feet is enough at this time. The balls of the young plants should be disturbed as little as possible and should be exposed just as short a time as possible to the drying air of the house after being taken out of the pot. Any ball showing dryness should be dipped in water previous to planting, as it is difficult to water it thoroughly after it is planted. Water each plant carefully around the ball, keeping the rest of the soil dry. Continue this individual watering for a week, syringing the plants twice a day during bright weather. The afternoon syringing should be done early enough to have the foliage dry by sundown. C.

BROCKTON, MASS.—Robert McIntyre, 114 Gladstone street, Campello, has built an addition to his greenhouse.

CHRYSANTHEMUMS

Planting Time.

The time for planting the stock intended to be grown in the bench for exhibition and fancy cut blooms is at hand. To get the best results for these purposes and be able to make the plants produce the big heavy blooms of great depth necessary for exhibition the plants must be given a long season of growth and they should be planted into their permanent quarters as soon after May 20 as possible. The first thing to consider before attempting to plant is to make sure that the new stock is clean and healthy, so there will be no check in planting and the plant will take hold and commence to work right away. This stock requires a good rich soil which should be a little inclined to be heavy in order that the plants may make a short-jointed, vigorous growth. If the soil is light in nature the plants will grow very tall and long-jointed, making them very difficult subjects to produce exhibition or high class blooms from. Before bringing in the soil the general routine work of preparation should be followed out, cleaning out every bit of rubbish and attending to all the needed repairs, then giving every crack and corner a thorough good washing out with the hose.

Everything that can be given for these plants to feed on is so much gained; for this reason I have found it beneficial to use well rotted manure to cover up the cracks in the bottoms of the benches, which by the time the roots get through the soil is in fine condition for them to work in. As I have said before, this class of plants require a rich soil, but green manure should be avoided because of the danger of the roots getting a check and the plants turning yellow. After the soil is on the benches and before planting is begun give the beds a good firming down and even up the surface, and as each plant is planted the soil should be well firmed around it. The distance apart that these plants should be set depends somewhat upon the character of the growth of the variety, some having very much heavier foliage than others; consequently they need more space than those of light foliage. But all varieties should be allowed ample space for the proper development of the bloom. Another very important item when figuring on the planting is to be sure to allow sufficient head room for the plants to develop their blooms. Also do not plant a dwarf variety between two tall growing varieties but plant the tall growers by themselves and the dwarfs by themselves.

When planted, water directly around the plants only until the roots have taken hold of the soil, so the soil will keep fresh and sweet for the roots to work into. As quickly as the plants require it, attend to the matter of supports. This is very important, because if the stems get badly crooked it takes some time for them to straighten out again. The early propagated stock of the early flowering varieties should also be planted at this time to encourage them to make a rapid growth, so that the wood will ripen early and mature the blooms at the proper time. The exhibition stock being grown in pots both for fancy cut blooms and for specimen

plants should be potted along as they are in need of it to give them all the show possible to make growth. The commercial stock should also receive attention to get it into shape. If any of the earliest propagated stock becomes hard and woody shift them up into a larger pot to carry them along until they can be benched. Also pay close attention to working up the stock of late varieties.

C. W. JOHNSON.

An Ax To Grind.

"Mr. Pulsifer, our new neighbor, says our fruit trees should be trimmed," said Mrs. Jamesworthy. "He says they'll never bear fruit the way they now are. He was a nurseryman for several years and knows how to do the work properly, and says he'll do it for 50 cents an hour."

"If Mr. Pulsifer doesn't like the looks of our trees he can go to thunder," replied Jamesworthy. "So we have another officious neighbor who is eager and anxious to tell you how to blow in the few thalers your toil-worn husband has accumulated in blood and tears. And instead of bating him over the head with the fire shovel you listen to his incendiary remarks and now I suppose you figure on camping on my trail until I loosen up and engage this Pulsifer pirate to come and mutilate my vines and fig trees."

"There's nothing to it, Mrs. Jamesworthy. You'll see the pigs flying and the cow swinging on the garden gate before you see me handing out my large, round piasters to such a man as Pulsifer."

"If the trees were worth it, I could prune and trim them myself in two hours, for I also worked in a nursery in my youth. I was employed in one of the largest nurseries in the west for half a day, driving a blind mule, and what I don't know about trimming trees isn't worth knowing. Just give me a spokeshave and a jackplane and I'll trim a tree until it brings tears to your eyes."

"But first I want to be satisfied that the trees are worth trimming, and ours are not. We bought them from an oily tongued stranger, and he said they were apple and cherry trees, but his tongue was forked. He was one of those men who couldn't tell the truth unless they were under the influence of an anæsthetic. The trees are slippery elms and basswoods, and they'll never produce any apples or cherries in a thousand years."

"You might as well hire a man to trim the fence posts in the back yard and then expect them to produce gooseberries. But you never consider such things when you see a chance to spend my paltry savings. Any old scheme appeals to you if it will put me a few rods nearer to the poorhouse. You'd be perfectly willing to hire such a corsair as Pulsifer and have him hang around here until the robins nest again, sawing a few twigs off those trees and talking politics and woman suffrage at the rate of 50 cents an hour. If he once got started at such a job he'd never break loose from it until he saw my goods and chattels sold at auction to satisfy my creditors. That's the kind of a man Pulsifer is."

"As for spending any real money to trim those imitation trees in our back yard, the idea is preposterous! We could buy enough cherries and apples

to last us the rest of our natural lives for what Pulsifer would charge for shingling one tree."

WALT MASON.

Niessen Co.'s New Home.

One of Philadelphia's most modern reinforced concrete buildings is that erected for the Leo Niessen Co., wholesale florists, at the northwest corner of Twelfth and Race streets. The new building has eight stories and a basement, with the advantage of facing three streets, having a frontage of 58 feet on Race and Spring streets and 100 feet on Twelfth street. The interior and exterior columns, also the floors and roofs, are of reinforced concrete. Cage construction was used, and the entire framework was erected before the walls were begun. There is one row of interior columns extending longitudinally, 16 feet apart, the girders having a span of 29 feet at right angles thereto. The exterior of the building is of cream-colored pressed brick, with granite and terra cotta trimmings. The first story is 22 feet in height and contains a mezzanine story of about one-half its area; the upper stories are 13 feet 4 inches in height. The basement and the first floor will be used for the wholesale florist business, while the upper floors will be occupied by tenants for light manufacturing purposes.

OBITUARY.

G. L. Grant.

G. L. Grant, formerly identified with the trade of Chicago, died at Soquel, Calif., May 18, following an operation for appendicitis. Mr. Grant was at one time president of the Chicago Florists' Club. He was a telegraph operator and drifted into trade press work through Vaughan's Seed Store, at which place he was employed when THE AMERICAN FLORIST, the first trade paper, was established. He leaves a widow and five children.

Charles L. Doran.

Charles L. Doran, for years a familiar figure in the cut-flower business of New York city, died at his home, 1015 Walton avenue, Bronx Borough, May 15. He was nearly 60 years old. Mr. Doran's father was a florist before him and Charles grew up in the business. He at one time conducted a large retail store on Sixth avenue near Forty-fifth street. He was a democrat and actively interested in politics. In late years his activities had been devoted to contract work, some of it being in the city parks. He was known as a genial and kindly man who made many friends. He was married and leaves a family. A. F. F.

Elbridge G. Moore.

Elbridge G. Moore, aged 78, died recently at his home in Milford, Mass. Mr. Moore had been a resident of Milford for 50 years and had long been known as a successful florist. He had been in poor health for a year and a half. He was a veteran of the Civil War and prominent in the G. A. R. He is survived by the widow and one brother.

Chas. P. Bender.

Chas. P. Bender, one time proprietor of a nursery in Fruitvale, Calif., died at his home in Melrose at the age of 73. He was a soldier in the Civil War and a member of the G. A. R.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earliest possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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SUBSCRIBERS should renew promptly to insure regular delivery of the paper. The yellow address label on the paper shows date of expiration.

SOME growers rename gladioli and other plants so that they can make more money out of them than they are worth, and these growers will pay heavy penalties and perhaps go to jail when we get a plant law similar to that which now exists for food products. The men who are now doing this are "speeding the day" of such a law, one which, when enacted, will work hardships on innocent members of the trade.

Chicago Peony Show.

The peony show of the Horticultural Society of Chicago has been set for June 12-13, at the Art Institute, date subject to change as the condition of the crop warrants. The premium list will be ready in a few days and includes medals and cash prizes. Copies may be had on application to Secretary R. J. Haight, Rand-McNally Building, Clark and Harrison streets, Chicago.

Third National Flower Show.

PREMIUMS DISTRIBUTED

The cash premiums have all been awarded and distributed as have also the silver cups so generously donated by different parties. Checks have been mailed to the Rose, Carnation, Sweet Pea and Gladiolus Societies. The committee is making this fact public at this time so that if any winner has not received his prizes in full he will kindly communicate at once with the secretary, John Young, 54 West Twenty-eighth street, New York. The medals will be sent out as soon as they are received and a complete report of the show will be submitted to the S. A. F. at the convention in August. The flower show committee begs publicly to thank every individual and society that contributed to the success of this exhibition.

CHARLES H. TOTTY, Chairman.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Public notice is hereby given that R. Vincent, Jr., & Sons Co., of White Marsh, Md., offer for registration, the following geranium:

RAINERS' DESCRIPTION.

Name: Maryland. A semi-double geranium, the result of a cross of Alphonse Ricard and La Pilote, showing the character of growth and habit of blooming of La Pilote combined with the size and substance of the Alphonse Ricard. The color is a most dazzling, fiery red. The florets average about 2 inches in diameter. The foliage has a heavy chocolate zone.

BAUSCHER'S REGISTRATION COMPLETE.

As no objections have been filed, public notice is hereby given that the registration of the geranium American Beauty by John Bauscher of Freeport, Ill., becomes complete.

JOHN YOUNG, Sec'y.

May 15, 1913.

National Insecticides Law Needs Amending.

Most persons interested in insect control are generally familiar with the national insecticide law, and it is generally regarded as a good law. Honest manufacturers favor the law because it protects them from the dishonest manufacturers. The prosecutions, however, by the government under this law would make it appear that the manufacturers of insecticides and fungicides were a set of rogues and thieves. The fact is there is no class of manufacturers that strive more earnestly to make high-class products. The competition is such that any other course would be suicidal. Furthermore, the injury to trees and plants by the use of imperfect or adulterated insecticides is such as to invite legal entanglements and much unfavorable advertising, so that manufacturers of insecticides are more than cautious.

A recent decision in the United States Circuit Court, according to the Fruit Belt, involved a manufacturer wherein he was compelled to plead guilty to sending out adulterated insecticides and was subjected to a fine of \$200. Unfortunately the newspaper reports of these cases seldom give all the facts and the reader is left with a prejudiced opinion of not only the manufacturer in question but all manufacturers in general. The charge in this particular case was that the label on the package stated this maker's arsenate of lead contained 15 per cent.

of arsenic acid and not over three-fourths of 1 per cent of water soluble arsenic acid. While the package in question, as found by the government inspectors, contained a fraction less than 15 per cent of arsenic acid and a little over three-fourths of 1 per cent of water soluble arsenic acid, the difference being so small that the value of the arsenate of lead as an insecticide was not lessened in the least, and yet this manufacturer had to plead guilty to a wilful violation of the law in order to escape the greater penalty that might be imposed and the additional cost of fighting the case on a final appeal to a higher court.

This particular package which showed misbranding under the act of congress that the government inspectors investigated may perhaps have been the only one out of 100,000 packages manufactured that did not meet all the requirements of the law, and this particular case may have been the fault of a workman who failed to carry out fully the instructions of his employer. Had he done so he would have saved his employer the humiliation, the fine and the loss of business that this suit entailed.

This is one instance with only one manufacturer, but we understand that almost every manufacturer of insecticides in the United States has been enjoined, for one reason or another, within the past year. One case where it was stated on the label that the contents of the package would positively kill all leaf-eating bugs, and the qualifying statement that it would do this if properly applied was omitted. This was construed by the court as misbranding, and, therefore, a violation, and the manufacturer in this case was fined accordingly and received the usual amount of injurious advertising.

The Fruit Belt favors the insecticide act, but we do not wish to see it administered in such a manner as to impeach the integrity and character of responsible and honest men. Just what the attitude of the department at Washington is, whether against the manufacturer of insecticides, or that they are doing the best they can with a law that does not furnish adequate protection to the manufacturer of insecticides, we do not know, but we do know that unless the manufacturer has more protection than the present action would indicate he must either quit business or employ more expert supervision over the compounding of his products, which means increased cost to the consumer. With but one or two exceptions violation of the law is charged. Therefore we believe there is something at fault somewhere which should be corrected, as it would be wholly unjust to impugn the motives of so large a number of manufacturers of a commodity that is so necessary to American agriculture and horticulture.

Tempted.

"I thought you had planned to spend all day working in the garden."

"I did. But I started to dig and the worms were so plentiful that I changed my mind and decided to go fishing."—Detroit Free Press.

There are Some Improvements.

"These seed people are as particular about getting out an annual floral catalogue as are the automobile people."

"Why shouldn't they be?"

"I didn't suppose there were any new moleds in jonquils and daffodils."—New York Evening Mail.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—As a working foreman, single, strictly sober and a good grower of cut flowers and potted plants; good designer and hustler. Key 811, care American Florist.

Situation Wanted—On commercial or private place by young man, aged 22, seven years experience in general greenhouse work. Private preferred. Key 828, care American Florist.

Situation Wanted—As a working foreman; married; strictly sober and a good grower of cut flowers and potted plants; good designer and a hustler. Key 827, care American Florist.

Situation Wanted—As saleslady and designer in a Chicago retail store. State salary and hours when writing. Address. Key 834, care American Florist.

Situation Wanted—Man fully experienced in all lines of outdoor and indoor gardening is open to engagement where high grade gardener is needed. Address. Key 835, care American Florist.

Situation Wanted—By Englishman, 14 years experience in all branches, seven in America. Well versed in orchids, roses, fruit culture under glass, and all kinds of cut flowers, lawns, etc. Age, 29. Key 833, care American Florist.

Situation Wanted—Manager and foreman now in charge of about 80,000 feet of glass, wants a change; a good grower or manager of a store; first-class salesman and designer; can take charge soon. Key 817, care American Florist.

Situation Wanted—Head gardener, Englishman, age 40, married, without family. Life experience in all branches, including Orchids, Roses, Carnations, Mums, Early Forcing, fruit and vegetables, etc. Good references. Address. E. RICHMOND, Elma Center, N. Y.

Situation Wanted—Florist and Gardener of 20 years experience on a private place or public institution; first-class grower of Orchids, Cut Flowers, and Vegetables, under glass or outside. Best references. Address. Key 818, care American Florist.

Situation Wanted—By a young man 22 years old, as assistant in retail florist establishment; has general knowledge of the business and can act as salesman and maker-up. Excellent references furnished as to ability. Call or address J. S. DONATO, 82 East 115th St., New York, N. Y.

Situation Wanted—By gardener, Scotch; as head in private place; experienced in all branches of gardening, inside and out. Over 20 years in large establishments growing all kinds of greenhouse plants and vegetables. Also care of lawns and landscape work. Age 37; married; no family. ARCH LITTLEJOHN, 39 Temple St., Somerville, Mass.

Situation Wanted—Landscape Architect (German) 29 years of age, first-class technical and practical knowledge of landscape gardening. Expert in layouts of artistic plans and estimates for municipal and private parks. Recently employed as manager for some of the largest landscape contractors of Germany. Excellent references. Key 809, care American Florist.

Situation Wanted—On commercial or private place by an all around man with 20 years of practical experience in this country and Europe; single, 35 years of age. Can furnish the best of recommendations from leading firms. Pot plants, roses, carnations and landscape gardening a specialty. State salary when writing. Address. GEORGE BAKAITIS, 5433 North Secely av., Chicago

Situation Wanted—As head gardener and florist superintendent on private place; English, age 35, married, one child aged 8 years. At present engaged, but desire change; life experience in all branches—hot house plants, cut flowers and fruit under glass, vegetables, lawn perennials, and the general routine of a well kept estate; 4 years and a half in present place; first-class references. Key 813, care American Florist.

Help Wanted—Filling window boxes, vases and bedding out, \$16.00 per week; 35c per hour overtime. R. J. SOUTHERTON, Highland Park, Ill.

Help Wanted—Boys and young men to help in and around greenhouses. Also men who have had some experience in tea roses. POEHLHANN BROS. Co., Morton Grove, Ill.

Help Wanted—Two bright young men—Carnation Growers—who have had charge of growing sections. State wages, etc. Address. Key 832, care American Florist.

Help Wanted—Experienced saleslady for Chicago retail store. One who has a little knowledge of bookkeeping preferred. Address. Key 842, care American Florist.

Help Wanted—A good Chrysanthemum grower and Plantsman; single preferred. Good wages and steady position if he makes good. METAIRIE RIDGE NURSERY CO., Ltd., New Orleans, La.

Help Wanted—Florist to take charge of greenhouses, propagating and bedding out of plants in the Topeka City Parks under the superintendent. A man of middle age who received his training in Germany or other parts of Europe preferred. Salary \$65.00 per month. Apply to E. F. A. REINISCH, Supt. of Parks, Topeka, Kans.

For Sale—Several ice-boxes at a reasonable figure. Address. Key 838, care American Florist.

For Sale—10,000 feet of glass in the best town for its size in Illinois. No competition; a money maker. Address. Key 821, care American Florist.

For Sale—1 Morehead Return Steam Trap and Receiver, almost new, \$45.00. JOS. MILLIGAN & SON, Florists, 1044 Clydesdale Ave., Salt Lake City, Utah.

For Sale—Good paying retail store in Chicago. Fine location. Other business to look after reason for selling. For further particulars address. Key 837, care American Florist.

For Sale—Cheap, a first-class refrigerator, small delivery wagon and several store mirrors. A bargain. Act quick. JOHN CANGER, 17 E. Monroe St., Chicago.

For Sale—Greenhouses, 86 x 120 ft., 5 runs of ventilators 120 ft. each, 2 boilers of 20 and 40 horsepower, all steam and water pipe and hose bibs. For particulars address. O. L. BAIRD, Dixon, Ill.

For Sale Cheap—Two horizontal return tubular boilers, one 50 h. p., one 40 h. p., suitable for greenhouse or heating plant. Write for full description and price. W. H. BARRETT, Adrian, Mich.

For Sale—Dandy second hand ice-box for \$175. Just the box for an up to date Chicago retail store. Biggest offer ever made, so get busy and answer this Ad now. Key 839, care American Florist.

For Sale—Well located retail store, centrally located, doing good business for over five years. This is a rare opportunity, price very reasonable; going south object of selling. Address. Key 804, care American Florist.

For Sale—A good paying florist business in Pennsylvania. 9 greenhouses, 27,000 feet of glass, good wholesale and retail trade, well stocked with bedding plants, roses, carnations, sweet peas, lilies, and ferns. The greenhouses are in good condition, with hot water and steam. Reason for selling am not a florist. Will sell at a bargain. Key 824, care American Florist.

For Sale or Lease—5 greenhouses at Madison, N. J., 1 mile from station, 4½ acres of land, 9-room dwelling, up-to-date, cheap, and low rent to prospective buyer. Address. R. S., 265 Rosedale Ave., Madison, N. J.

For Sale—Here is an opportunity in the "Far West" where there is no hay fever, floods or cyclones: A well established and paying florist business, in a city of 12,500, controlling the select trade of the city and surrounding country, with another store 80 miles away in a town of 4500, which is the only store in the town. The plant consists of two stores, three greenhouses 10x125 each, one lean-to 9x125, all attached, hotbeds and sash, 35 H. P. T. boiler, four room dwelling, large boiler room and potting shed, complete pumping plant, automobile, 3 3-10 acres land; everything first-class and in first-class condition. We sell more than we can produce. This is an opportunity to get into the business in a new and fast growing country. Books are open for inspection. Reasons for selling will be given. Address. Key 840, care American Florist.

Wanted—To buy florist store or good location for same in live town. Bargain. Address. Key 825, care American Florist.

Wants to Rent Store—Advertiser wants to rent a retail flower store in Chicago where a good business is being carried on. State full particulars. Address. Key 836, care American Florist.

FOR SALE.

Great Bargain. Greenhouse in Salida, Colo. Six thousand feet glass; good dwelling; within four blocks of business centre; well stocked with plants and flowers; fine trade, local and shipping. J. H. FREEMAN, Salida, Colo.

For Sale at a Pick Up Price

An up-to-date wholesale and retail florist plant in the vicinity of Chicago. It contains about 70,000 square feet of glass, 12 to 20 acres of first-class land, large dwelling house in good shape, everything modern. The whole place high and dry, \$10,000 cash, balance to suit. Do not write unless you mean business. Address. Key 830, care American Florist.

TO LEASE

On account of retiring from business I will lease my greenhouse plant for a term of years, to a responsible party on or about July 1, comprising about 35,000 feet of glass, 11 houses to be put in good order. Mostly new boilers (hot water). This place is suitable for growing any kind of stock, Roses, Carnations, etc. Part of this range are Lord & Burnham houses, some of iron construction, all stock on place for another year. Dwelling house, barn and enough ground to run place. This range is situated in the vicinity of New York, in a wealthy town with a good retail trade; this place will be rented right. Address. Key 841, care American Florist.

Offer Them Now

ALL SPECIALTIES

**For Cemetery Use
All Bedding Plants
Window Box Stock
Plants for Vases**

WHILE DEMAND IS STRONG

Shipping Labels for Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Size 6½x4½.



Price per 500, \$2.85; per 1000, \$4.50 Send for samples.

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.

American Florist Co., 440 S. Dearborn Street, Chicago.

St. Louis.

MARKET CROWDED.

The market during the past week has been very crowded. Flowers of all kinds have been plentiful. Outdoor flowers, such as roses, peonies, etc., have influenced the market. Miniature gladioli are very plentiful. Mrs. Francis King, America and Augusta are bringing good prices. Lilies are quoted from 8 to 10. Lily of the valley is also plentiful. The better grades of sweet peas have stiffened somewhat in price. Roses and carnations have been extremely plentiful. Dagger ferns are in.

NOTES.

The F. C. Weber store is a very pretty sight with a good supply of good blooming plants and an endless assortment of all cut flowers in season. Mr. Weber is very enthusiastic over carnation Delight which is a great keeper.

Edward P. Cizkowski, the Cass avenue florist, will occupy the store at 1510 Cass avenue, formerly occupied by Mrs. E. C. Simmonds. He will thoroughly overhaul the stock and fix up a very pretty store.

Otto G. Koenig, one of the recently elected city councilmen, is out with a bill to further the establishment of a zoo in Forest park with many other improvements.

The Southern hotel will be reopened. This will be a good thing for the Riessen Floral Co., which always did a big business with this establishment.

The growers and plantsmen have organized a county club. They will hold monthly meetings. Any grower in the county is eligible to membership.

The Windler Wholesale Floral Co. had an immense stock on hand Saturday, but this stock was well cleaned up before 10 o'clock.

The Red Bird Floral Co. had special

sales Saturday of all varieties of flowers. Their store on Sixth street was crowded all day.

John Barnard is doing a very nice business and his trade is fast growing. He has purchased a large touring car.

The Wm. C. Smith Wholesale Floral Co. had a splendid stock of gladioli and also Killarney roses.

The wholesale grocers are meeting here this week and are invited to visit Shaw's Garden in a body.

C. A. Kuehn had some extra fancy lily of the valley, fine carnations and some very fine peonies.

F. H. Weber seems to be doing good business all the time. He has always a fine stock on hand.

George H. Angermueller's stock of long stem American Beauty roses is very fine.

The Diemer Floral Co. is always busy. The buyer is daily at the market.

Luther Armstrong is shipping some nice Shasta daisies into the market.

H. G. Berning has a fine stock of everything. W. F.

Morris County Gardeners and Florists.

At our regular meeting of May 14 Arthur Herrington gave us an illustrated lecture on "Tree Planting." The views were clear and every detail, from the digging out to the setting, was shown in a remarkable manner. All the trees illustrated were of quite large size, making it all the more interesting. The root-system was in many cases over 20 feet in diameter, which was shown by comparison of a 6 foot man standing beside a tree ready for transit. Mr. Herrington received the applause of the members and a rising vote of thanks for his lecture, which was given in his happiest vein.

A very fine specimen of *Cattleya gigas* was brought down by J. Linda-

bury, gardener to Robt. D. Foote. It had over 30 blooms in perfect condition and the judges awarded it a silver medal. At the next Fall Show, which will be held October 28-29, vegetables will be a special feature. The "Madison class," first prize, \$75.00; second, \$50.00; third, \$25.00, will, it is hoped, bring many exhibits from other places. It will be an open class and we would like to see this class made worthy of the name of Madison. We would like to have our sister societies as well as individuals help us to this end. E. R.

Washington.

BUSINESS FAIR.

Business is fair with the local florists. Commencements are calling for a number of bouquets and some very pretty decorations. Peonies are the principal flower. They are at their best with the best selling for \$10 a hundred, while others are bringing from \$4 to \$6.

NOTES.

Geo. H. Cooke had the church and home decoration for the wedding of Miss Frauline Perkins to Capt. Wallack. The church was very prettily decorated with plumosus, white peonies, Easter lilies and cibotium ferns. The decoration at the home of the bride consisted mostly of palms, ferns, and hydrangeas with large vases of American Beauty and Killarney Queen roses placed around the rooms.

Gude Bros. had an order from the Washington fire department for one hundred and fifteen wreaths to be placed on graves of deceased firemen.

Z. D. Blackistone has started to cut down his large force of help by letting one of his decorators and three of his clerks have a long vacation.

Visitors: O. Gresham, Atlanta, Ga.; S. Bayersdorfer, Philadelphia, Pa.; John Buback, New York. G. C. D.

SATISFACTION PLANTS

READY FOR SHIPMENT

Roses

Milady and Mrs. Geo. Sawyer, Grafted—\$30.00 per 100; \$250.00 per 1000.

Mrs. Chas. Russell, Grafted—\$35.00 per 100; \$300.00 per 1000.

Mrs. Taft, Mrs. Aaron Ward, Richmond, Killarney, White Killarney, Lady Hillingdon, Radiance, Bon Silene, Bride, Golden Gate, Grafted—\$15.00 per 100; \$120.00 per 1000. Special prices on large quantities.

FOR IMMEDIATE SHIPMENT.

A special offer of Roses on their own roots in lots of 500 or more. **Mrs. Taft, Richmond, Lady Hillingdon, Killarney, White Killarney.** 500 for \$20.00; 1000 for \$37.50.

Bedding Plants.

COLEUS—Verschaffeltii, Golden Queen, Golden Bedder, Beckwith's Gem, Firebrand, Lord Palmerston, from 2½-inch pots, \$2.50 per 100; \$20.00 per 1000.

SALVIA—Schenley, Ball of Fire, Bonfire, King of the Carpet, Splendens, Zurich, from 2½-inch pots, \$2.50 per 100; \$20.00 per 1000.

Cannas.

1000 Richard Wallace; 500 J. D. Eisele; 500 Pennsylvania, \$7.00 per 100; \$60.00 per 1000.

Poinsettias.

June and July delivery. \$7.00 per 100; \$60.00 per 1000.

Bedding Roses.

From 5-inch pots.

Climbing Roses, Polyanthas, Hybrid Teas and Hybrid Perpetuals. Our list on Application. **Killarney, White Killarney, Mrs. Aaron Ward, Mme. Jules Grolez, Caroline Testout, Kaiserin, Gruss an Teplitz and Mrs. Taft.** \$30.00 per 100 in lots of 25 or more of a variety.

Geraniums.

From 4-in. pots in bloom and bud. 2000 S. A. Nutt, and 1000 Comtesse de Harcourt at \$8.00 per 100; 1000 Beaute Poitevine at \$10.00 per 100.

Gardenia Veitchii.

From 2½-inch pots, \$7.00 per 100; \$60.00 per 1000. From 3-inch pots, \$12.00 per 100; \$100.00 per 1000.

Chrysanthemums.

Special for June. **Chrysolora** and **Chas. Razer**. Rooted cuttings. In lots of 500 of a variety at \$20.00 per 1000. We expect to ship 150,000 'mums in June. How many do you need?

A. N. PIERSON, Inc., - Cromwell, Conn.

BEAUTIES CARNATIONS—ROSES PEONIES

FOR Memorial Day

Write for Prices.

Buy Direct of the Grower.

We grow all the stock we sell and guarantee it strictly fresh. All seasonable flowers at market prices.

BASSETT & WASHBURN

Store and Office 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.
LONG DISTANCE PHONE, CENTRAL 1457.

Chicago.

PEONIES VERY PLENTIFUL.

The market is in good condition but not quite as firm as it was last week. Peonies are arriving in large quantities and the quality of the stock so far received is higher than that of last season. There may be a few local grown peonies in next week but the supply will not cut much of a figure with the southern grown flowers as far as the Memorial day trade is concerned. Roses are very plentiful and although some very fine stock is obtainable there is a little that shows signs of mildew, but this in most cases is disposed of locally by the dealers. American Beauty roses are quite plentiful but the quality in some instances could be better. There are some fine flowers from young plants now arriving and this is having a good call. My Maryland is arriving in fine condition now as well as Richmond, but the latter clean up well. Killarney and White Killarney are seen in large supply everywhere but the latter have been in brisk demand the past week, due to the large amount of funeral work. Mrs. Taft, Mrs. Aaron Ward and Sunburst are also to be had in large quantities and are seen featured in many of the leading stores. Sweet peas are moving well but there is always a surplus of these flowers to be found. Carnations are more plentiful but choice stock is still bringing good prices. Orchids are more abundant and the same can be said of lily of the valley. The outdoor valley is keeping the price of good indoor stock down. Tulips and pansies are prominently displayed on the tables of many of the wholesale stores as well as daisies, snapdragons, gladioli and other miscellaneous seasonable stock. Greens of all kinds are plentiful with the exception of smilax, which is somewhat scarce.

PEONIES

Extra Fancy Stock at \$4.00, \$6.00 and \$8.00 per 100.

**ALSO ROSES, CARNATIONS,
SWEET PEAS AND GREENS.**

SINNER BROS.

56 E. Randolph Street, CHICAGO

Mention the American Florist when writing

NOTES.

Bassett & Washburn have been unusually busy all week and the large number of orders that they are receiving indicate that there must be a shortage in certain lines of stock throughout the country. Roses are seen in large supply here but they are cleaning up well at good prices. C. L. Washburn expects to leave for a visit to California some time in July.

The North Shore Florists and Nurserymen's Association held another meeting at Winona Hall on May 16, when much important business was transacted. Several new members were admitted into the club and another

meeting will be held on June 2. The first Monday of each month will hereafter be the regular meeting night.

Peter Reinberg is in crop with roses and Tim Matchen, the able storeman, expects to fill all Memorial day orders in full. Richmond is still the principal offering in roses at this store and it is needless to mention that they are in good demand.

Frank Kral's delivery car was struck last week by another machine and damaged to the extent of \$250.

E. H. Hunt's force of wire workers is now with Poehlmann Bros. Co.

Joseph Ziska, Sr., is visiting relatives at Oxford Junction, Ia.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

For Decoration Day and Commencements Am. Beauties, Richmonds, Roses, Peonies, Orchids, Carnations



We usually have roses on hand a little open for those who want them so for immediate use.

Our Decoration Day Price List has been mailed. If not received will mail on application. But don't delay sending in your order. Will bill according to Price List. See it before placing your order elsewhere. We will have ample stock to take care of all orders.

Remember to send us your orders for **Commencements, Weddings and Other Occasions.**

Roses

We will have our usual large supply of short and medium length Roses. These grades are most desirable for Decoration Day.

Peonies

We will have thousands for Decoration Day. We will meet prices made by others, and on application quote special on thousand lots.

Sweet Peas

We will have ample supply of the Spencer or Butterfly varieties, also the ordinary grades.

Lily of the Valley

We are cutting thousands daily, extra fancy flowers always on hand for weddings on short notice.

Giganteum Lilies

The valuable Lily we grow in large quantity. It is very popular for Decoration Day and Weddings.

Cape Jasmine

We have arranged for a big supply. Will have some extra long and fancy as well as shorts. Special prices on thousand lots.

BOXWOOD, SMILAX, SPRENGERI, ASPARAGUS, FERNS

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

SUPPLY DEPARTMENT

E. H. HUNT'S Entire force of Wire **POEHLMANN'S**
Workers are now with

Which places us in the foremost ranks to handle and execute large orders promptly and make up special work on short notice.

— BASKETS —

For Commencements and Weddings.

Also Tumbler Baskets and Plateaux.

Price—right stock, new assortment selected for your approval, \$5.00 and up.

American Oak Sprays, per pound, 30 cents. **Special Sale of Three Stripe Chiffon**, the very best quality, 4-inch, 2½ cents; 6-inch, 3½ cents; 10-inch, 6½ cents.

30 PER CENT DISCOUNT ON WIRE GOODS THIS WEEK ONLY.

Cape Flowers, Ruscus, Magnolia Leaves, Wheat Sheaves.

Cut flower boxes, Corrugated Boxes and Oak Wreaths for Memorial Day.

A trial order will convince you that we can deliver the goods.

Wilder S. Deamud, a son of J. B. Deamud, the well known local commission man, and Miss Myrtle Larsen stole a march on their many friends last Thursday, May 15, when they were quietly married at Bay City, Mich. It was well known that the young couple were engaged for some time, but the wedding was a complete surprise, not even the parents of either knowing anything about it. The newlyweds will make their home in Bay City, where Mr. Deamud is part owner of a promising retail store. The young couple have the best wishes of the trade for a happy voyage on the matrimonial sea.

Zech & Mann are rushing the work on their new store which was formerly occupied by the Poehlmann Bros. Co., and are making every effort to have it in readiness for the Memorial day rush. The entire place is being repainted and when the new fixtures are in they will have a finely equipped place and one which will be a credit to the enterprising firm. This house will have large supplies of peonies, roses, carnations and cape jasmine for their Memorial day trade.

At J. A. Budlong's store American Beauty roses and carnations are now seen in large supply and the stock is of fine quality. Wm. Homberg and his assistant have been working short handed for several days but managed to get out all the orders on time with a little extra hustling. Roswell Schupp was away on his vacation and A. J. Phillips was called away by the death of a relative.

Wietor Bros. have been fortunate in having a large supply of White Killarney roses the past week for there was an unusually large amount of funeral work. N. J. Wietor says his firm will be fixed all right in stock for the big flower day, including car-



PEONIES

Mammoth supply of Extra Fine Stock in all the seasonable varieties at

\$4.00—\$6.00—\$8.00 per 100

Also all other flowers and greens

Send for complete Price List

CHAS. W. McKELLAR

Phone L. D. Central 3598

22 E. Randolph St., CHICAGO

nations which are now in crop with his firm.

Chas. W. McKellar and wife are spending all their leisure time touring the surrounding country with their automobile and are already planning for a trip to the S. A. F. convention. Choice peonies are now seen at this store in quantity but the supply of orchids is none too large.

Hoerber Bros. manage to dispose of their choice stock at an early hour each day and judging from the large

shipments that are now arriving one would never think that their range suffered any damage from the recent cyclone.

Erne & Klingel are now receiving regular shipments of peonies in addition to their regular line of seasonable flowers. They report business as good with a brisk Memorial day trade in sight.

A. L. Randall is again on deck at the store after an enjoyable visit in Europe.

WIETOR BROS.

162 N. Wabash Ave., Chicago

ROSES

We Are in Full Crop and Can Fill All Orders for

DECORATION DAY

We now have the largest and best supply of White Roses in the market in addition to our usual large holiday cuts of **American Beauty, Killarney, Richmond, My Maryland** and **Sunburst**. Our Carnations are of A1 quality and with the crops larger than we expected, we find that we can still handle a few Memorial Day orders.

Send Us Your **ORDER NOW** Fresh Stock
Carefully Packed

Decoration Day Price List:

Subject to change without notice.

American Beauties

Per Dozen	Per Dozen
60-in. stems.....\$4 00	24-in. stems.....\$2 00
48-in. stems..... 3 50	18-in. stems..... 1 50
36-in. stems..... 3 00	12-in. stems..... 1 00
30-in. stems..... 2 50	

Killarney.

Per 100
Extra special.....\$ 7.00
Selects..... 6 00
Fancy..... 5 00
Medium..... 4.00
Good..... 3.00
Short stems..... 2.00

Richmond.

Per 100
Extra special.....\$7.00
Selects..... 6.00
Fancy..... 5.00
Medium..... 4.00
Good..... 3 00
Short stems..... 2 00

My Maryland.

Per 100
Extra special.....\$ 7.00
Selects..... 6.00
Fancy..... 5.00
Medium..... 4 00
Good..... 3 00
Short stems..... 2 00

White Killarney.

Per 100
Extra special.....\$ 7.00
Selects..... 6.00
Fancy..... 5.00
Medium..... 4 00
Good..... 3.00
Short stems..... 2.00

Sunburst

Per 100
Extra special.....\$10 00
Fancy..... 8.00
Good..... 6.00

Roses, our selection - - - **\$3.00**

Carnations.

Special.....\$5.00
Good.....\$3.00 to 4.00

HARRISII.....\$12 50 to 15 00

FERNS, per 1000.....\$3.00

SMILAX, per doz.....\$2 00 to \$2.50

ADIANTUM, per 100..... 1.00

GALAX, per 1000..... 1.00

SPRENGERI, per bunch..... .50

ASPARAGUS SPRAYS, per bunch..... 50

The above prices are for select stock. Extra select or inferior stock billed accordingly.
All other stock at lowest market rates.

JOHN F. KIDWELL, President. EDWARD MEURET, Vice-President. GEO. C. WEILAND, Sec'y. ANTON THEN, Treas.

The Chicago Flower Growers Association



L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

In Quantity:
PEONIES
ROSES
Carnations
Sweet Peas

And everything else seasonable
in Cut Flowers and Greens.

Current Price List. Subject to change without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$2.00	1.50
Killarney.....per 100	8.00	6.00	5.00	4.00	3.00
White Killarney.....	8.00	6.00	5.00	4.00	3.00
My Maryland.....	8.00	6.00	5.00	4.00	3.00
Richmonds.....	8.00	6.00	5.00	4.00	3.00
Mrs. Aaron Ward.....	8.00	6.00	5.00		
Sunburst.....	8.00	6.00	5.00		
Carnations.....	4.00	3.00	2.00		
Callas.....	12.50	10.00			
Lily of the Valley.....	4.00	3.00			
Peonies.....	8.00	6.00			
Sweet Peas.....	1.50	1.00	.75		
Easter Lilies.....	12.50	10.00			
Daisies.....	1.50	1.00			
Asparagus Plumosus Sprays..	4.00	3.00	2.00		
Asparagus Sprenger Sprays..	3.00	2.00			
Mexican Ivy.....	.60				
Smilax.....	16.00	12.50			
Galax, Green and Bronze.....per 100C	1.00				
Ferns.....	2.00				
Boxwood.....bunch	.25				
Adiantum.....per 100	1.00	.75			

Kennicott Bros. Co. will certainly be on deck as far as peonies are concerned for Memorial day, for the stock is now arriving in quantity and some very fine flowers are to be seen at the "Peony King's" headquarters now. Memorial day is a big event with this firm and the peony, as nearly everyone knows, is its principal offering.

Poehlmann Bros. Co. expects to have an unusually large supply of carnations for some time and are continually booking orders for Memorial day with the intention of filling all of them in full. This firm will also feature cape jasmine in quantity on that occasion.

A. L. Vaughan & Co. are strong on peonies at present and expect to dispose of large quantities for Memorial day. The stock this firm is handling is extra fine now and much better than in former years.

Robt. Northam says that the shipments of stock that were received at the George Reinberg store on May 18 were the largest of the season, which according to his figuring, means a good supply for Memorial day.

At J. B. Deamud Co.'s store double white narcissi are now arriving in quantity and from present indications this firm will have an unusually large supply for Memorial day.

The Chicago Carnation Co.'s baseball nine was again defeated at Joliet on May 18, by a score of 12 to 8. Cheer up, Mr. Olsem, better days coming!

John Kruchten says that he never knew a season when his peonies were as good as they are now and points with pride to his daily shipments.

Sullivan Bros. are planning on building a conservatory on their East Sixty-third street property.

The Chicago Flower Growers' Association also have large quantities of

PERCY JONES

L. M. JONES, Secy.

(Inc.)

H. VAN Gelder, Pres.

A Few More
Big Supply Bargains

CYCAS LEAVES.

	Per Doz.	Per 100
12 to 14 inch.....	\$0.35	\$2.25
14 to 16 inch.....	.40	3.25
16 to 20 inch.....	.50	3.75
20 to 24 inch.....	.60	4.50
24 to 28 inch.....	.70	5.50
28 to 32 inch.....	.80	6.00
32 to 36 inch.....	.90	7.00
36 to 40 inch.....	1.00	7.25
40 to 44 inch.....	1.10	8.00
44 to 48 inch.....	1.20	8.75

Assortment of 100 Leaves, 10 each, for \$6.00.

CHIFFON.

10 inch	4½ cents per yard
12 inch Spirit Netting.....	12½ cents per yard

56 E. Randolph St., Chicago

The Early Advertisement Gets There



FINE LARGE CROPS OF
ROSES
For Memorial Day

**Especially Killarney, White Killarney, American Beauty,
 Richmond, My Maryland and Mrs. Aaron Ward.**

**GOOD SHIPPING STOCK IS WHAT WE ARE
 OFFERING NOW,**

so if you want Good Fresh Flowers for Memorial Day, you had better
 place your order with us, for we are confident that we can please you.

Memorial Day Price List

AMERICAN BEAUTIES		Per doz.			Per 100
Extra long stems		\$4 00	Mrs. Aaron Ward	Medium	\$8 00
36 inch stems		3 00		Short	\$4 00 to 6 00
30 inch stems		2 50	Roses, our selection		3 00
24 inch stems		2 00	Carnations, all good		4 00 to 5 00
20 inch stems		1 75	Harrisii	per doz. \$1 50 to \$2 00	
15 inch stems		1 50	Valley		3 00 to 4 00
12 inch stems		1 25	Sweet Peas		75 to 1 25
Short Beauties		\$0.75 to 1 00	Smilax	per doz. \$2 00	
Richmond			Peonies		6 00 to 8 00
Killarney	Extra Select	\$10 00	Adiantum		1 00
White Killarney	Select	8 00	Asparagus, per bunch		50
My Maryland	Medium	\$5 00 to 6 00	Ferns, per 1,000		2 50
	Short	4 00			

2,000,000 feet of Modern Glass

PETER REINBERG

30 E. Randolph St.,

**L. D. PHONE
 CENTRAL 2846**

Chicago

We Have What **U** Want Send us Your Orders

For Your WEDDING BOUQUETS be sure to order our fancy

BLUE RIBBON VALLEY AND

Butterfly Sweet Peas

**We can supply these in quantities—
Pink, Light Pink, Lavender and White**

**Also a large supply of BEAUTIES, ROSES, VALLEY, CARNATIONS, DAISIES,
as well as the best Summer Roses to be found on this market and
all GREENS and OTHER SEASONABLE STOCK**

**Buy
Direct
from the
Grower**

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

**ROSES, VALLEY
and CARNATIONS
A Specialty.....**

**WHOLESALE
Grower of**

GUT FLOWERS

**L. D.
Phone
Central
3120**

peonies to offer now and from the present outlook the stock will be in fine shape for the big flower day. The stockholders of this firm had a meeting on May 14.

Edwin A. Kanst, the landscape gardener, and Martin Flanagan of the same locality in Hyde Park, have had a strenuous dispute as to the ability of their expert workmen in the sod cutting department, resulting in a proposition from Mr. Kanst to match a giant Polish turf thrower with a Hibernian on Mr. Flanagan's force. This match is expected to come off in the near future at Chicago Ridge. Refreshments will be served.

Miss M. C. Guterberg is in the market for a good peony grower and would be pleased to hear from some one who has any surplus stock he wishes to consign to this market.

The heavy rains of May 20 hurt the appearance of bedding stock in open frames and the sales of retail plant dealers have been curtailed this week in consequence.

Percy Jones is having some special sales again in his supply department this week that are now attracting the attention of the buyers.

The Raedlein Basket Co. is having a busy spring season and is filling a large number of orders for bridal and commencement baskets.

Kyle & Foerster are handling southern grown peonies now but it is doubtful whether they will have local stock for Memorial day.

At Wieland & Risch's store all the novelties of the season can be seen in addition to their usual line of roses and carnations.

H. Wilkerson says H. Wittbold has several large jobs in sight which will probably materialize within a few days.

Send Your Orders

—TO—

J. B. DEAMUD & CO.

160 N. Wabash Avenue, CHICAGO

 **DO IT NOW.**

The Batavia Greenhouse Co. is very much pleased because it will soon have Zech & Mann for neighbors, for the change is bound to benefit both firms to a great extent.

The E. C. Amling Co. is now receiving a good supply of American Beauty roses from young plants.

Sinner Bros. have a surplus of 6-inch Boston ferns that are now moving well.

Visitors: A. C. Raichert, Michigan City, Ind.; Henry Kallen, Boskoop, Holland; Arthur Cann, San Jose, Calif.

Cook County Florists' Association.

The Cook County Florists' Association held its regular monthly meeting May 15. Fred Krauss was elected a member and the application of Otto Lister was read. The club decided to hold a banquet at the next meeting, when the bowling prizes will be distributed to the winners in the association league. There was considerable talk on publicity but as yet no definite action has been taken.

WANTED!

Peony Grower

**Shipper of First Class
Stock to start immediately.
Checks weekly.
Write now.**

**M. C. GUNTERBERG,
56 East Randolph Street,
CHICAGO.**

"ASK YOURSELF WHY"

No matter where you were if you wanted "The Best" you would go to the oldest and largest dealer to get what you wanted.

Why You Should Come to Us for Peonies

¶ We are not alone the oldest firm in this line, but the largest growers and handlers of Peonies in the world. "Why." Of course you understand that our different farms are so located that we start with May 10th and get daily shipments to the end of June and our output is over 500 dozen a day. We control the cut from so many thousands of plants that we shall have a large supply and the present indication is that the quality will be the finest in the history of the cut flower trade. The Peony is the big seller for May 30 and you are vitally interested in the supply and price.

Order of Us. Get The Best. "Prices Are Right."

Quality is Right. Quantity is Right. You can order One Dozen or 1000 Dozen and every flower will be what you want.

Booking Orders Now

Any Day, Every Day and Decoration Day for Extra Select Stock at \$4.00, \$6.00 and \$8.00 per 100

MEMORIAL DAY PRICES

ROSES		Per 100	ORCHIDS		Per doz.	DECORATIVE	
Killarney	\$5.00 to \$	8.00	Cattleyas	\$5.00 to \$	7.50	Asparagus—	
White Killarney.....	5.00 to	8.00	MISCELLANEOUS STOCK			Plumosus, per string, \$	.60 to \$.75
My Maryland.....	5.00 to	8.00	Cape Jasmine.....	Per 100,	2.00 to 3.00	Plumosus, per bunch,	.35 to .50
Richmond.....	6.00 to	10.00	Valley	"	3.00 to 4.00	Sprengeri, "	.35 to .50
ROSES, our selection...	4.00		Easter Lilies	"	8.00 to 12.00	Adiantum	Per 100, .75 to 1.00
" special, select...	12.00		Callas	"	8.00 to 12.00	Smilax.....	Per doz. 2.50 to 3.00
AMERICAN BEAUTY—	Per doz.		Sweet Peas.....	"	60 to 1.00	Ferns, per 1000, \$2.50; per 100, 30c	
Specials	\$6.00		" Butterfly	"	1.50 to 2.00	Galax.....	per 1000, 1.50
36-inch.....	5.00		Tulips	"	3.00 to 4.00	Leucothe.....	Per 100, 1.00
30-inch.....	4.00		Daisies.....	"	1.25 to 2.00	Boxwood, per bunch, 35c;	
24-inch.....	3.00		Pansies.....	"	1.50	3 for \$1.00.	
CARNATIONS	Per 100						
Select.....	\$4.00						
Fancy	5.00 to 6.00						

KENNICOTT BROS. CO.

163-165 North Wabash Ave.,

L. D. PHONE CENTRAL 466.

CHICAGO.

All Grades **PEONIES** All Colors

Highest Quality—Finest Obtainable

Extra Special, \$8.00 per 100; Special, \$6.00 per 100; Good, \$4.00 per 100.

MEMORIAL DAY PRICE LIST

AMERICAN BEAUTIES.		Per 100			Per 100
Specials.....	\$4 00		White Killarney, select.....	8 00	
36-inch.....	3 00		Fancy.....	6 00	
30-inch.....	2 50		Medium.....	4 00	
24-inch.....	2 00		Good Short.....	3 00	
20-inch.....	1 50		Sunburst, select.....	10 00	
15-inch.....	1 25		Fancy.....	8 00	
12-inch.....	1 00		Medium.....	6 00	
Short stems.....	per 100, \$4.00 to \$6.00		Short.....	4 00	
	Per 100		Mrs. Aaron Ward, select.....	10 00	
Richmond, select.....	\$8 00		Fancy.....	8 00	
Fancy.....	6 00		Medium.....	6 00	
Medium.....	4 00		Short.....	4 00	
Good Short.....	3 00		Mrs. Taft, select.....	10 00	
Killarney, select.....	8 00		Fancy.....	8 00	
Fancy.....	6 00		Medium.....	6 00	
Medium.....	4 00		Short.....	4 00	
Good Short.....	3 00		Peonies, extra special.....	\$ 8 00	
			Special.....	6 00	
			Good.....	4 00	
			Carnations, fancy white		Per 100
			and red.....	\$ 4 00 to	5 00
			Firsts.....		3 00
			Common splits.....		2 00
			Orchids, Cattleyas.....	per doz.	6 00 to 7 50
			Callas.....	12 50 to	15 00
			Spanish Iris.....	4 00 to	6 00
			Valley.....	3 00 to	4 00
			Mignonette, large spikes.....		4 00
			Sweet Peas, common.....	75 to	1 25
			Adiantum Crownanum.....	60 to	1 00
			Smilax.....	per doz.	2 50 to 3 00
			Sprenger, Plumosus sprays.....	3 00 to	4 00
			Plumosus strings.....	Each.	60
			Ferns.....	per 1000.	3 00
			Galax.....		1 25
			Leucothoe.....		75

A. L. Vaughan & Co.

161 N. Wabash Ave.,

(NOT INC.)

TELEPHONES:

{ Central 2571
" 2572
Auto. 48-734

CHICAGO

Milwaukee.

CARNATIONS IN BRISK DEMAND.

The market is in a good condition and carnations are having a very good call. There are some magnificent blooms arriving at present and it is plainly seen that the quality of the local stock is far superior to that which is arriving from the outside markets. Sweet peas are in good demand and can be seen featured in many of the leading stores. Peonies are arriving but are not having much of a call yet, although the stock is good and deserving of immediate sale. The usual supply of spring flowers is available and the retailer now has an opportunity to use a great variety of flowers to good advantage. Bedding stock is in good supply here yet, but a cleanup in all lines is expected before the season is fairly over. Geraniums are to be had in quantity, but a few more weeks will find the supply greatly depleted.

NOTES.

The C. C. Pollworth Co. will grow its improved Golden Chadwick chrysanthemum more abundantly this season. Mr. Pollworth thinks a great deal of this variety and says that it is particularly valuable because it usually comes in crop just right for Thanksgiving. Mr. Kennedy reports that about 10,000 of this firm's carnation plants were affected by the recent cold snap and adds that some tomato plants which he had set out in the cold frames were completely destroyed.

Holton & Hunkel Co. have had an unusually good season and clean up their stock well each day. H. V. Hunkel who looks after the greenhouses says that building operations on their new plant will not begin until August. This firm has a large stock of fine S. A. Nutt geraniums on hand which is

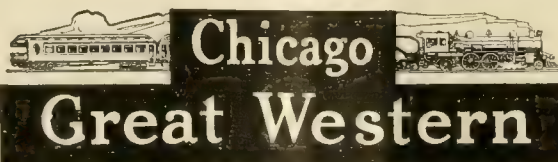
The Chicago Great Western has been named the Official Route of the Chicago Florists' Club to the Minneapolis Convention, August 19th to 22nd.

The Chicago Florists' Club will leave Chicago by Special Train at 6.15 p. m., August 18th, an invitation is extended to all eastern Florists and their friends and families to join them at Chicago and go to the convention in a body.

Special train will be "up-to-the-minute" throughout—including compartment and drawing room and standard sleepers, Buffet Club car, dining cars, Observation parlor, etc., etc.

For berths and information address,

A. L. CRAIG, General Pass. Agt.,
1139 People's Gas Bldg., CHICAGO, ILL.



ROSES

AND CARNATIONS

BIGGEST CROPS EVER
ORDER OF US

AND WE WILL FIX YOU UP RIGHT. WRITE NOW.

Hoerber Bros.

Wholesale Growers of Cut Flowers

162 N. Wabash Ave.,

Long Distance Phones:
Randolph 2758.
Automatic 41770.

Chicago.

LARGE SUPPLY

Fancy Peonies

For Memorial Day

Also ROSES, CARNATIONS, CAPE JASMINE
and all other seasonable flowers and Greens.

On account of our increased daily supply of cut flowers, we have secured larger quarters. With the additional space, we will be in a better position to take care of all your orders for every day and especially for Memorial day.

Address all mail and telegrams as before to 162 N. Wabash Avenue until further notice.

ZECH & MANN, Chicago, Ill.

somewhat surprising for all the other varieties have been completely sold out and this is the only one that remains.

Currie Bros. Co. report a brisk spring trade in the seed line and also a good cut flower trade. Wm. Currie in talking of the late National Flower Show in New York, thinks that it would not be advisable to hold an exhibition every year, but that a show every other year as it is at present would be much better.

Gust. Rusch & Co. are mailing a

handy telephone directory cover to their patrons which should be a very acceptable gift. This firm is now showing a fancy grade of carnations and peonies. A fine Mothers' day trade and a brisk outlook for Memorial day are reported.

Fred Lautenschlager, representing Kroeschell Bros. Co., Chicago, came up here this week to sell Chas. T. Kitzrow a new boiler. His firm has already broken all previous records for sales this spring in this vicinity and

sold enough boilers to heat 127,000 feet of glass.

Zimmerman, the enterprising Grand Avenue florist, has just closed another three year lease on his present quarters.

PLATTEVILLE, WIS.—Wm. A. Schaefer, proprietor of the Platteville Floral Co., says that the Mothers' day trade was unusually good and that this day will in future compare favorably in sales with the other big flower days.

PEONIES!

The finest stock in the Chicago market at \$4.00, \$5.00, \$6.00 and \$8.00 per 100.

ROSES

Fancy **Richmond**, **Killarney**, **White Killarney**, **Sunburst**, **Mrs. Aaron Ward** and **My Maryland**. Also all other flowers and **Greens** in season. Try us and you will have the right stock for your customers on Memorial Day.

John Kruchten

Wholesale Florist, 162 N. Wabash Avenue, CHICAGO

L. D. Phone Central 6269

MEMORIAL DAY PRICE LIST

ROSES		Per 100
Richmond, good stock.....	\$4.00 to	\$6.00
fancy.....	8.00	
Killarney, good stock.....	4.00 to	6.00
fancy.....	8.00	
White Killarney, good stock.....	4.00 to	6.00
fancy.....	8.00	
Sunburst.....	good stock...	6.00
	select.....	8.00
Mrs. Aaron Ward.....	extra select..	10.00
My Maryland.....	4.00 to	6.00
fancy.....	8.00	
Our selection.....		3.00
Extra Special Roses Billed Accordingly.		
CARNATIONS		
Common.....	2.50 to	3.00
Fancy.....	4.00	
Special.....	5.00	
PEONIES		
Short.....	4.00	
Good.....	5.00	
Fancy.....	6.00 to	8.00
MISCELLANEOUS		
Callas.....	per doz., \$1.50	
Easter Lilies.....	per doz., 1.50	
Valley.....	3.00 to	4.00
Sweet Peas.....	.75 to	1.25
Daisies.....	1.00 to	2.00
Gardenias, per doz., \$3.00 to \$4.00		
Gladjol.....	per doz., 1.00 to 1.50	
Baby.....	4.00 to	5.00
Cape Jasmine.....	1.00 to	2.00
GREENS		
Asp. Plumosus.....	per string .50 to .60	
	Sprays, per bunch .35 to .50	
Sprenger.....	per bunch .25 to .50	
Adiantum.....	per 100 .75 to 1.00	
Smilax, choice.....	per doz. 2.50	
Fancy Ferns.....	per 1000 3.00	
Galax Leaves.....	per 1000 1.00	
Subject to Change Without Notice		

GIVE US YOUR ORDER

FOR MEMORIAL DAY

And you can rest assured that it will be filled right. We are featuring in quantity fancy **Peonies**, **Roses**, **Carnations**, **Sweet Peas**, **Daisies** and all other seasonable flowers and greens and would greatly appreciate a trial order from you.

ERNE & KLINGEL,

30 E. Randolph St., L. D. Phone Randolph 6578 Chicago.

Nassau County Hort. Society.

A well-attended meeting of this society was held at Glen Cove on Wednesday, May 14. Communications were read from the Cottage Gardens Co., John Lewis Childs, Lord & Burnham and the Gardener's Chronicle. There was a fine display of Darwin tulips. F. O. Johnson showed 34 varieties, all of them very fine. The following varieties were most admired: Elegans alba, Mrs. Moon, Karl Becker, Picotee, and Carmen. The judges awarded the collection a certificate of culture. The winners of the monthly prizes were as follows:

Vase Darwin tulips—A. Mackenzie, first.

Eight heads of lettuce—J. McCarthy, first.

Vase gladiolus—H. Gant, first.

Vase Picotee tulips—V. Cleres, honorable mention.

At the next meeting, June 11, prizes

CAPE JASMINE

FROM TEXAS COAST JASMINE FARMS. CREAM OF THE CROP.

We have the flowers. You need them. Place your orders with us at once. We will have close to 500,000 buds this year. Buds packed to ship any distance.

PRICES ARE:

B's—3 to 6-in. stems.....\$5.00 per 1000

A's—6 to 12-in. stems.....8.50 per 1000

X's—12 to 18-in. stems.....13.00 per 1000

Less than 500, \$1.00 and \$1.50 per 100

CASH OR C. O. D.

R. W. WOODWARD, Mgr.

P. O. BOX 226

ALVIN, TEXAS.

will be offered for the best 12 peonies, 12 tea or hybrid tea roses and a basket of fruit.

J. MACDONALD, Sec'y.

KEWANEE, ILL.—Hamilton & Plummer are building a new boiler room and making other extensive improvements.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Private Exchange to
all Departments. Phone Central 7720.

CHICAGO

Everything in Cut Flowers and Supplies.

Gold Letters

1 1/4 inch.....45c per 100
1 ".....40c " "
3/4 ".....35c " "

Script Words.

2 1/2 cents each. All kinds in stock.
Gold or purple.

Magnolia Leaves.

Finest in the U. S. A. 90 cents per
hamper, 10 lbs. Place orders now
for Decoration Day at our prices,
for they are moving like hot cakes.

Cycas Leaves.

12 inch.....\$2.25 per 100
16 ".....3.00 " "
20 ".....3.75 " "
24 ".....4.50 " "
32 ".....5.25 " "
36 ".....6.25 " "
44 ".....8.50 " "
48 ".....10.00 " "

We ship the smallest quantity at the
same price. Above prices prevailed
the last three years with us. If
supply houses have charged you
more and are now going down, it is
because we are working the retail
trade.

OAK SPRAYS, 20c per lb.

One pound of oak sprays is sufficient
to make a 24-in. wreath. Make the
wreath yourself and you can count
70 cents saved money.

American Importing Co.

219 Dearborn Street, Chicago

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

A DECORATION DAY WINNER

Natural prepared American Oak Wreaths,
made from preserved and fireproof Oak Sprays
in cherry red, golden brown and natural green.
Two sizes, 18 and 24 inch. Sample of 24-inch
wreath will be sent postpaid on receipt of 90c.

OSCAR LEISTNER, 17 North Franklin Street
CHICAGO

Selling Agents for OVE GNATT Hammond, Ind.
Preparer of natural foliage.

Mention the American Florist when writing

Baskets

Newly imported stock from our large fac-
ories in Germany. Largest and finest assort-
ment in the United States. Send for a \$5.00
or \$10.00 assortment, our selection, and we
will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,

713-717 Milwaukee Ave.,

CHICAGO

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers
at Lowest Market Prices.

30 E. Randolph St., CHICAGO

Mention the American Florist when writing

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, May 21.	Per doz.
Roses, Beauty, specials.....	\$4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 28-in.....	2 00
" " 15-20-in.....	1 25@ 1 50
" " 12-in.....	75
" " Short.....	Per 100
" Killarney.....	3 00@ 6 00
" White Killarney.....	4 00@10 00
" Richmond.....	4 00@10 00
" Prince de Bulgarie.....	4 00@12 00
" Radiance.....	4 00@12 00
" My Maryland.....	4 00@10 00
" Melody.....	4 00@12 00
" Mrs. Jardine.....	4 00@10 00
" Lady Hillingdon.....	4 00@12 00
" Sunburst.....	4 00@12 00
Carnations.....	2 00@ 5 00
Daisies.....	1 00@ 2 00
Cattleyas...per doz., 6 00 and up.	
Gardenias.....	2 00@ 4 00
Iris Spanish.....	4 00@ 6 00
Lilium Harrisii.....	10 00@12 50
Peonies.....	4 00@ 8 00
Valley.....	3 00@ 4 00
Sweet Peas.....	75@ 1 00
Adiantum Croweanum.....	2 00
Boxwood.....per lb.,	25
Ferns.....per 1000, 2 00@2 50	
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy...per 1000, 5 00@6 00	
Plumous Strings...each, 50@ 60	
Smilax.....per doz., 2 00@2 50	
Sprengerii. Plumous Sprays.....	3 00@ 4 00

We have a big supply of
Mexican Ivy

and a surplus of choice

MAGNOLIA LEAVES
AND PREPARED PALM LEAVES.

H. WITTBOLD

56 Randolph St., CHICAGO

Phone Randolph 4708

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing

Wietor Bros.

Wholesale **CUT FLOWERS**
Growers of

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

Chicago Carnation Co.

Wholesale Florists.

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

Mention the American Florist when writing



C.C. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

Green Sheet Moss

For lining hanging baskets, for decorating
show windows for covering soil on pot
plants, etc. 1 Bale (5 bundles).....\$1.25
5 bales (25 bundles).....6.00

GEO. H. ANGERMUELLER,
Wholesale Florist. ST. LOUIS, MO.

Philadelphia.

WEATHER AFFECTS ROSES.

The effects of the cold spells of the past week are seen on the roses, considerable mildew being in evidence. After so much warm weather it was thought that summer had set in for good, but early in the week the thermometer registered below 30° and icicles were seen hanging to the eaves of the greenhouses over a foot long. The old gardeners say no matter how warm it gets early in the season it is never safe to plant out in this neighborhood before May 10. There has been quite a change in the demand for flowers over that of last week, and stocks have accumulated considerably. All lines of roses are full with a falling off in quality. American Beauty sells fairly well, as the price is moderate. My Marylands are seen with great strong canes, armored with thorns that strike terror to the handlers. This cool weather the Killarneys come in tight and after the weather petals are picked off are small indeed. Carnations are not overly plentiful. Sweet peas are a trifle off, but are in good demand. Peonies in all colors are now plentiful and prices are receding. If the weather keeps as cool as at present they will hold over nicely for Memorial day. However, there will be a dearth of shrubbery, as it is all in full flower at this time. The rambler roses will make up partly for this loss, as they are showing color, and should be in nicely by May 30. Easter lilies are scarce and callas are about over. Spanish iris has been a good seller, while snapdragon is in over supply.

NOTES.

Charles Henry Fox is forced to move from his Broad street store, the building having been sold. This is the third time that Mr. Fox has had a like experience in ten years. The Ritz-Carlton hotel bought him out the last time, two years ago, and he took a ten years' lease on the building next door, putting up with the litter of the new building for over a year, in order to get the location. The hotel finding their building too small had to purchase additional ground to the south and east and buy the leases of the occupants to get immediate possession. One store on Walnut street is reported to have received \$20,000. Mr. Fox has to vacate by June 1, but has not as yet secured a new location. He has had charge of the publicity of the Retail Florists' Association, being chairman of the committee having this

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.
448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, May 21.		Per 100
Roses, Beauty, extra.....	20 00@35 00	
" " first.....	10 00@15 00	
" Brides and Maids.....	3 00@ 8 00	
" Killarney.....	4 00@12 00	
" White Killarney.....	4 00@12 00	
" Liberty.....	4 00@12 00	
Carnations.....	2 00@ 4 00	
Cattleyas.....	35 00@50 00	
Gardenias..... per doz., 1 00@ 2 00		
Lilium Harrisii.....	8 00@12 00	
Lily of the Valley.....	3 00@ 5 00	
Calla Lilies.....	10 00@12 00	
Marguerites.....	75@ 1 00	
Snapdragons.....	6 00@ 8 00	
Sweet Peas.....	75@ 1 50	
Peonies.....	6 00@ 8 00	
Gladiolus.....	3 00@ 6 00	
Asparagus..... per bunch, 50		

PITTSBURG, May 21.		Per 100
Roses, Beauty, special.....	50 00	
" " extra.....	30 00	
" " No. 1.....	15 00	
" Killarney.....	3 00@10 00	
" My Maryland.....	3 00@10 00	
" Richmond.....	3 00@10 00	
Carnations.....	3 00	
Calla Lilies.....	12 00	
Freestias.....	3 00	
Gardenias.....	0 00	
Daisies.....	2 00	
Cattleyas.....	50 00	
Violets.....	50@ 75	
Sweet Peas.....	75@ 1 00	
Lilium Longiflorum.....	12 00	
Lilium Rubrum.....	8 00	
Lily of the Valley.....	4 00	
Daffodils.....	3 00	
Tulips.....	3 00	
Paper White.....	0 00	
Romans.....	2 00	
Poeticus Narcissus.....	1 00	
Oncidiums.....	4 00	
Lilac..... per bunch, \$1 00		
Asparagus Sprengeri, per bunch, 35@40		
Sprays..... per bunch, 35@40		

MILWAUKEE, May 21.		Per 100
Roses, Beauty, per doz., 2 00@5 00		
" White and Pink Killarney.....	3 00@10 00	
" Richmond.....	3 00@10 00	
Carnations.....	2 00@ 4 00	
Callas..... per doz., 8 00@10 00		
Easter Lilies.....	10 00	
Lily of the Valley.....	3 00@ 4 00	
Sweet Peas.....	50@ 1 00	
Tulips.....	2 00@ 3 00	
Daisies.....	50@ 1 50	
Peonies.....	3 00@ 5 00	
Asparagus..... per string, 50		
" Sprengeri, per bunch, 35		
Ferns, fancy..... per 1000, \$2 00		

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,
142 North 13th St., PHILADELPHIA, PA.
Easter Lilies, Carnations, Sweet Peas,
all the popular roses. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist.
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.
WHOLESALE FLORISTS

1316 Pine St.,
Both L. D. Phones. ST. LOUIS, MO.
Supplies and Everything in Season always on hand

For June Weddings—Commencements

BEAUTIES—The largest and best supply in Philadelphia. **VALLEY**—Never without it: a fresh supply every day. **PEONIES**—White and pink, all good varieties. **SWEET PEAS**—We will be very strong on Peas during this month, and are offering you splendid values in this line.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by

Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

work in charge. He has been working hard and he and his committee should feel proud of their labors. The work has been along the lines of suggestion, showing how flowers could and should be used for many occasions. This is a good beginning and if continued with added features will bring returns fully compensating for the trouble and expense.

The Leo Niessen Co. is preparing for a big Memorial day business. Peonies, roses and carnations are leaders. New crop dagger ferns are in, and are a great help, as the cold storage stock has of late been very poor.

The marriage of Miss Elizabeth Pennock, daughter of Abraham L. Pennock and wife, to Robert C. Folwell, Jr., will take place on the lawn at the Pennock Landsdowne home at 6 o'clock on the evening of June 5.

The M. Rice Co. is having a great run on metal wreaths and magnolia leaves for Memorial day. Bridesmaids' baskets for the spring weddings have also sold well.

Wm. J. Coffesh's Sons are contemplating extensive improvements, replacing some old structures with larger houses. Their spring business has been a record breaker.

Edw. Reid says his Reid brand of American Beauty roses can not be excelled in this country. Carnations in great variety are also a feature at his store.

George Anderson has his new house well under way. When finished it will add considerably to his glass area.

John Kuhn of Olney is sending in very well grown Calceolaria ragosa. It is much appreciated by the stores.

Berger Bros. are strong on sweet peas, extra fine stock. Roses and peonies are also seen in quantity.

K.

FAIRFIELD, ME.—C. P. Loder of Clinton has opened a flower store, with a greenhouse in connection, on Main street.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, May 21.		Per 100
Roses, Beauty, special.	20 00@25 00	
" " fancy	15 00@20 00	
" " extra	10 00@15 00	
" " No. 1	7 00@10 00	
" " No. 2	3 00@5 00	
" Maid and Bride	3 00@6 00	
" Pink Killarney	3 00@8 00	
" White Killarney	3 00@8 00	
" Richmond	3 00@10 00	
" My Maryland	3 00@8 00	
" Aaron Ward	4 00@6 00	
" Kaiserin	4 00@8 00	
" Carnot	4 00@8 00	
Snapdragon	4 00@6 00	
Tulips	1 00@2 00	
Swainsona	75@1 00	
Carnations	2 00@3 00	
Lilium Longiflorum	10 00@12 00	
Lily of the Valley	3 00@4 00	
Pink Japan Lily	3 00@5 00	
Jonquils, outdoor	1 00@1 50	
Mignonette	2 00@4 00	
Daisies	1 00@1 50	
Sweet Peas	40@1 00	
Asparagus, per bunch	35@ 50	
Asparagus, Sprenger	35@ 50	
Ferns	per 1000, \$2 50	

BOSTON, May 21.		Per 100
Roses, Beauty, best	20 00@25 00	
" " medium	12 00@20 00	
" " culls	4 00	
" White and Pink Killarney		
Special	8 00	
" White and Pink Killarney		
Extra	4 00@6 00	
" Killarney Queen, Special	8 00@10 00	
" Mrs. Chas. Russell	10 00@12 00	
" Taft	4 00@10 00	
" Cardinal	2 00@10 00	
" Ward and Hillingdon	2 00@8 00	
" Richmond	2 00@8 00	
" My Maryland	2 00@8 00	
Carnations, select	3 00@4 00	
Callas	8 00@12 00	
Cattleyas	25 00@40 00	
Gardenias	12 00@25 00	
Lilium Longiflorum	6 00@8 00	
Lily of the Valley	2 00@3 00	
Sweet Peas	50@ 75	
Daisies, Marguerites, per doz.	1 00@2 00	

CINCINNATI, May 21.
Roses, Beauty.....per doz., \$1 00@3 00

		Per 100
" Bride, Bridesmaid	3 00@8 00	
" Killarney	3 00@8 00	
" My Maryland	3 00@8 00	
" Perle	3 00@8 00	
" Richmond	3 00@8 00	
" Taft	3 00@8 00	
Carnations	2 00@3 00	
Callas	8 00@12 50	
Lilium Giganteum	8 00@12 50	
Lily of the Valley	3 00@4 00	
Tulips	2 00@4 00	
Spanish Iris	2 00@4 00	
Sweet Peas	35@1 00	
Peonies	3 00@6 00	
Miniature Gladioli	2 00@4 00	
German Iris	1 00@3 00	
Asparagus Plumosus...per bunch	25	
Snapdragon	4 00@6 00	



Give Us a Trial We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO
Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

St. Louis, May 21.		Per 100
Roses, Beauty, long	per doz.	3 00
Roses, Beauty, medium		8 00@15 00
Roses, Beauty, short stems		3 00@5 00
" Killarney		3 00@5 00
" My Maryland		3 00@5 00
" White Killarney		3 00@5 00
Carnations		1 00@2 00
Lilium Rubrum		8 00
Valley		4 00
Sweet Peas		20@ 60
Asparagus Sprenger		2 00@3 00
Asparagus Plumosus, per bu.	35@60	
Ferns, New, Fancy		2 00
Galax	per 1000	1.25

New York.

BUSINESS LIGHT.

The business of the past week was very moderate, with some improvement on May 16 and 17. While there was no great surplus of stock, there was enough to supply all demands. American Beauty roses have been cheap and there is not likely to be much improvement this month. There has been a falling off in the supply of sweet peas and good stock sells well. Carnations keep around the one and two dollar mark, depending on quality. There is an appreciable quantity of peony stock coming in from the south. Large lots of native lilies are now seen.

Monday, May 19.—The supply of stock is light this morning, as is buying. American Beauty roses move slowly (being plentiful with a light demand) at from \$10 to \$20 a hundred, only a few going at the latter figure. The Spencer type of sweet peas, being much superior to the common sorts, are selling freely at from \$1.00 to \$1.50 a dozen bunches. Carnations are more plentiful, as the demand is lighter, and \$2.50 a hundred is a good price. There seems to be an abundant supply of short tea roses which will be cleaned up at various prices. While there is considerable peony stock on the market, the best stock has not yet appeared. Seventy-five cents and \$1.00 a dozen is the best price at present.

NOTES.

The event of May 17 was the annual parade of police, firemen and other city employees. The employees of the parks have felt, in the past, that they were not as well represented in their parades as they should be, so they made a special effort and came out strong this time. Floats of flowers and growing trees symbolized the activities of the park department. The playground floats were filled with children in a bower of palms and growing plants. There were also sprinkling carts, asphalt carts, "bug" wagons carrying their spraying devices, plows, scrapers, rakes, and lawn mowers.

George Saltford, said to be the pioneer of the Rhinebeck violet industry and author of a book on violet growing, retired from the wholesale business on May 17, having sold the fixtures of his store at 129 West Twenty-eighth street to Walter R. Siebrecht. Aside from his interest in the cut flower business, Mr. Saltford has been at all times an intelligent, genial and kindly gentleman and his familiar figure will be missed in the wholesale district.

Robert E. Berry, who for some time has been located at Summit, N. J., shipping his carnations and sweet peas to J. K. Allen, has leased the Ryan Greenhouses at Chatham, N. J., and will continue growing there. The genial "Bob" is a good grower and well known in the wholesale district. J. K. Allen, 106 West 28th Street, is now receiving good peony stock from Gilbert H. Wild, Sarcoxie, Mo.

Many fine floral tributes were noted at the funeral of Chas. L. Doran, an old time florist, who died on May 15. Mr. Doran had many friends in the wholesale district. His obituary appears elsewhere in this issue.

We recently noted a very fine lot of sweet peas with remarkably long stems at the store of Henshaw & Fenrich. They were grown by George Jurgens, grower for Arthur Cockcroft, Northport, L. I.

We recently noted fine peonies at the store of the S. S. Pennock-Meehan Co. Among many of their rose shipments, the stock from the Budlong Rose Co., Auburn, R. I., is very noteworthy.

Alex. M. Westwood, who has a good retail store in the Pennsylvania Terminal Station, reports an excellent spring business.

Henry M. Robinson, of Boston, Mass., spent several days in this city the past week, looking over the firm's business here.

W. P. Ford is receiving a fine line of double white stock which sells well. A. F. F.

Providence, R. I.

A recent visit to the extensive range of the Budlong Rose Co. at Auburn, showed that this firm is not lagging in the production of good roses. They grow other stock also, but roses are the leading factors from the florist's viewpoint. With half a million square feet of glass, it is to be expected that a good business is being done and the visitor is not disappointed. This firm has discarded the old Pink and White Killarney roses, now growing instead Killarney Queen, Double White Killar-



Boston Fishermen at Lake Winnepesaukee, N. H.

Walter Holden and Al. Walsh. Samuel Wax and Al. Walsh.

ney and Dark Pink Killarney. One house, 30x500 feet, is planted entirely with Killarney Queen. There are other sections planted with the same variety. One house, 38x170 feet, is all Mrs. Taft and there are other lots of it in the range. Richmond, Sunburst, Mrs. Chas. Russell, and Milady are other leading features, the two last named being now on trial. Cardinal is grown and is well thought of. The planting of young stock is now about finished and it looks very promising. No potting of young stock is done at this range. It is planted from the sand to benches, grown on and then transplanted when the time comes to the permanent benches. While we write of benches, we may state that much rose stock at this range is grown on beds which are made up of broken rock and cinders covered with good soil and all the soil at this place seems good. While this firm has previously grown chrysanthemums, they will this year plant on a larger scale than ever before, 60,000

plants being now ready for the planting. The iron frames for new houses to cover this stock are now up. With 1,000 acres of land and several hundreds of it under a high state of cultivation, this firm also does a large vegetable business. There are acres of glass frames that are now planted to tomatoes that will come to maturity about July 1. Onions and other vegetables are also extensively grown.

Geo. Johnson & Son, 521 Elmwood avenue, are very busy with nursery work and landscape gardening. There are so many Johnsons and Johnstons in this city that there is danger of getting the names confused, but this firm, we believe, are the leading nurserymen.

A good rain on May 17 has made a great improvement in landscape features. Passing through Roger Williams park, we were much impressed with its beauty.

We found business good at the store of Johnson Bros., 38 Dorrance street, and there was a fine stock in sight.

Matthew McNair's two stores show evidence of prosperity and a good Memorial day trade is anticipated.

J. Kopelman & Co. are now busy on artificial stock for Memorial day.

A. F. F.

Boston.

CALL FOR ARTIFICIAL STOCK.

Preparations for the Memorial day business are everywhere apparent. It may interest some people in the trade who think the price of natural flowers should advance on every holiday to know how much artificial stock is now being used for this day as well as other special occasions. Penn the Florist is working up about 100,000 wax roses with magnolia leaves into wreaths and will send them out to the trade all over New England. With Mr. Penn this is merely business, as he has constant demands for that kind of work. He keeps an excellent stock of natural flowers and will just as cheerfully fill an order for them. Whatever may happen elsewhere there is no indication of a surplus of any greenhouse stock here for Memorial day. It is conceded that carnations will be scarce for the rest of the season. Roses are more plentiful but not extremely so. Sweet peas now seem to be the most plentiful stock on the market. A noteworthy feature is the yellow marguerite.

NOTES.

Stephen Donnellan, who for the past thirteen years has been foreman of the plant division of R. & J. Farquhar & Co., and who grew the gold medal cyclamen at the last National Flower show at New York City, has accepted the position of foreman in the plant division of S. J. Reuter & Son, Westerly, R. I. Before leaving he was presented with a gold watch and chain from his fellow workmen. Mr. Donnellan was very popular with all the gardeners and florists in and around this city and all wish him success in his new position.

Sidney Hoffman's store, 59-61 Massachusetts avenue, is now particularly attractive both within and without. The front, which is extensive, is adorned with large tubs of flowering hydrangeas and bay trees and the windows are filled with flowering and foliage plants and an excellent stock of cut flowers is always to be seen. At his greenhouses there is a great stock coming on for Memorial day.

At Thos. F. Galvin's there seems to be good business every hour of the day. While there may be other flower stores in this country that are just as busy, in visiting many cities we have never seen a busier store than Mr. Galvin's. Al. Bock, formerly

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.

OFFICIAL
S. A. F.**Shipping Labels**

FOR CUT FLOWERS: in two colors on gummed paper: your card, etc., in black and leaf adopted by the S. A. F. in red. Price per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago

with Geo. M. Stumpp, New York, is now at the Galvin Tremont street store.

Henry M. Robinson & Co. have been busy for the past two weeks arranging their immense stock of florists' supplies in their new quarters, Winthrop square and Otis street. The equipment of this store for wholesale and supply business is complete and the firm has evidently entered upon an era of greater prosperity.

One of the many noteworthy features at the store of N. F. McCarthy & Co. during the past week was a large importation of fine bay trees. The sales of evergreen and other plants and shrubs have been very heavy of late at this store.

Very good roses are reaching the Flower Exchange from the New England Conservatories (McAlpine Bros.), Exeter, N. H. This firm has been very successful with roses and is likely to greatly increase its glass area in the near future.

At the store of Wm. E. Doyle, Inc., 306 Boylston street, we recently noticed a handsome and unique flower holder for the display of clusters of lilac or other large bunches. It was hand-made and the holders were of hammered brass.

Newman & Sons, 24 Tremont street, have posted a notice in their store asking customers to send or leave their Memorial day orders early. This would be a good thing for every retailer to do.

There are many busy retail stores in Boston but we found none busier than the Wax Bros. However, they occasionally find time to go to the lakes and land a fine string of fish.

Philip L. Carbone is expected to be absent in Europe until fall. In the meantime the business is being taken care of by an efficient manager and staff.

Neal E. Boyle of Malden is another rose grower who has been having good success and is about to erect another house 50 x 150 feet.

We found A. Leuthy of Roslindale busy superintending the shipment of plants. He has a fine lot of young palms coming on.

The Boston Cut Flower Co. has during the past week been making heavy sales of roses in boxes.

At The Rosery, 549 Boylston street, we found a very attractive store, and excellent stock.

Buffalo.**OUTDOOR STOCK SCARCER.**

Cool weather the past two weeks has made the outdoor stock rather scarce. Some good lilacs have been on sale, also the late tulips. Retail trade has been only fair. Moving time, house cleaning and other things that come in May have had a tendency to make trade none too brisk. June promises to be a good month. A great many weddings are on the calendar. Roses, carnations and sweet peas are equal to all demands and of good quality.

NOTES.

The florists have been to a great inconvenience owing to the strike of the expressmen compelling them to have their stock shipped to points near Buffalo for about a week and then going out after it. Now they can be

Paul Meconi**Wholesale Florist****55-57 West 26th Street
NEW YORK CITY**

Telephone: 3864 Madison Square

Wholesale Flower Markets

NEW YORK, May 21.		Per 100
Roses, Beauty, special.....	10 00@15 00	
" " extra and fancy ..	6 00@ 8 00	
" " No. 1 and No. 2 ..	1 00@ 3 00	
" Killarney, My Maryland..		
" " special.....	5 00@ 6 00	
" " extra	3 00@ 4 00	
" " No. 1 and No. 2 ..	1 00@ 3 00	
" " Queen, special ..	7 00@10 00	
" " Red, special.....	7 00@ 9 00	
" Hillingdon, Aaron Ward..	6 00@ 8 00	
" Richmond.....	50@ 8 00	
" Sunburst, special.....	6 00@ 8 00	
" Taft, special.....	9 00@12 00	
" Mrs. Geo. Sawyer, special..	10 00@20 00	
Carnations.....	1 00@ 2 50	
Cattleyas.....	25 00@60 00	
Gardenias.....	1 00@10 00	
Tulips.....	1 00@ 3 00	
Lilies, Longiflorum and Harrisii..	6 00@ 8 00	
Lily of the Valley.....	1 00@ 2 50	
Sweet Peas.....per doz. bunches, 50@ 75		
Spencer type, per doz.		
bunches.....	1 00@\$1 50	
Adiantum Croweanum.....	15@ 50	
Asparagus Plumosus.....doz. bchs.	1 50@ 3 00	
Smilax.....per doz. strings, 1 00@ 1 25		
Lilac.....per bunch, 25c		
Stocks.....per bunch, 20c@50c		
Snapdragons.....per doz., 25c@50c		
Peonies.....per doz., 75c@1 00		

gotten after a diligent search and by doing your own carting.

Recent visitors: — Ware of Maltus & Ware, New York; Stephen Green, representing H. Bayersdorfer & Co., Philadelphia; J. H. Dunlop and wife, Toronto, Ont.

Outside work has been very backward, owing to the cold weather. Those who depend on lawn work have been very much hampered by the cold and the light frosts.

Memorial day should be good as the florists are making special prices on wreaths. Mother's day was much better than last year.

S. A. Anderson contemplates the erection of a greenhouse about 15x60 feet this summer for propagating.

BISON.

Baltimore Notes.

The flower market held at the base of Washington's monument. Mt. Vernon Square, was beautiful and popular. Florists of this city and vicinity are very liberal in contributing to this affair. The proceeds go to help local civic improvements.

Mother's day was duly celebrated in the churches and many carnations were donated and sent to the hospitals.

MANCHESTER, CONN.—Mrs. O. D. Miner placed a few potted plants and cut flowers in vases on sale in the window of her millinery store a few months ago. The other day she opened a flower store next door as a result of the steadily increasing demand. The store is known as the Park Hill Flower Shop.

**HORACE E. FROMENT****WHOLESALE COMMISSION**

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

Mention the American Florist when writing

WM. A. KESSLER

Successor to Kessler Bros.

**113 W. 28th St., NEW YORK.
CUT FLOWERS****WHOLESALE PLANTSMEN AND FLORISTS**

Phone 2336 Madison. Shipments Everywhere. Prompt and satisfactory. Consignments solicited.

Mention the American Florist when writing

N. Y. Cut Flower ExchangeCoogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Mention the American Florist when writing

Geo. C. Siebrecht**WHOLESALE FLORIST****109 West 28th St., NEW YORK**

Tel. 608 and 609 Madison Square

CONSIGNMENTS SOLICITED

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Guttman Flower Growers Co.

A. J. GUTTMAN, President.

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Removed to 102 W. 28th St., New York

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18 Years Experience.

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The Kervan Company**FRESH CUT EVERGREENS**and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

M. RICE CO.

Decoration Day Supplies

Metal Wreaths and Crosses, Cycas and Magnolia Wreaths, Magnolia Leaves, Oak Leaves and Sprays, Wire Designs, Ribbons, Plain and Fancy Chiffons. Everything for Florists.

1220 Race Street, PHILADELPHIA, PA.

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of



Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

Cincinnati.

GOOD MEMORIAL DAY SUPPLY.

The wholesalers promise a good supply for Memorial day. The present cut of everything is larger than the market requires in every line, and if the cuts of peonies, double narcissi and other flowers that come in just in time for this day come up to expectations the supply should be exceptionally large. Already many large orders, especially from out of town, are booked and more are coming in every day. The new offerings include corn flowers, candidum lilies and pyrethrum. All have so far been selling very well. In roses there are some excellent and large cuts of American Beauty. The other varieties, too, are in a good supply. None of them are selling up the way they should sell at this time of the year. Carnations are again in heavy supply, clearances of even any color in this line have been impossible for more than a week. Bulbous offerings include Easter lilies, callas, Rubrum speciosum and candidum. Many large tulips are coming in white and red. Double narcissi have just made their initial appearance. If the history of past years repeats itself this year they will be good property until after Memorial day and then they will overcrowd the market and produce a glut. Peonies are meeting with only a fair present demand. The call for Memorial day, however, is strong, even as early as the present writing and will be stronger as the day draws near. Lily of the valley is again in good supply, but is finding slow sales. The same is true of orchids. Only choice sweet peas meet with a ready call. Open offerings include snapdragon, iris, miniature, gladioli and the regular variety. New-Kentucky ferns are coming in.

NOTES.

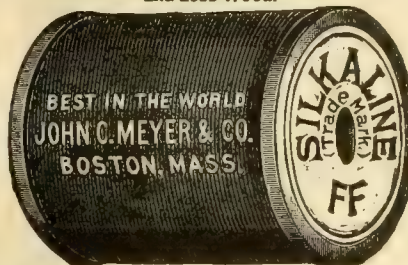
Trade visitors last week were H. D. Crowell, representing the H. H. Pen-nock-Meehan Co., Philadelphia, Pa.; Chas. E. Pelton of the Crescent Brass & Pin Co., Detroit, Mich.; Mrs. Lampert, Zenia; Charles Pommert, Amelia; H. J. Vander Horst, St. Mary; R. Irving Gresham, of the Atlanta Floral Co., Atlanta, Ga.; W. D. Sutterfield, West Union; Joe Hill and Fred Lemon, Richmond, Ind.

C. E. Critchell was the first on the market with candidum lilies. He has also been having a fine cut of Mrs. Aaron Ward roses from the South Park Floral Co., New Castle, Ind.

Wm. Gear, who has been traveling in the west for the past month, has advised friends that it will be another month before he returns home.

G. Brunners' Sons have been very busy with spring planting. Their busi-

Do Not Take Any Fake Green Thread. Use the
Genuine Silkline and Get More Thread
and Less Wood.



JOHN C. MEYER THREAD CO.,

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes

The MEYER Green

SILKALINE

Used by Retail Florists for mossing funeral designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it will not fade or rot in the greenhouse. The Meyer Silkline was the first green thread to be introduced among Florists and Growers. It is handled by the best houses everywhere, but it should be ordered by name—Meyer's Silkline—to be sure of getting the genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the manufacturers. Price for any size or color, \$1.25 per lb. Sizes "F" fine, "FF" medium, and "FFF" coarse

Lowell Thread Mills, 1495 Middlesex St., Lowell, Mass.



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket..\$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

GOLDFISH



"Something
Alive in the
Window"

Catches
the public eye.
Order your
supply now.

Asstd. sizes, Medium and Large,
\$7.00 per 100.

Write for catalog.

AUBURNDAL GOLDFISH CO.

1449 Madison Street,

CHICAGO

nees is reaching from Price Hill, their home suburb, to the other suburbs.

Mrs. Weiland of Evanston, Ill., is the guest of her son-in-law and daughter, P. J. Olinger and wife, at their home in Bellevue.

Harry B. McCullough of the J. M. McCullough Sons Co. is in California, where he went because of his health.

E. G. Hill stopped in this city for a few hours the other day while on his way to the south.

Geo. Dunbar, Jr., was injured last week when his motorcycle collided with a wagon.

Gus Warner, a florist, residing in this city, died last week.

Wm. Spech is cutting from a heavy crop of giganteum lilies.

DAYTON, O.—Warren G. Matthews will rebuild his greenhouse plant on the site of the old one which was destroyed in the flood. Mr. Matthews has recovered from a severe attack of pneumonia and, undaunted by the disaster, is busily engaged making plans for the future.

New Crop Fancy and Dagger Ferns Huckleberry Foliage now ready.

Price, Huckleberry, \$2.00 per case; Fancy Ferns, \$1.25 per 1000; Dagger Ferns, \$1.10 per 1000.

Caldwell the Woodsman Co.

Everything in Southern Evergreens
EVERGREEN, ALABAMA.

HUCKLEBERRY FOLIAGE \$2.00 per case

FANCY FERNS, \$1.25 per 1000

DAGGER FERNS, \$1.10 per 1000

Perpetuated and Natural Sheet Moss.

E. A. BEAVEN, Evergreen, Ala.

MOSS

We have a surplus of 12 barrel bale New Jersey Moss, clean, fresh and burlapped, and will deliver anywhere in Chicago, express prepaid, at \$5.00 per bale, 2 or more bales at \$4.75. By freight collect at 25c per bale less. Satisfaction guaranteed or money refunded.

KLEHMS' NURSERIES, Arlington Heights, Ill.

H. BAYERSDORFER & CO.

Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

Mention the American Florist when writing

ELMHURST, N. Y.—The Hoskin Floral Co. has incorporated with a capital stock of \$25,000. D. J. Hoskins, J. F. Harris and F. Amberg are the incorporators.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

DULUTH, MINN. 

2 STORES 2

 SUPERIOR, WIS.

J. J. LEBORIUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

Chicago.

Established in 1857.

Wittbold
FLORIST

739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
Mention the American Florist when writing

Portland, Maine.

**Floral Designs and
Choice Cut Flowers**

Portland Flower Store
631 Congress St.

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"WILSON"

3 and 5 Greene Ave., Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.
Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.
Mention the American Florist when writing

Terre Haute, Ind.

John G. Heint & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail,
Telephone, Telegraph and Cable orders with
best quality stock in season

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST

Chicago.

A. LANGE,

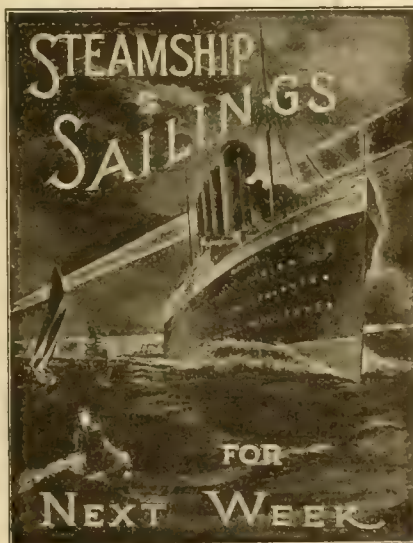
25 E. MADISON ST.

Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.



Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

May 24.

Columbia, Anchor, 11 a. m., Pier 64, North River.

Calabria, Anchor, Pier 64, North River.

Ivernia, Cunard.

FROM QUEBEC, La Touraine, French.

Finland, Red Star, 10 a. m., Pier 61, North River.

Olympic, White Star, 12 noon.

Prinzess Irene, North Ger.-Lloyd, 11 a. m.

May 25.

FROM MONTREAL AND QUEBEC, Lake Man-

itoba, Can. Pacific.

Adriatic Prince, Prince.

Karanga, Norton.

May 27.

FROM BOSTON, Laconia, Cunard.

Rotterdam, Holland-America, 10 a. m.

Kaiser Wilhelm II, North Ger.-Lloyd, 10 a. m.

May 28.

Pretoria, Ham.-Amer., 1 p. m.

May 29.

FROM QUEBEC, Empress of Ireland, Can. Pac.

K. Auguste Victoria, Ham.-Amer., 1 p. m.

FROM PHILADELPHIA, Prinz Oskar, Ham.-

Amer., 11 a. m.

Grosser Kurfuerst, North Ger.-Lloyd, 10 a. m.

May 31.

Cameronia, Anchor, 3 p. m., Pier 64, North River.

FROM PHILADELPHIA, Merlon, American, 10 a. m.

America, Navigazione, Pier 74, North River.

Czar, Russian-American, 2 p. m.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXMCNNELL,
Western Union Code.

Mention the American Florist when writing

Montreal

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

**The Texas Seed and
Floral Company**

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.
Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery
Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK
Flower Co.

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40
LONG DISTANCE No. 40

Careful Attention To All Orders.

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

Boston, Mass.



"Penn, The Telegraph Florist"

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

Louisville, Ky.

F. Walker & Co.,
FLORISTS

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

Omaha, Neb.

Hess & Swoboda
FLORISTS,1415 Farnum St. TELEPHONES
1501 and L 1582

Nashville, Tenn.

Geny Bros. LEADING
FLORISTS

212 Fifth Ave. No. NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

Chicago Bowling.

C. C. F. LEAGUE.
Team Standings.

Won. Lost.	A. Zech...	160 159 160
Roses 49		
Orchids 42		
Won. Lost.	Totals ..	764 900 776
Violets 39		
Carnations .. 38		
Won. Lost.	Roses.	
A. Hueb'r. 109 131 143	Goerisch ..	113 151 142
Jacobs 169 198 142	Koehler ..	145 186 150
Wolf 160 177 190	Byers	186 179 190
Schultz .. 215 136 134	Price	150 169 157
J. Hueb'r. 163 185 166	Fischer ...	178 188 156
	Totals ..	772 813 795
	Orchids.	
	Foerster ..	170 184 180
	Graf ..	137 175 185
	Brostrom ..	154 175 148
	E'p'lous ..	123 184 144
	J. Zech ..	127 151 178
	Totals ..	716 869 835
	Carnations.	
	Lorman ...	119 186 146
	Lieberman ..	160 185 145
	Sweeney ..	179 188 181
	Ayres	146 182 144

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing

WASHINGTON
D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Indianapolis, Ind.

Bertermann Bros. Co.
FLORISTS

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

The Park
J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

PELICANO, ROSSI & CO.,

123 KEARNY ST.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

FRED C. WEBER

SELLING FLOWERS
40 YEARS

4326-28 Olive Street
Notice initials—we have one store only.

Member Florists' Telegraph Delivery Association

ST. LOUIS, MO.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Mention the American Florist when writing

M. C. Rowe

IN THE HEART OF NEW YORK CITY
Phone Murray Hill 1440 and 1441.

6 East 33d Street, Opposite the Waldorf-Astoria.
Our Motto—The Golden Rule.

Mention the American Florist when writing

Hartford, Conn.

GEORGE G. MCCLUNIE

187 Main Street

'FLOWERS' Your Orders Solicited

My Only Store. Phone Charter 6535-2

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE

Flower Colors

Use our Color Chart in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn Street

CHICAGO

Mention the American Florist when writing

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.

City Index to Retail Florists'
Filling Telegraph Orders.

Albany, N. Y.—Eyres, 11 N. Pearl St.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Penn. the Florist, 43 Bromfield St.
Boston—Phillip L. Carbone.
Brooklyn, N. Y.—G. Messeberg.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Mangel, 17 E. Monroe St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Brettmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Hartford, Conn.—Geo. G. McClunie.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Memphis, Tenn.—Haisch's.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio—Chas. A. Duerr.
Newark, N. J.—Phillips Bros.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schilling, 22 W. 59th St.
New York—John S. Nicholas.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Portland, Me.—Portland Flower Store.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
Sheboygan, Wis.—J. E. Matthewson.
St. Louis, Mo.—Edward P. Cizkowski.
St. Louis, Mo.—Ostertag Bros.
St. Louis—Fred. C. Weber.
St. Louis, Mo.—F. H. Weber.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Heinel & Son.
Tacoma, Wash.—California Florists.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Blackstone.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

San Francisco

Podesta & Baldocchi

224 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.
Jefferson and Washington Ave.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on telegraphic order.

11 NORTH PEARL STREET

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in Wisconsin

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

ST. LOUIS, MO.

ORDERS TAKEN FOR

FLOWERS

DELIVERED TO ALL PARTS OF THE COUNTRY.
SPECIAL CARE, SELECT AND ARTISTIC WORK.

F. H. Weber

Member of Florists' Telegraph Delivery

Boyle and Maryland Ave.

Both Long Distance
Phones.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of

GEORGE ASMUS, Mgr

Wire, Write or Phone West 822

Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heint)

336 Superior St., Toledo, O.

Both Phones, 827.

Special attention to Mail and Telegraph Orders

Mention the American Florist when writing

Seattle, Wash.

L.W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

In the Heart of New York
NEW FLOWER AND FRUIT STORE
JOHN S. NICHOLAS
42nd St. and Park Avenue New York City
Grand Central Terminal

The Old Established High Class Florist

Has opened a magnificent flower and fruit establishment on the Forty-second street side of the New Grand Central Terminal Station, New York City. The facilities of this store for the satisfactory execution of mail, telephone and telegraphic trade orders at steamers, and elsewhere in New York City and its suburbs are unsurpassed.

Mention the American Florist when writing

Boston, Mass.

Philip L. Carbone

IMPORTER

Florist and Decorator

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

PHILIPS BROS, 938 Broad St.

NEWARK N. J.

Artistic Floral Work and Long Stem
Beauties Our Specialty.

Mention the American Florist when writing

Los Angeles, Calif.

Wolfskill Bros. and
Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

Mention the American Florist when writing

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Mention the American Florist when writing

Tacoma, Wash.

California Florists

will take care of all telegraphic orders

Mention the American Florist when writing

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan

St. Louis, Mo.

CASS AVE. FLORIST

EDWARD P.

CIZKOWSKI

will occupy store at

1508 Cass Avenue,

June 1, 1913.

New Orleans—

CUT FLOWERS

Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
CANAL ST.

Washington, D. C.

14th and H. Street.

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries
throughout the state and to all steamship docks
in Hoboken, N. J., and New York.

For Wisconsin Delivery

—OF—

"HOME GROWN FLOWERS"

Get in touch with

J. E. Matthewson

SHEBOYGAN, WISCONSIN



Newark, Ohio.

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Special Wholesale Price List of Boxwoods AND Bay Trees

Palms and Other Choice Decorative Stock.

All this stock is of exceptionally fine quality and a big bargain at the prices quoted. Make up your order from this list and you will never have any trouble with dissatisfied customers. Stock up now for future sales.

Boxwoods

Pyramids—	Each
2 to 2½ feet.....	\$1.25
2½ to 3 feet.....	1.75
3 to 3½ feet.....	2.50
3½ to 4 feet.....	3.00
4 to 4½ feet.....	4.25
4½ to 5 feet.....	5.00

Standards—	
15 to 18-inch.....	\$2.25
18 to 21-inch.....	2.75
21 to 24-inch.....	3.50

Obelisk, 5-ft.....	Each, \$12.00
--------------------	---------------

Globe Shaped—	
12-15-inch.....	Each, \$2.00 to 2.50
2-ft.....	3.00 to 5.00

Bushes, 12-in.....	.30
2 to 2½ ft.....	1.50

MISCELLANEOUS

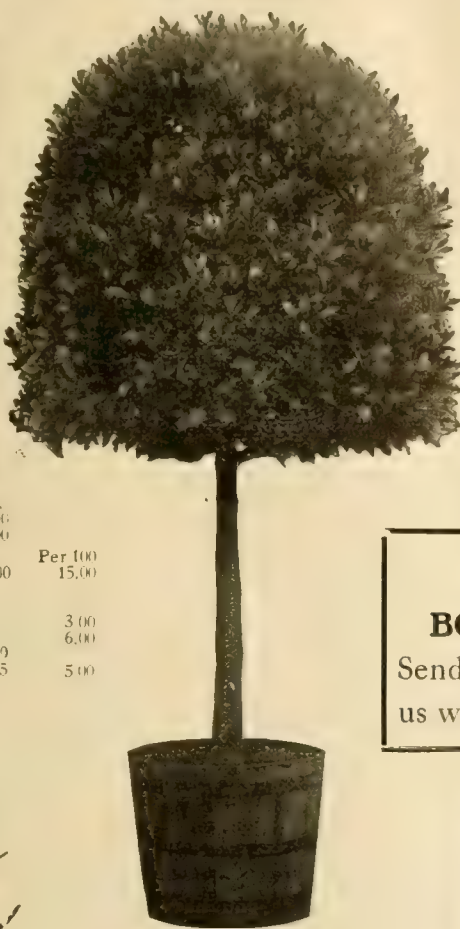
Aucuba, large.....	Each, \$3.00 to \$3.50
Aucuba Japonica, 2-ft.....	1.00
Aucuba Type, 2-ft.....	1.00
Conifers, assorted, 18-24 in. "	1.00
3-3¼-ft.....	1.50

Araucaria Excelsa—	Each	Doz.
6-in., 4-5 tiers.....	\$1.00	\$12.00
7-in., 4-5 tiers.....	1.50	18.00

Areca Lutescens—		Per 100
3-in., 3 plants in a pot.....	2.00	15.00
6-in.....	1.50	

Asparagus Plumosus—		
2-in.....		3.00
3-in.....		6.00
4-in.....	1.50	

Asparagus Sprengerii, 3 in.....	.75	5.00
---------------------------------	-----	------



Bay Trees—Standard

Stem	Crown	Each
12-14-inch	18-in.	\$4.00
2 ft.	12-in.	\$4.00
2-ft.	18-in.	5.00
1-ft.	24-26-in.	6.00
3 ft.	20-22-in.	6.00
2 ft. 4-in.	24-28-in.	7.00
3-ft.	26-in.	7.00
4-ft.	26 to 28-in.	9.00
4-ft.	3-ft-6 in. to 3-ft-10-in.	15.00

PYRAMIDS

5-ft. high.....	\$ 8.00	6-ft. high.....	\$12.00
7-ft. high.....	15.00	9 ft. high.....	20.00

PHOENIX ROEBELENI

	Each	Doz.	Per 100
2½-inch.....		\$ 2.00	\$15.00
3-inch.....		3.00	
4 inch.....	\$0.50	6.00	
6-inch.....		12.00	
6-inch, strong.....		18.00	
7-inch.....	\$2.50 and 3.00		

Specimens, 7 in. extra strong.....	4.00 each.
8 in. extra strong.....	5.00 each.

PHOENIX RECLINATA

	Each	Doz.
5-in.....		\$4.00
6 in.....	\$0.75	9.00
7 in., 24 in. high.....		12.00

WANTED

BOSTON FERNS, any size.

Send samples or write and tell us what you have. Do it Now.



DRACAENA INDIVISA

2-in., \$3.00 per 100; 3-in., \$5.00 per 100; 4-in. \$12.00 per 100; 5-in., \$3.00 per dozen, \$20.00 per 100; 6 in., \$6.00 per doz. 8-in., 3-ft. high, \$1.00 to \$1.50 each.

Bedding Stock.

	Per 100
Geraniums, any variety,	\$10.00
Vinca Variegata, 4-in.,	15.00
English Ivy, 4-in.,	15.00
Salvias, 4-in.,	10.00
Nasturtiums, 3-in.,	6.00
Petunias, 3-in.,	6.00
Marguerites, white, large,	
4-in.,	15.00



The Geo. Wittbold Co. —L. D. PHONE, GRACELAND 1112— **737-39 Buckingham Pl. Chicago**

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C.E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

JOHN LEWIS CHILDS, Floral Park,
N. Y., returned from California May
19.

LILIUM HARRISH prices will be 10
per cent higher, the crop being only a
moderate one.

VISITED CHICAGO: G. C. Eldering,
representing W. J. Eldering & Son,
Overveen, Haarlem, Holland.

PEDRICKTOWN, N. J.—Geo. R. Pedrick
and wife have returned to their home,
Mr. Pedrick's health being much im-
proved.

FIELD seed corn is in as slow de-
mand this year as it was active in
1912. Nearly all western seed houses
are carrying good stocks.

WHILE there has been no definite
decline in prices of French bulbs of
Narcissus Paper White Grandiflora,
yet there is a suspicion in the minds
of American dealers that this article
exists in goodly supply.

FARIBAULT, MINN.—Wm. Kueker,
president of the Farmer Seed and
Nursery Co., has been at the St. Luke's
hospital for the past two weeks, where
he underwent an operation for gall
stones. The patient is recovering nicely
and expects to resume his duties at
the office in the course of a few weeks.

LAWRENCE, KANS.—The Barteldes
Seed Co. says the garden seed trade
has been fully up to the average.
Crops of such seeds as timothy, Kaf-
fir, millet, cane and corn were very
good last year and consequently the
farmers were plentifully supplied with
these seeds. This has cut down the
sales of field seeds materially and the
trade in these lines has not been up
to the normal.

BOSTON, MASS.—While the rush of
spring business in seeds is declining,
there is yet a good trade in plants very
evident on North Market street and
Faneuil Hall Square. The seedsmen
agree that this has been a good season.
Some complaint has been coming in
from farms and gardens of the dry and
cool weather, but any forebodings were
happily dispelled by a good rain on May
15.—At the Fottler, Fiske, Rawson Co.'s
store we found business active there
being large sales of vegetables and the
smaller flowering plants. It was also
said that the seed trade was keeping
up well.—At the Jos. Breck & Sons Cor-
poration everybody was found busy.
The activities of this firm are remark-
able, a real estate department now be-
ing added to their seed, nursery and im-
plement features. The veteran Thomas
J. Grey is now with this firm and his
many friends will be glad to meet him
there, for he is a man who is remem-
bered by his friends.—The New Min-
eral Fertilizer Co., with works at Rum-
ford, Me., has now a store at 11 South
Market street.

STURGEON BAY, WIS.—The Door
County Seed Co., which since its or-
ganization has occupied the Hay build-
ing with its business, within the week
purchased the property known as the
Marine saloon, located on the north
side of St. John near the railroad
track. The company proposes to re-
model and rebuild the building and fill
in the lot and use it for the carrying
on of the business in which it is en-
gaged. The firm expects to move as
soon as this has been done, which may
not be for a couple of months.

CHICAGO.—Prices on the Board of
Trade May 21 for grass seed were
noted as follows: Timothy, \$3.25 to
\$4.25 per 100 pounds.—The onion set
stand south of the city is none too
good. Either from the drought or
other causes the germination has not
been what it should be and the conse-
quent stand is on the whole rather
thin.—Geo. S. Green of the Illinois Seed
Co. appeared before the Agricultural
committee at Springfield, May 20, in
regard to the proposed seed law and
says the committee after a thorough
discussion decided to report the bill
to the house unfavorably. This action
of the committee will probably dispose
of seed legislation in this state dur-
ing the spring session.

Minnesota Seed Law.

In a letter from a well-known ex-
pert on seed laws to a Minnesota
seedsmen commenting on the new
Minnesota seed law we find the fol-
lowing:

"In section 2, paragraph 1, it is re-
quired that every special variety of
agricultural seed be stated, it must be
true to type. In other words, if you
secure from the European or eastern
wholesaler a variety of, say, alsike
clover, and a mistake is made by your
vendor, you are liable for the first of-
fense for a \$10 fine, and supposing in
your numerous transactions you make
another mistake, the minimum fine is
\$100 for each offense. Gambling in
Wall street is not in it for fun com-
pared to your business. Of course
germination is going to give trouble.

"To give the approximate percent-
age by weight of certain weed seeds
like dodder is, of course, almost im-
possible, unless you have secured the

services of an expert in decimal frac-
tions. How are you going to state the
presence of five dodder seeds in a
pound of 350,000 seeds of red clover?
To state where the seed is grown will
in some cases be very difficult, and in
other cases impossible.

"Your law allows lawn mixtures,
but why not have taken care of other
mixtures for pastures, etc. All such
mixtures are left out by this defini-
tion.

"In section 4, the fines imposed are
exceedingly heavy. Simply because an
honest mistake may occur at one
time, the seedsmen are fined the mini-
mum fine of \$10. Thereafter any other
fine cannot be less than \$100, for an
honest mistake. Inasmuch as the
seedsmen is dealing with vast quan-
tities of seeds, some of which are en-
tirely similar to other kinds of seed,
the penalties are outrageously heavy.

"Section 9, which allows the certifi-
cate of the Minnesota Agricultural
Experiment Station, giving the result
of any examination of seeds, to be pre-
sumptive evidence of the facts therein
stated, this in my judgment is clearly
unconstitutional. In other words, in
a criminal prosecution, criminal in
character, the accused shall have the
right * * * to be confronted by
the witnesses against him (Article 1,
Sec. 6, Constitution of Minn.) In sec-
tion 9, we have, however, a mere state-
ment of an officer not under oath and
the witness not sworn in the cause
and subject to the searching of con-
science or of facts. Any prosecution
under this seed law is a criminal pro-
secution within the constitutional pro-
vision above cited. (State vs. Sauer,
42 Minn. 258)."

Established 1810.

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Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Let-
tuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,
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PEAS, BEANS, CUCUMBER

Growers for the Trade.

Ask for our growing prices for crop 1913
Peas, Beans and Cucumber Seed.

Also for prices for immediate shipment.

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

BRASLAN SEED GROWERS COMPANY, INC.

ONION, LETTUCE, CARROT and RADISH SEED

San Jose, California

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers
SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS

W. J. Eldering & Son

WHOLESALE BULB GROWERS

Overveen, Haarlem, Holland

Headquarters for High Grade Hyacinths, Tulips, Narcissi

Quality With Fair Prices

We ship first quality Holland Bulbs to the American Trade. This is the sole basis of the continuous and ever increasing patronage of the most critical, high-class American Buyers, covering many years.

Our Mr. G. C. Eldering is now at the Hotel Saville, Madison Avenue and 29th Street, New York, prepared to book orders for the best stocks at most reasonable figures, to the trade only.

Here is Your Chance Tuberoses

First class bulbs, 4 to 6-in., 75c per 100; \$7.00 per 1000.

Bedding Plants

Extra fine stock at reasonable prices.

Flower and Vegetable Seeds

For early summer planting.

Let us have your order.

James Vick's Sons
ROCHESTER, N. Y.

Lily of the Valley Pips

WE have on hand a few cases of Lily of the Valley Pips, (3000 to case) Berlin and Hamburg, which we offer at \$32.00 Per Case (of 3000).

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ROEMER'S ^{Superb} PANSIES

The finest strain of Pansies in the World. Introducer and Grower of all the leading Novelties. Highest Award International Exhibition, Dusseldorf, 1905. Catalogue free on application.

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BEANS, PEAS, RADISH
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Write for Prices.

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Best Stocks. All Varieties.

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Growers for the Wholesale Trade Only.

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Cucumber, Muskmelon, Squash and Pumpkin,
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Wholesale Seed Growers and Dealers

SPECIALTIES:

Sweet, Flint and Dent Corn; Cucumber,
Musk and Watermelon; Pumpkin and
Squash.

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Wholesale Seed Grower.

Specialties: Lettuce, Onion, Sweet Peas, Aster
Cosmos, Mignonette, Verbena in variety.
Correspondence Solicited.

We Have a Few

Choice White Onion Sets

still on hand at

\$1.50 per bushel

(32 lbs. per bushel)

Vaughans's Seed Store,

31-33 W. Randolph St., CHICAGO.

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DAMMANN & CO.,

Seed Merchants to His Majesty the King of Italy

SAN GIOVANNI A TEDUCCIO, near Naples

Headquarters for CAULIFLOWER and WHITE
TRIPOLI ONION SEED, (Crystal Wax) and
all other VEGETABLE and FLOWER SEEDS
THE LARGEST GROWERS IN ITALY.

Established 1877.

Wholesale Catalogue in English, (containing also
all Italian specialties). Special Offers and
Italian Catalogue on application.

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GLADIOLI

Blanche, Ceres, Mrs. Beecher,
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Brenchleyensis, Shakespeare.
Lillies, Madeira Vines and other
Bulbs and Hardy Plants.

E. S. MILLER, WADING RIVER, N. Y.
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Elmer D. Smith & Co.,

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ADRIAN, - - MICH.

See our Advertisement on page 1046.

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ROSES, CARNATIONS,

PLANTS, SEED, BULBS.

Send us your wants. We will take care of them.
We supply stock at market price. Catalogue for
the asking.

S. S. SKIDELSKY & CO.,
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CONTRACT SEED GROWERS.

Bean, Cucumber, Tomato, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

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SCAFATI (near Pompei) ITALY.

**NOVELTY FLOWER SEEDS—BULB AND PLANT
PRODUCTIONS.**

PETUNIA, PANSY, CINERARIA, and a great
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John Bader Co.

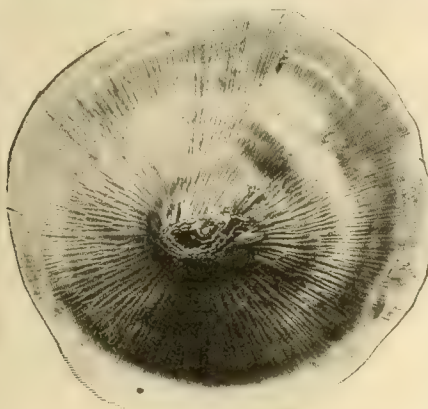
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Closing Out Spring Bulbs



AMERICA.

LILY BULBS

	Per 100
Album, 9-11 inch	\$12.50
Auratum 9-11 inch	10.00
Rubrum, 8-9 inch	6.00
Rubrum, 9-11 inch	9.00

CALADIUMS

	Per 100	Per 1000
5 to 7 inch	\$1.80	\$15.00
7 to 9 inch	3.50	30.00

Cold Storage Stock.

Lilium Giganteum	Per Case
7-9 inch (300 bulbs to case)	\$18.00
8-10 inch (225 bulbs to case)	15.75
9-10 inch (200 bulbs to case)	17.00

Lilium Rubrum	Per Case
8-9 inch (170 bulbs to case)	\$10.00
9-11 inch (100 bulbs to case)	8.00

Vaughan's Seed Store, CHICAGO NEW YORK

Greenhouses and Nurseries, Western Springs, Ill.

Alternanthera

	Per 100
Yellow, 2 1/4-in. pots	\$ 2 00
VINCA VAR., 4-in. pots, May 1 10 00	
PRIMROSES, ready in July	2 00
ASP. PLUMOSUS, 2 1/4-in. pots,	
June 10	2 00
ASP. SPRENGERI, May 10	2 00

CASH.

JOS. H. CUNNINGHAM, Delaware, Ohio

CANNAS

	Per 100
CANNAS, 8 varieties, 3x4-in.	
pots	\$4 00
GERANIUMS, my selection	5 00
PANDANUS VEITCHII, \$1.00 ea.	
SALVIAS, May 1st	2 50

SPRING BEDDING AND BASKET PLANTS

Asparagus Sprengeri, 2 1/2-in., \$3.00 per 100, \$25.00 per 1000.
Centaurea Gymnocarpa (Dusty Miller), \$3.00 per 100.
Geranium, Mad. Salleri, \$2.50 per 100.
Ivy, English, 4-in., strong, \$12.00 per 100.
Lobelia Speciosa and Compacta, \$2.50 per 100.
Petunia, Giant Ruffled, \$2.50 per 100.
Salvia, Bonfire, King of Carpets and Zurich, \$2.50 per 100.
Vinca Variegata, 3-in., \$6.00 per 100.

The Storrs & Harrison Co., Painesville, Ohio

Spring is Here

So to close out our surplus Spring Bulbs we make the following offer till sold, less 5%, if cash accompanies the order.

BODDINGTON'S QUALITY GLADIOLI.

AUGUSTA. The florists' best white Gladiolus in existence.....	100	1000
First size bulbs, XX, 1 3/4 inches and up.....	\$1.75	\$16.00
Selected bulbs, X.....	1.25	12.00
BRENCHEYENSIS (true). Fiery scarlet. Top roots, XXX, 2 and 2 1/2 inches.....	2.00	18.00
First size bulbs, XX, 1 3/4 to 2 inches.....	1.50	14.00
Second size, X, 1 to 1 3/4 inches.....	1.25	10.00
BODDINGTON'S WHITE AND LIGHT. Extra selected bulbs, XXX, 1 3/4 in. and up.....	1.50	14.00
First size, XX.....	1.25	12.00
MRS. FRANCIS KING. Color of flower is a light scarlet of a pleasing shade; selected bulbs. XXX.....	2.75	24.00
First size, XX.....	2.25	20.00
PRINCEPS. Color rich crimson, with broad white blotches across the lower petals. Flowers can be grown to nearly 8 inches in diameter under stimulating culture..... Doz.	\$1.25	10.00
GROFF'S HYBRIDS (Originator's strain), XXX, Extra selected.....	1.75	15.00
First size, XX, Originator's strain.....	1.25	12.00
First size, X, very fine mixture.....	1.00	9.00
JOHN BULL. A very fine white, slightly tinted lavender. A good forcer.....	1.75	16.00
DE LAMARCK. Cherry red; a grand variety.....	1.75	16.00
CERES. A good white, tinted lavender.....	1.25	12.00
AMERICAN HYBRIDS. XX. A mixture of the choicest varieties of Gladiolus in equal proportion; very fine.....	1.00	9.00
AMERICAN HYBRIDS. X. Fine mixture.....	.85	7.50
STRIPED AND VARIEGATED.	2.25	21.50
PINK AND ROSE SHADES.	1.75	16.00
ORANGE AND YELLOW SHADES.	3.50	32.00
SCARLET AND RED SHADES.	1.50	14.00
LEMOINE'S HYBRIDS.	1.50	12.00
CHILDSII. First quality, mixed; dark shades.....	1.55	16.00
Good quality, mixed; light shades.....	2.25	21.50

Boddington's Quality Gladioli—Continued. Extra-Choice Named Gladioli.

ATTRACTION. Deep, dark, rich crimson, with a very conspicuous, large, pure white center and throat. At once a most beautiful and attractive sort.....	\$0.50	\$3.50
CANARY BIRD. This, without doubt, is the best yellow variety next to Sulphur King. A pure canary yellow that is very pleasing and attractive.....	.85	6.00
ELABORATE. Blood scarlet. The finest ChildsII of its color.....	.75	5.50
GEORGE PAUL. Large flowers; deep crimson, slightly stained yellow spotted with purple. Per 100.....	\$4.75	5.00
I. S. HENDRICKSON (new). A beautiful and irregular mottling of white and bright deep pink; in some the pink and in others the white predominates. Flowers and spikes very large and fine.....	.75	4.75
MADAM MONNETT. Delicate rose late bloomer. Per 100.....	\$26.75	2.75

AMERICA.

This beautiful new Gladiolus has produced as great a sensation as the now famous Princeps. The flowers, which are of immense size, are of the most beautiful flesh-pink color, and, as a florist who saw it said, it is "fine enough for a bride's bouquet."

Top roots, -	100	\$2.75	1000	\$25.00
First size, -	2	25	20.00	
Second size, -	2.00	17.50		

BODDINGTON'S QUALITY GLOXINIAS.

Named Varieties. Our Selection.....	1000	100
To Color. Our Selection.....	\$40.00	\$4.25
B's Spotted Varieties.	30.00	3.25
Mixed, All Colors.	35.00	3.75
	25.00	2.75

DAHLIAS.

Named Varieties. Our Selection.....	\$8.00	per 100
Mixed Varieties and Color. Yellow, Red, Pink, White.....	\$5.00	per 100.

Miscellaneous Bulbs.

LYCORIS SQUAMIGERA, OR AMARYLLIS HALLI

(THE MAGIC LILY OF JAPAN)

A perfectly hardy Amaryllis, producing beautiful pink flowers.

Lycoris squamigera produces in early Spring foliage which grows until July, when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later, as if by magic, the flower-stalks spring from the ground to a height of 2 or 3 feet, developing an umbel of large and beautiful lily-shaped flowers 3 to 4 inches across and from 8 to 12 in number, of a delicate lilac-pink.

Very useful for cut flowers in the Summer. Strong blooming bulbs, each 10c., per doz., \$1.00; per 100, \$6.50.

INCARVILLEA.

INCARVILLEA Delavayi Hardy (Gloxinia). The foliage resembles that of the Acanthus, while the blossoms appear like clusters of pink Gloxinias. It is extremely decorative. Strong roots, each 10c.; per doz., 75c.; per 100, \$6.00.

OXALIS.

OXALIS (Summer-Flowering) Deppel. Pure white; very fine.

Lasiandra. Fine rosy pink, beautiful cut foliage.

Shamrock. Lovely clover-like foliage, pink blossom.

Mixed Colors. Several colors. Per doz., 10c.; per 100, 35c.; per 1000, \$2.50.

SPIRAEA.

SPIRAEA Palmata Rosea. The beautiful deep pink hardy Spiraea. Per doz., \$1.00; per 100, \$7.50.

SPIRAEA Aruncas. The grand hardy white Spiraea. 4 to 5 feet; per doz., \$1.00; per 100, \$7.50.

KUDZU VINE.

The quickest climber known in horticulture; grows 1 to 2 feet per day. Invaluable for quickly covering unsightly objects. Strong roots, each 20c.; per doz., \$1.50; per 100, \$12.00.

Boddington's QUALITY ROSES.

Hybrids, Crimson Ramblers, Hybrid Tea, or Everblooming Roses, Etc.

Strong 2 year old for Planting or Potting.

See Our Advertisements and Catalogue for Varieties.

Arthur T. Boddington,
342 West 14th St., Seedsman NEW YORK CITY.

BEST GRAFTED ROSE STOCK

Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000; \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill. Killarney Queen, \$15.00 per 100; \$120.00 per 1000.

BEST OWN ROOT STOCK

Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6.00 per 100, \$55.00 per 1,000. Richmond, 2½-in., \$5.00 per 100; \$45.00 per 1,000. The above is All select stock and a big bargain at prices quoted.

BEST CHRYSANTHEMUM CUTTINGS

Finest Two Yellow and Pink Commercial Varieties Now Grown.

YELLOW				PINK			
	R. C. per 100	1000	2½-in. per 100		R. C. per 100	1000	2½-in. per 100
Comoleta,	\$3.00	\$25.00	\$4.00	Patty,	\$3.00	\$25.00	\$4.00
Best Early Yellow, Blooms September 27.				Beautiful Enchantress Pink, fine strong grower, (3½-in., per 100, \$5.00).			
Chrysolora,	\$5.00	\$40.00	\$6.50	Unaka,	\$4.00	\$35.00	\$5.00
Best Yellow Money Maker, blooms October 5 to 10.				Earliest Pink, first week of October.			

WHITE				YELLOW				PINK			
	R. C. per 100	1000	2½-in. per 100		R. C. per 100	1000	2½-in. per 100		R. C. per 100	1000	2½-in. per 100
OCTOBER FROST.	2 50	20 00	3 00	Col. Appleton.....	2 50	20 00	3 00	McNiece.....	2 50	20 00	3 50
Vir. Poehlmann.....	3 00	25 00	4 00	Crocus.....	4 00	35 00		Maud Dean.....	2 50	20 00	3 50
Alice Byron.....	2 50	20 00	3 00	Dolly Dimple.....	3 00	25 00		Dr. Enguehard.....	2 50	20 00	3 50
Timothy Eaton.....	2 50	20 00	3 00	Major Bonaffon.....	2 50	20 00	3 00	RED			
W. H. Chadwick.....	3 00	25 00	4 00	Immense stock, still one of the best.				Schrimpton.....	2 50	20 00	3 00
YELLOW				Yellow Eaton.....	2 50	20 00	3 00	BRONZE			
Golden Glow.....	3 00	25 00	4 00	Golden Chadwick.....	3 00	27 50	4 00	O. H. Kahn.....	4 00		5 00
Halliday.....	2 50	20 00	3 00	Best late yellow.				We can supply large quantities of the above.			

POMPONS—Large stock of the leading commercial varieties. 2½-in., per 100, \$4.00
List of Varieties Upon Application.

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ROSES

Best new and Standard sorts, prime stock, including—

	2½-inch.	4-in.
American Beauty.....	\$0.85	\$4.00
Blumenschmidt.....	.50	3.00
Bon Silene.....	.50	3.00
Bougere.....	.50	3.00
Duchesse de Brabant.....	.50	3.00
Etoile de Lyon.....	.50	3.00
Freiherr van Marshall.....	.50	3.50
Lady Hillingdon.....	.60	4.50
Mlle. Franzisca Kruger.....	.50	3.00
Maman Cochet.....	.50	3.00
Marie Van Houtte.....	.50	3.00
Mrs. Ben. R. Cant.....	.50	3.00
Safrano.....	.50	3.00
Snowflake.....	.50	3.00
White Bougere.....	.50	3.00
White Maman Cochet.....	.50	3.00
William R. Smith.....	.50	3.50
Louis Philippe Bengal.....	.50	3.00
Queen's Scarlet.....	.50	3.00
Mignonette.....	.50	3.00
Pink Souper.....	.50	3.00
Anny Muller.....	.50	3.00
Jeanne d'Arc.....	.50	3.50
Mrs. Taft.....	.60	3.50
Orleans.....	.60	3.50
Phyllis.....	.60	3.50
Bessie Brown.....	.50	3.00
Mme. Abel Chateau.....	.50	3.00
Mme. Jenny Guillemot.....	.50	3.50
Rena Robbins.....	.85	6.00
Ball of Snow.....	.50	3.50
Frau K. Druschki.....	.75	5.00
Hugh Dickson.....	.75	5.00
J. B. Clarke.....	.60	4.00
Gen. Jacqueminot.....	.60	4.00
New Century.....	.60	4.50
Sir Thos. Lipton.....	.60	4.50
Cl'g Souper.....	.50	3.00
Dor. Perkins.....	.75	5.00
Excelsa.....	.75	5.00
Graf Zeppelin.....	.50	3.00
Lady Gay.....	.50	3.00
Phil'a Cr. Rambler.....	.50	3.00
Tausendschoen.....	.50	3.50
White Dorothy.....	.50	3.50
Wichuraiana.....	.50	3.50
Mary Washington.....	.50	3.50
Marchal Niel.....	.60	3.50

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HYDRANGEA OTAKSA

IN VARIETY

Very Fine Stock—White, Pink and Blue, from \$9.00 per doz. to \$12.00, \$14, \$18.00 and \$24.00 per doz. Smaller sizes, stock limited, \$6.00 per doz.

CLIMBING ROSES

Dorothy Perkins, Mrs. Flight, Lady Godiva, timed for Decoration Day. \$9.00, \$12.00, \$18.00 and \$24.00 per dozen.

NO CHARGE FOR PACKING.

Cash or Satisfactory City References.

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Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
F. O. B. West Grove.

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KENTIAS.

Joseph Heacock Co.,

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Potted Roses

SELECT TWO-YEAR OLD PLANTS

Get them at Dreer's

All Strong 5 and 6-inch Pots and Plants of a Quality That Will Please Your Retail Customers.

HYBRID TEA ROSES. Novelties and Recent Introductions.

Each	Each	Each	Each
Arthur R. Goodwin.....\$0 50	Florence Haswell Veitch.....\$1 00	Mabel Drew.....\$1 00	Mrs. Muir MacKean.....\$2 00
Cynthia Ford.....50	George C. Waud.....35	Mary Countess of Ilchester...50	Mrs. Samuel Ross.....2 00
Chateau de Clos Vougeot....50	Instituteur Sirday.....50	May Kenyon Slaney.....75	Mrs. Wakefield Christie.....50
Dorothy Page Roberts.....50	James Coey.....50	Mme. Segond Weber.....30	Miller.....75
Duchess of Sutherland.....2 00	John Cuff.....50	Mlle. Marie Masquerand.....50	Mrs. Walter Easlea.....1 00
Duchess of Westminster.....1 00	Jonkherr, J. L. Mock.....30	Margaret Molyneux.....50	Mrs. Cornwallis West.....2 00
Earl of Gosford.....2 00	King George.....2 00	Mrs. Arthur Munt.....50	Nerissa.....50
Elizabeth Barnes.....1 00	Lady Alice Stanley.....1 00	Mrs. Charles Curtis Harrison..75	Nita Weldon.....1 00
Edward Mawley.....50	Lady Downe.....1 00	Mrs. Chas. Hunter.....2 00	Robert Huey.....50
Eugene Bouillet.....2 00	Lady Greenall.....1 00	Mrs. Frank Bray.....2 00	Souvenir de Gustave Pratt.....2 00
E. W. Cowan.....1 00	Lady Ursula.....50	Mrs. Herbert Hawksworth.....75	Verna Mackay.....50
Fernehurst.....1 00	Lieutenant Chaure.....50	Mrs. Leonard Petrie.....75	Walter Speed.....50
Frances Charteris Seton.....1 00			

HYBRID TEA ROSES. Select Standard Sorts.

Per 100	Per 100	Per 100	Per 100
Betty.....\$30 00	Grand Duke Adolphe de.....\$30 00	Laurent Carle.....\$30 00	Mme. Maurice de Luze.....\$30 00
Caroline Testout.....25 00	Luxemburg.....30 00	Le Progress.....30 00	" Melanie Soupert.....30 00
Countess of Gosford.....30 00	G. Nabonnand.....30 00	Liberty.....30 00	Marquise de Sincto.....40 00
Dean Hole.....30 00	Gruss an Teplitz.....25 00	Lyon.....30 00	Mons. Paul Lede.....30 00
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Florence Pemberton.....30 00	Joseph Hill.....30 00	" Jenny Gillemont.....30 00	Prince de Bulgarie.....30 00
Franz Deegan.....30 00	Killarney.....30 00	" Jules Graveaux.....30 00	Reine Marguerite de Italie...30 00
Farben Konigin.....30 00	Konigin Carolla.....30 00	" Hector Leulloit.....30 00	Richmond.....30 00
Gustav Grunerwald.....30 00	Kaiserin Augusta Victoria...25 00	" Jules Grolez.....30 00	Simplicity.....30 00
Grace Darling.....30 00	Lady Ashtown.....30 00	" Abel Chatenay.....30 00	Souvenir de President Carnot..30 00
General MacArthur.....30 00	La Detroit.....30 00	" Ravary.....30 00	Viscountess Folkstone.....30 00
	La France.....30 00	" Leon Pain.....30 00	White Killarney.....30 00

HYBRID PERPETUAL ROSES.

Per 100	Per 100	Per 100	Per 100
Alfred Colomb.....\$25 00	Duke of Edinburgh.....\$25 00	Gloire Lyonnaise.....\$25 00	Mme. Gabrielle Luizet.....\$25 00
Anna de Diesbach.....25 00	Karl of Duterin.....25 00	Hugh Dickson.....25 00	Marie Baumann.....25 00
Alfred K. Williams.....30 00	Fisher Holmes.....25 00	Jean Liabaud.....25 00	Paul Neyron.....25 00
American Beauty.....25 00	Francois Michelin.....25 00	Louis Van Houtte.....25 00	President Kruger (New).....35 00
Baroness Rothschild.....25 00	Frau Karl Druschki.....25 00	Magna Charta.....25 00	Prince Camille de Rohan...25 00
Baron de Bonstettin.....25 00	General Jacqueminot.....25 00	Mrs. R. G. Sharman Crawford..25 00	Queen of Queens.....25 00
Camille Bernardin.....25 00	George Arends (New).....35 00	" John Laing.....25 00	Rodocanachi.....25 00
Capt. Christy.....25 00	Gloire de Chedanne Guin-...35 00	Mabel Morrison.....25 00	Tom Wood.....25 00
Captain Hayward.....25 00	oisseau.....35 00	Mme. Victor Verdier.....25 00	Ulrich Brunner.....25 00
Clio.....25 00	Gloire de Margottin.....25 00		Victor Verdier.....25 00
Charles Lefebvre.....25 00			

TEA AND OTHER EVERBLOOMING ROSES.

Per 100	Per 100	Per 100	Per 100
Corallina.....\$30 00	Maman Cochet Pink.....\$25 00	Miss Alice de Rothschild.....\$25 00	Queen's Scarlet, or Agrip-...\$20 00
Charlotte Klemm.....25 00	White.....25 00	Mrs. Hubert Taylor.....50 00	pina.....30 00
Etoile de Lyon.....25 00	Marie Van Houtte.....25 00	Mrs. B. R. Cant.....25 00	Souvenir de Pierre Notting...30 00
Hermosa.....20 00	Mme. Joseph Schwartz.....25 00	Perle des Jardins.....30 00	" Catherine Guillot.....30 00
Hugo Roller.....35 00	Molly Sharman Crawford.....50 00	Papa Gontier.....25 00	Safrano.....25 00
Harry Kirk.....35 00			

BABY RAMBLER ROSES.

Per 100	Per 100
Annen Muller, Pink Baby \$20 00	Mme. Norbert Levavasseur.....\$20 00
Catharine Ziemet, White.....20 00	Crimson Baby.....20 00
Baby.....20 00	Mrs. Cutbush, Cherry-red.....20 00
Jessie.....25 00	Baby.....25 00
Louis Walter or Baby Tau-...35 00	Orleans (New).....25 00
sendschon.....35 00	

AUSTRIAN or YELLOW BRIER ROSES.

Per 100	Per 100
Austrian Copper.....\$30 00	Harrison Yellow.....\$30 00
Austrian Yellow.....30 00	Persian Yellow.....25 00

Pernetiana or Hybrid Austrian Briers.

Juliet New.....Per 100, \$35 00	
Soliel d' Or or Golden Sun.....Per 100, 30 00	

SWEET BRIER ROSES.

Per 100	Per 100
Refulgence (New).....\$35 00	Meg Merillies.....\$30 00
Anne of Geierstein.....30 00	Common Sweet Brier or.....20 00
Brenda.....30 00	Eglantine.....20 00
Lord Penzance.....30 00	

WICHURAIANA ROSES.

Per 100	Per 100
Wichuraiana, white.....\$20 00	Wichuraiana, Pink Roamer.....\$20 00
" Evergreen Gem.....20 00	" Triumph.....20 00
" Gardenia.....20 00	" Universal Fa-...20 00
" South Orange.....20 00	vorite.....20 00
Perfection.....20 00	

CLIMBING or RAMBLER ROSES.

Per 100	Per 100
American Pillar.....\$20 00	Gloire de Dijon.....\$30 00
Baltimore Belle.....20 00	Marchal Neil.....30 00
Crimson Rambler.....25 00	Prairie Queen.....20 00
Climbing Clothilde Soupert..25 00	Tausendschon.....25 00
" Caroline Testout.....30 00	Trier.....25 00
Climbing Belle Siebrecht.....30 00	White Dorothy.....25 00
" Kaiserin Augusta.....30 00	W. A. Richardson.....30 00
Victoria.....30 00	White Banksia.....25 00
Dorothy Perkins.....25 00	Yellow Banksia.....25 00
Excelsa (New).....30 00	Yellow Rambler.....25 00
Flower of Fairfield.....25 00	

RUGOSA ROSES.

Per 100
Rugosa Red.....\$18 00
White.....18 00

MOSS ROSES.

Per 100
Blanche Moreau.....\$25 00
Princess Adelaide.....25 00

ORDER AT ONCE WHILE THE SELECTION IS GOOD.

HENRY A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

The Above Prices are Intended for the Trade Only.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

Prices of Indoor Fruits and Vegetables.

Chicago, May 19.—Mushrooms, 25 cents to 75 cents per pound; lettuce, 20 cents, small cases; radishes, \$1.50 to \$1.75 per 100 bunches; pieplant, 30 cents to 40 cents per box; cucumbers, 50 cents to \$2.00 per box of two dozen; asparagus, 75 cents to \$1.45 for 24 bunches.

New York, May 17.—Cucumbers, 50 cents to \$1.00 per dozen; mushrooms, \$1.00 to \$2.75 per 4-pound basket; tomatoes, 15 cents to 20 cents per pound; radishes, 75 cents to \$1.25 per 100 bunches; rhubarb, 50 cents to \$1.00 per 100 bunches; lettuce, \$1.50 to \$2.00 per 2-box strap.

Lettuce Troubles.

ED. AMERICAN FLORIST:

We are having a great deal of trouble with our lettuce, which develops brown spots on the edges of the leaves. This does not occur until the lettuce is nearly ready to cut and we are sure it is not smoke, as we have not smoked one house for 2 months. There seems to be some mildew also, and the parsley and radish crops seem to have become diseased within the last week or two. The leaves of the parsley show little brown spots and the radish leaves something of the same nature, only of a different color. It appears to be some bacterial or fungus disease. The lettuce trouble seems to be caused by some fault of culture rather than disease. These plants are all grown on good soil with about one-third rotted manure, and in a temperature of 45° at night and with plenty of air whenever possible.

Nebraska. A. B.

The samples arrived in poor condition. However a fair examination was possible and we agree with the sender that the trouble is a fault of culture, and that mainly in ventilating. This belief is further strengthened by the presence of mildew which is caused by bad ventilation and improper watering. Mildew will always produce spotted lettuce, which tendency is intensified as the lettuce approaches maturity. The sample of lettuce sent is much too old as evidenced by the stem. Such lettuce drops an outer leaf for a new one formed, hence no progress is possible.

Mildew is especially fatal to young plants and those attacked never produce a good crop. Mildew corresponds to the human ailment known as a "cold" and is the result of the same condition: cold currents on tender parts. The remedy is not in preventing the cold currents as much as in preventing a soft growth. There is no greater safeguard than a sturdy, solid growth produced by ample ventilation day and night. Most growers err in the morning. They wait too long in admitting air. Just as soon as the temperature advances several degrees over the night temperature some air should be admitted and increased

toward noon as needed. In the afternoon the houses should be closed gradually, and not suddenly.

We have often in these columns recommended a gradual advance up to, say, 2 o'clock and then a gradual decline towards evening. This is nature's way. And finally observe the rule: either air or heat. If no heat is required never shut the houses, and if you have to shut down, turn the heat on at once. During warm rainy spells fire a little with the air on. The great fault of hot water heating is the overheating of houses when a bright morning follows a cold night. The remedy is the early ventilation. If the temperature is allowed to run up 15 or 20° damage will surely result. Mildew will yield to some extent to sulphur on steam pipes or sulphur evaporated on a special heater made for the purpose, but this must go hand in hand with good culture. Faulty watering is also productive of mildew—wet foliage over night or excessive dampness in the house. Water on bright days only and early in the morning. If need be, fire with vents open to dry off the houses.

The sample of radishes and parsley also confirms the opinion that the ventilation is faulty. These crops are all so hardy and healthy and easily grown that any remedies are almost unnecessary. Radishes should be thinned promptly after up, to prevent overcrowding and parsley if not closely cut may need cleaning to remove dead leaves. These are the only precautions we have ever used. "An ounce of prevention is better than a pound of cure," applies to this case. Lettuce plants will mildew more easily on the ground floor than on benches and also more easily in connected houses than in single houses. Try to raise good plants for a good start.

MARKETMAN.

BEAVERDE, ILL.—Frank Brigham has rented the Fairview Greenhouse of the B. E. Eldredge estate and taken charge, May 15. Mr. Brigham will continue the place as a wholesale cut flower business and everything looks bright for a heavy cut for Decoration day. Mr. Brigham has been manager here for three years.

Vegetable Plants.

CABBAGE—Wakefield, Succession, Early and Late Flat Dutch, Surehead All Head, Danish Ball Head, etc. at 20c per 100. 500 for 75c., \$1.00 per 1000; 10,000 and over, 85c per 1000.

LETTUCE—Grand Rapids, Big Boston, Boston Market, and Tennis Ball, 20c per 100. 500 for 75c., \$1.00 per 1000.

BEEF—Eclipse, Crosby, and Egyptian, 25c per 100. 500 for \$1.00, \$1.25 per 1000.

CELERY—Golden Self Blanching, 40c per 100; \$2.50 per 1000.

TOMATO PLANTS Will be ready about May 25. Send for Catalogue. Cash with Order.

R. VINCENT, JR., & SONS CO., WHITE MARSH, MD.

Gladiolus.

America, pink.....	100	1000
Brenchleyensis.....	\$3 00	\$25 00
	1 40	12 00

PYRAMID BOX TREES.

3 foot, well shaped.....	Each, \$2.50
3½ foot, well shaped.....	Each, 3 50

A. Henderson & Co.,
352 N. Michigan Ave., CHICAGO



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Pure Culture Mushroom Spawn

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HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$8.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

CLEAN, HEALTHY, STRONG ROSE STOCK

From 2½-inch pots.

Per 100

Per 1000

American Beauty.....	\$6.00	\$50.00
Prince de Bulgarie.....	6.00	50.00
Richmond.....	5.00	40.00
Pink Killarney.....	4.00	35 00
Madison (Limited supply).....	5.00	

BENCH PLANTS PINK KILLARNEY, \$25.00 per 1000.

J. A. BUDLONG, 82 East Randolph Street, CHICAGO, ILL.



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IMPORT PRICES

FOR

Bulbs and Plants

The above price list is now being mailed. If not received ask for a copy.

We can save you money
Our stocks of special Paper white Grandifloral Precocious Narcissus, as well as Mammoth Freesias, both Purity and Vaughan's Star are unequalled.

Vaughan's Seed Store
NEW YORK CHICAGO

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.
Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

J. McHutchison, chairman of the American Association of Nurserymen membership committee, reports that 118 members have been added to the organization.

American Association of Nurserymen. CONVENTION PROGRAMME.

The following is the programme of the annual convention of the American Association of Nurserymen, to be held at Portland, Ore., June 17-20. Tuesday's programme is that of the Pacific Coast Association of Nurserymen.

TUESDAY, JUNE 17.

Pacific Coast. Business Session.
9:30 A. M. Reception for Members and Visitors.
10:30 A. M. Announcements by President.
Minutes of Last Meeting.
Reports of Vice-Presidents.

Reports of Committees.

Transportation—J. B. Pilkington, Portland, Ore.
Membership—S. A. Miller, Milton, Ore.
Exhibits—J. A. Stewart, Christopher, Wash.
Legislation.

TUESDAY, 2 P. M.

Executive Committee—M. McDonald, Orenco, Ore.
Secy.-Treas. Report—C. A. Tonneson, Tacoma, Wash.
Report of Committee of Presidents—M. McDonald, Orenco, Ore.
Question Box.
Election.

TUESDAY, 8:00 P. M.

Pacific Coast Protective Association.
Joint Session.

WEDNESDAY, JUNE 18, 9 A. M. MUSIC.

Address of Welcome—Governor West.
Address of Welcome—Mayor Rushlight.
Response—For American Association—
For Pacific Coast Association—P. A. Dix.
President's Address—For American Association—Thomas Meehan.
President's Address—For Pacific Coast Association—Albert Brownell.
"What Shall the Future of Horticulture Be?"
E. W. Kirkpatrick, Kinney, Texas.
Discussion—Geo. C. Roeding, Fresno; H. W. Kruckeberg, Los Angeles, Calif.
(Subject to be Selected.)
William P. Stark, Neosho, Mo.
(Subject to be Selected.)
J. H. Dayton, Painesville, Ohio.
Discussion—J. B. Morey, Dausville, N. Y.; F. W. Watson, Topeka, Kan.
Question Box—Conducted by Secretary John Hall.

WEDNESDAY, 1:30 P. M. MUSIC.

E. S. Welch, Shenandoah, Iowa.
Discussion—Henry B. Chase, Chase, Ala.; J. B. Pilkington, Portland, Ore.
"Park Making on the Pacific Coast."
E. F. Mische, Supt. of Parks, Portland, Ore.
Discussion—J. Horace McFarland, Harrisburg, Pa.; Harlan P. Kelsey, Salem, Mass.; D. A. MacRorie, San Francisco, Calif.
"Care of Small Fruit Plants—Duty of Nurseryman and Planter."

L. J. Farmer, Pulaski, N. Y.
Recess—4:00 P. M.
Wednesday Evening.

Local Entertainment.
Features to be announced later.

THURSDAY, 9:00 A. M. MUSIC.

"Working and Results of the New Federal Horticultural Law."
J. McHutchison, New York City.
Discussion—D. S. Lake, Shenandoah, Iowa; John S. Armstrong, Ontario, Calif.
"Horticultural Laws."
Geo. C. Roeding, Fresno, Calif.
Discussion—W. C. Reed, Vincennes, Ind.; Peter Youngers, Geneva, Neb.; M. L. Dean, State Horticulturist, Missoula, Mont.
"Oregon's New Quarantine Law."
Discussion—W. K. Newell, Gaston; F. A. Wiggins, Toppenish, Wash.; John Vallance, Oakland, Calif.
Question Box.

THURSDAY, 1:30 P. M. MUSIC.

"Nurserymen's Problems in Fungus and Bacterial Diseases."
Prof. H. S. Jackson, O. A. C.
Discussion—A. van Holderbeke, Spokane, Wash.; A. W. Morrell, State Entomologist, Phoenix, Ariz.

"Uniform Horticultural Laws: Their Enforcement and Benefits."

A. J. Cook, Sacramento.
D. J. Tighe, Billings, Mont.
Discussion—F. H. Wilson, Fresno, Calif.
(Subject to be Selected.)
Prof. C. I. Lewis, O. A. C.
"Between the Nurseryman and Fruit Grower."
Prof. O. M. Morris, Pullman.
Brief Discussion—L. C. Stark, Louisiana, Mo.; Chas. P. Hartley, Emmett, Idaho.
THURSDAY, 7:45 P. M.

Paper by (Subject and Speaker to be announced.)
British Columbia.

Meeting of American Nurserymen's Protective Association.

Meeting of State Vice-Presidents: (Time to be announced.)

BUSINESS SESSION.

FRIDAY, 9 A. M.

Report of Secretary—John Hall.
Report of Treasurer—Chas. J. Maloy, Rochester, N. Y.

Committees.

Executive—Henry B. Chase.
Co-operation with Entomologists—L. A. Berckmans, Augusta, Ga.
Legislation—East of Mississippi River, Wm. Pitkin.
Legislation—West of Mississippi River, Peter Youngers.
Publicity and Trade Opportunities—W. P. Stark.
Root Gall—E. A. Smith.
Tariff—Irving Rouse.
Transportation—Chas. M. Sizemore.
Membership—James McHutchison.
Program—Samuel Miller.
Exhibits—F. W. Power.
Entertainment—J. B. Pilkington.
Vice-Presidents.
Election of Officers.
Unfinished Business.
Resolutions.

ENTERTAINMENT.

WEDNESDAY EVENING.

Features to be announced by Committee.

FRIDAY, 12:00 NOON.

Attendees are invited to become guests of the Oregon Nursery Company on a trolley trip to their nurseries at Orenco, where lunch will be served at 1:00 P. M. After inspection of the nurseries and recreation, the return trip will be made, arriving at Portland late in the afternoon.

SATURDAY.

Excursion and banquet on the famous Columbia River, given by the local nurserymen. Steamer "Bailev Gatzert," leaving at Alder street docks. Time to be announced.
This is considered one of the finest scenic trips in the United States.

IMPORTANT SUGGESTIONS.

The Secretary expects to be in his office at the Hotel Multnomah, immediately after the arrival of the "Rochester Special," at 10:35 Tuesday evening, June 17.
Each member must register at once on arrival and receive his badge. Don't leave your badge book at home.

Those desiring to join the American Association should see the secretary or his assistant. Membership fee is \$5, including badge book of about 150 pages, the largest list ever published by the association, and souvenir badge.

Address letters for the secretary, between June 9 and 14, only, care Hotel Multnomah.

Before leaving home leave plain instructions as to how you may be communicated with.

MEMBERS' BADGE.

The souvenir badge is being prepared by the Pacific Coast brethren, and will be given to members free after they have registered. Members not at the convention will receive their badges by mail later.

—For the Best New and Standard—

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—Address—

Peacock Dahlia Farms,

P. O. Berlin N. J. Williamstown Junc., N. J.
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Wholesale growers for the trade—
trees and plants of all kinds.

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Are my specialties.

I grow these by the acre. Please get my prices and try some of my stock.

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Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Spring Bulbs and Roots, Conifers, Pines.

English Ivy

4 ft. bushy, 4 inch pots.....\$15.00 per 100
4 and 5 ft. bushy, 4½ inch pots 20.00 per 100

Good value for window effect.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad. :: ::

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

Some of Aschmann's Choice Plants

A wonderful clock at a hotel in Interlaken, Switzerland. The biggest wonder of nature the world has ever seen.

See that clock? It is made of flowers. It has hands and shows the time!

See that little house in the rear, also made of flowers? There is hidden a mechanism that strikes the quarter, half and the hour. What do you think this clock is made of? It is made of plants of brilliancy—mostly of dwarf begonias, the Vernon type, short variety, pink and red. The head gardener, the creator of this clock, of this famous, world-wide known hotel at Interlaken, Switzerland, has been offered a fortune by American and other millionaires of the world, to make them a clock similar to this, but he declined the offers, saying that he was hired by the hotel company for the next ten years. I was fortunate enough,

Is Not That a Sight.

A Sight, yes! "the greatest sight we ever saw," explained one tourist to another, gazing from the other side and pointing at an old-fashioned house, on barnyard No. 10 north, exposing in the moonlight a heap of wax, large, white, fragrant flowers. "What kind of a vine is that," they asked one another? It is that so well reputed, white flowering moon-flower. A gentleman hearing the conversation of the two, remarked that Godfrey Aschmann of Philadelphia was the man that raised them and shipped them all over the entire country.

It is a rapid grower and a constant bloomer, grows fifty feet high in one summer. Nothing better for quick shade; grows everywhere; on the garden walls on the roof garden, the barns and all over the house in a remarkable short time; thrives well in any soil. The botanical name is *Ipomoea Noctiflora*.

We raise them by the 100,000 and it is one of our great specialties—35 years on the market. It bears an abundance of sweet, pure white, waxy flower as big as a saucer; nothing is more amusing than watching them in the evening when they open. 2½ in. pots, \$5.00 per 100; 4 in. pots, \$12.00 per 100. Now is the best time to plant; danger of frost is now over.

Heliotrope, best blue, 4 inch, 7c.
Ageratum, 4 inch, 7c.
Dracaena Indivisa, bush plants, 5½ in., 20c-25c.
Honeysuckle Salicaria, Chinese evergreen, variegated, 4 inch, 10c.
Fuchsias, assorted, 4 inch, 7c.



Lemon Verbena, 4 inch 7c.
Zinnia Elegans, 2½ inch, 3c.
Snapdragon or **Antirrhinum**, Giant White Giant Pink, Giant Yellow, Giant Scarlet, separate colors, 2½ inch, \$3.00 per 100.
Tropeolum or **Nasturtiums**, 4 inch 7c; dwarf, **Empress of India** and others, 2½ in., \$3.00 per 100.
Alternanthera, \$3.00 per 100.
Cannas, best assortment, named separate colors, the best sorts, 7c, 8c, 9c, 10c. **King Humbert**, 4 in. 8c to 10c.
Araucaria Excelsa, new April, 1913 importation, 3, 4 and 5 tiers; 5, 5½ and 6 inch pots; 35c, 40c, 50c, 60c and 75c.
Robusta Compacta Glauca, big stock, 6 in. pots, \$1.25 to \$1.50.
Coleus, fancy leaved, \$5.00 per 100.
Alexandra Daisies, 5½ in. pots, bushy, 20c to 25c each.
Primula Obconica, 4 in. strong, in bloom, 10c; 5½ in., 15c to 20c.
Crimson Rambler Roses, 6 in. pots, suitable for outdoor planting, 3 to 4 feet high, 50c.
Geraniums, 4 in. pots, **S. A. Nutt.** scarlet; **Buchner**, white; **E. G. Hill**, salmon; **Beaute Poitevine**, salmon; and assorted colors; **Scarlet Sage**, **Bonfire** and **Zurich**, 4 inch \$7.00 per 100.
Asparagus Plumosus and **Sprengeri**, large 4 in. 10c; 3 in., 7c; 2½ in., 4c.
Crego Asters, separate colors, pink, light pink and white, blue, lavender, 2½ inch pots, \$3.00 per 100.

during my visit there, to obtain from the head gardener, the creator of this clock, a supply of seed and stock plants of those beautiful varieties of begonias to raise a sufficient crop of about 50,000 young plants in 2½, 3 and 4-inch pots for you to use in a similar clock, carpet bed or other outside work. A bed of these begonias, pink, the **Erfordii**, or the bright red improved **Vernon**, is a joy forever. Constant bloomers, stay always short and bushy, the hot rays of the sun have no bad effect on them. They can be grown in a sunny or shady place. We can sell you large 4-inch pot plants, either of the improved **Erfordii**, the beautiful pink, or the dark bright red improved **Vernon**, at 10c, \$10.00 per 100; 3-inch, \$7.00 per 100; 2½-inch, \$5.00 per 100; 5½-in. plants, 25c each; big plants, 25 at 100 rate.

Small Plants.

Phlox, **Drummondii grandiflora**, assorted colors, 2½ in. pots, \$3.00 per 100.
Phlox, **Drummondii compacta**, assorted colors, 2½ in. pots, \$3.00 per 100.
Verbenas, assorted, 2½ in., \$3.00 per 100.
Petunias, **California Giants** 3 in., best plants, \$5.00 per 100; double assorted, 4 inch, 7c.
Petunias, **Inimitable**, dwarf or compacta, \$3.00 per 100.
Corn Flowers, old fashioned blue, 2½ inch, 5c.
Tagetes, dwarf marigold, \$3.00 per 100.
Coleus, **Golden Bedder**, **Victoria Verschaeffeltii**, and assorted, 2½ in., \$3.00 per 100. **Brillianty**, 2½ inch 5c, 4 inch, 8c.
Thunbergia or black eyed Susan, 2½ in., \$3.00 per 100.
Centaura Gymnocarpa, **Dusty Miller**, 2½ in., \$3.00 per 100.
Lobelia, **Crystal Palace compacta**, dark blue, \$3.00 per 100.
PALMS, **Kentia Forsteriana**, 4 in., 25c to 35c; 5½, 5½, 6 in. pots, 25, 30, 35, 40 to 50 in. high, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50.
Cosmos, made up of 3 plants, 2½ inch pots, separate colors, white, pink, red, \$3.00 per 100.
Kentia Belmoreana, large, 4½ in., 25c to 35c; Made-up of 3 plants, 6 in. pots, 75c to \$1.00.
Clematis Paniculata, large, 5½ to 6 in., per dozen, \$2.00.
Neph. Scotti, 4 in., 15c to 20c; 5, 5½, 6, 7 in., 25c, 35c, 40c, 50c, 60c, 75c. **Whitmani**, small, 4 in., 20c; 5, 5½ in., 25c to 35c.

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1012 W. Ontario St.,
Philadelphia, Pa.



Pansies

Romeo Prize Winners, a grand strain, very strong, transplanted plants in bud and bloom, \$1.25 per 100; \$10.00 per 1000.

Vincas Variegata, 2 in., very fine stock, \$2.00 per 100; \$18.00 per 1000. 3 in., \$5.00 per 100.

C. HUMFELD, - **Clay Center, Kan.**
The Rooted Cutting Specialist.

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PALMS, FERNS AND Decorative Plants

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BROOKLYN N Y

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SALVIA SPLENDENS and BONFIRE

Good Strong Plants from Soil.
60 cents per 100; \$5.00 per 1000.
Dracaena Indivisa, 2-inch, \$2.00 per 100.
Geraniums, 2-inch, 1.85 per 100.
Cobea Scandens, 2-inch, 3.00 per 100.
Marguerite, Mrs. F. Sanders, 2 in. 2.00 per 100.
Double Alysum, 2 inch, 2.00 per 100.

ELMER RAWLINGS - - **OLEAN, N. Y.**

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SHERMERVILLE, ILL.

Wholesale Grower of Cut Flowers, Pot Plants and Nursery Stock.

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CARNATIONS

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LaFayette, - - Indiana

Dracaenas

They are free from brown tips. A trial order will convince you of their quality.

6 in. 40 in. high, 40 or more leaves...\$30.00 per 100
5 in. 25 in. high, 25 or more leaves...25.00 per 100
4 in. 15 in. high, 15 or more leaves...15.00 per 100
Asparagus Hatcherii, 2½ in., 5.00 per 100
Seeds...12.00 per 1000
Seeds...6.00 per 1000

Send for list of Mums and Pompons.

They are sure to please.

West Main Greenhouses

CORFU, N. Y.

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Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my Specialty

SEASONABLE PLANTS

Plants from 2½ inch pots \$3.00 per 100.

Asparagus Sprengeri; **Allyssum**, Little Gem; **Parlor Ivy**; **Phlox**, Drummond dwarf; **Ageratum**; **Euonymus**, Radicans var.; **Euonymus**, golden variegated; **Salvia**, Bonbre; **Hydrangea Oaklea**; **Bridal Myrtle**; **Swainsona Alba**; **Artillery Plant**; **Verbenas**, scarlet, pink and white; **Coleus**, Verschaffeltii, Golden Bedder, Queen Victoria.

Plants from 3 inch pots, \$4.00 per 100.

Ampelopsis Veitchii; **Clematis Paniculata**; **Dracaena Indivisa**; **Wallflower**; **Ivy**, hardy English; **Fuchsia**, early flowering; **Lantanas**; **Passion Vine**.

Althernantheras, Brilliantissima, yellow, pink, 2½ inch pots, \$2.50 per 100.

Anthericum, variegatum, 4 inch pots, 10c each.
Kentia Belmoreana, 3 in. pots, 3-4 leaves, \$1.50 per doz.

Myrtle Plants, the real bridal Myrtle 4 in. pots, \$1.50 per dozen; 3 in. pots, \$1.00 per dozen.

Passion Vine, 4 inch pots, 10c each.

Ampelopsis Veitchii, 10c each.

Clematis Paniculata, 4 inch pots, 10c each; 5 inch pots, 15c each.

Bouvardias propagated from root cuttings, scarlet, white and pink, 2 inch pots, \$3.00 per 100.

C. EISELE,

11th and Westmoreland Streets
PHILADELPHIA, PA.

Mention the American Florist when writing

Davenport, Ia.

MOTHERS' DAY TRADE SHOWS GAIN.

Business the past week was very satisfactory in the plant line but very quiet in the cut flower business with the exception of Mothers' day, which was better by far than last year. In fact, it exceeded all expectations and white carnations were cleaned up long before the day was half over. Colored flowers were more in demand also than last year. The outlook for Memorial day is gloomy, with light frost every night. Peonies and other outdoor flowers are likely to be late. However, warm weather in the meantime with an occasional shower may put things in fine shape.

CLUB MEETING.

The Tri-City Florists' Club met in regular session at the home of Wm. Knees of Moline, Ill., May 8, with nearly all of the members present. President John Staack presiding. The "Trials of a Wholesaler," by Ludwig Stapp, and "Outdoor Bedding," by Henry Meyers were the subjects of the evening, both papers being well received. A lively discussion followed. A question box is to be a feature at the meetings hereafter in addition to the regular subjects of discussion. The holding of the annual picnic came up for its share of attention and the president appointed A. Anderson, C. Sorenson and Wm. Knees committee on arrangements with full power to act. Theo. Ewoldt, president of the Bachelors' Club, offers as a prize to the lady over 16 years of age winning the 100 yards dash a handsome hand-painted china plate. The picnic probably will be held at the summer home of Wm. Knees on Rock river. After other routine matters were adjusted and after accepting Theo. Ewoldt's invitation to the annual strawberry supper to be held in the middle of June, the members adjourned to the dining room where Mrs. Knees and her daughter were waiting with a fine hot supper. After a vote of thanks were given Mr. Knees and his family and a social hour enjoyed the members left for their homes. The club has entered upon its tenth year.

T. E.

ASTER PLANTS



Eleven rows 200 feet long of Aster Seedlings ready for immediate shipment in following varieties: Carlson's, Vick's Purity and Daybreak, Vick's and Semple's branching, Queen of the Market in all colors. Strong Seedlings, \$3.00 and \$4.00 per 1000. Strong Transplanted, \$1.00 per 100. From pots ready May 25, \$2.00 per 100.

DANVILLE FLORAL COMPANY

DANVILLE, ILLINOIS.

Cut Flowers and Plants for Memorial Day

AT WHOLESALE

We have a large stock of **Carnations**, large and small **Gladioli**, an immense stock of **Spirea Gladstone** and **Queen Alexandra**, also **Stocks**, **Feverfew**, **Easter Lilies** and various kinds of flowering plants. We will sell **Spirea** both as cut flowers and potted plants. Let us know your needs as to quantities and we will name you a very low price. We also have a splendid stock of

CHRYSANTHEMUM ROOTED CUTTINGS

of the following varieties:

	Per 1000		Per 1000
Alice Byron.....	\$15.00	Major Bonnaffon.....	\$15.00
Doctor Enguehard.....	15.00	Maud Dean.....	20.00
Golden Glow.....	15.00	Virginia Poehlmann.....	20.00
Jeanne Nonin.....	15.00		

Shepard's Garden Carnation Company

292 Fairmount Street, LOWELL, MASS.

HALIFAX, N. S.—The Easter business was greater than in 1912, according to a report by F. W. Killiam. Prices were about as usual for the occasion. Plants were equal to the demand in most varieties, but the supply of cut flowers was not quite large enough to meet the call. The demand was good for all plants, particularly bulbous stock. All flowers sold readily. In addition to the Easter trade there was a heavy demand for funeral flowers and also flowers for the Duchess of Connaught and party who were returning to England.

SMITHVILLE, TENN.—H. F. Keith, a local nurseryman, was shot and probably fatally wounded by W. H. Scarborough, a wealthy citizen of Cumberland City, who objected to Mr. Keith's attentions to his stepdaughter. Miss Scarborough immediately took her place as nurse at the wounded man's bedside. The result of the shooting has not been learned.

DE LAND, FLA.—The following officers were elected at the recent meeting of the Florida State Horticultural Society: H. H. Hume, Glen St. Mary, president; H. B. Stevens, De Land; W. C. Temple, Tampa, and L. B. Skinner, Dunedin, vice-presidents; E. O. Painter, Jacksonville, secretary; W. S. Hart, Hawks Park, treasurer. The 1914 convention will be held at Palatka.

TOPPENISH, WASH.—The packing and shipping plant of the Washington Nursery Co. was completely destroyed by fire May 4. Heroic work saved the office and the storage warehouse. The loss is estimated between \$7,000 and \$10,000, and the insurance on the building and contents amounted to \$4,000.

TEXARKANA, TEX.—E. L. Kiley has purchased the State Line Floral Co. of Mrs. Aleon. Mr. Kiley has been in the cut flower business in this city only a short time, having moved here from Paris.

From the Cambridge University Press

THE GENUS IRIS

By WILLIAM RICKATSON DYKES
With 48 colored plates and 30
line drawings in the text

This volume brings together the available information on all known species of Iris. The most striking feature of the book is the life-size colored plates, reproduced from originals drawn from living plants—making it a volume of great beauty as well as of scientific importance.

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HOLLYHOCKS

In assorted colors, \$40 per 1000

Hardy Chrysanthemums

In best varieties, Clumps, \$5 per 1000
Strong plants from 2½ inch pots, \$3.00 per 100.

A General Variety of HERBACEOUS
PERENNIALS from 2½-inch pots.

THE NEW ENGLAND
NURSERIES CO.,

BEDFORD,

MASS.

Mention the American Florist when writing

HARTFORD, CONN.—Mrs. Elizabeth K. Eggert, a local florist, is the loser by \$50 because she trusted George Esmond, an employee. She gave Esmond the money to deposit but the bank hasn't seen him yet.

ROSES

Mrs. George Shawyer

THE growers who are claiming that Mrs. Shawyer cannot be grown without mildew are welcome to call at this establishment and see for themselves whether or not this is the case. We have not seen mildew on Shawyer since Thanksgiving and any grower who has it is simply growing it too hot. A night temperature of 56 to 58 will suit Shawyer to perfection. We can still quote **Shawyer** and **Milady** first-class own root, 3-inch stock at \$30.00 per 100; \$250.00 per 1000. Also:

Pink and White Killarney, Richmond, Taft, My Maryland, and American Beauty, 3-inch own root stock at \$10.00 per 100.

CHAS. H. TOTTY, Madison, N. J.

Detroit.

RAIN HURTS TRADE.

Unseasonably cold weather with heavy rains the past week was responsible for a decided depression in trade which was felt by all dealers, especially those who do a big trade in bedding plants. As a result of the general stagnation an accumulation of some lines of stock was daily to be seen. This was particularly true of roses, of which unusually heavy cuttings are being made. Carnations have been soft and generally poor in quality but there is no surplus. Sweet peas of the Spencer type are now coming in and their appearance relegates the ordinary varieties to the rubbish barrels. Some Ohio-grown peonies are on the market, but little call for them has yet developed.

CLUB MEETING.

The Florists' Club meeting Monday evening, May 19, was fairly well attended, as a result of the call of the secretary to hear an address by A. Pochelon on the Florists' Telegraph Delivery Association. Mr. Pochelon, who is secretary of the association, related in detail the work of the society and pointed out the great benefits to be gained by joining it. A vote of thanks was given him for his interesting address. The meeting was held in the L. Bemis & Co. store, which will hereafter be the regular meeting place the first and third Monday evening of every month. The publicity committee made a report of its work for Mothers' day which met with the members' approval as the trade developed on the occasion was most satisfactory and in most cases exceeded that of last year. Encouraged by the success of the committee's efforts in advertising their annual events instructions were given to repeat the publicity plans for Memorial day as far as the funds subscribed will permit. There was on exhibition some blooms of the new carnation Princess Dagmar sent by M. A. Patten & Co., Tewksbury, Mass. It is a deep crimson variety, very large and fragrant and borne upon long, stiff stems. It made a very favorable impression upon growers and retailers alike. S. S. Skidelsky was a visitor.

J. F. S.

ELMIRA, N. Y.—The United States Cut Flower Co. is building a new greenhouse 48 x 250 feet.

10,000 GERANIUMS

S. A. NUTT, 4-in., in bloom.....\$8.00 per 100. 5,000 3-in., \$4.00 per 100

COLEUS.

Golden Bedder, Her Majesty, Verschaffeltii, 2½-in. stock, \$3.00 per 100; \$25.00 per 1000; 3-in., \$4.00 per 100; \$35.00 per 1000.

DRACAENA INDIVISA.

6-in.....\$5.00 per dozen; \$40.00 per 100

ENGLISH IVY.

2½-in.....\$3.00 per 100; \$25.00 per 1000

VINCAS.

2½ in.....\$3.00 per 100; \$25.00 per 1000

SALVIAS.

3-in.....\$5.00 per 100

ASPARAGUS SEEDLINGS.....\$7.50 per 1000

Holton & Hunkel Co.,

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We have about 10,000 **Pink and White Killarney**, of three inch Grafted stock. This stock is of exceptional value. Price, **\$15.00 per 100; \$145.00 per 1000, 700 Grafted Kaiserin same value and same price.**

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1800 White Killarney, 3800 Pink Killarney, 500 Kaiserin, 1800 Richmond, 2½-in. pots, \$5.00 per 100; \$45.00 per 1000. 1700 Perles, ready in three weeks. \$5.00 per 100; \$45.00 per 1000.

J. L. DILLON,

BLOOMSBURG, - PA.

Geraniums and Coleus

Strong rooted cuttings of **Geraniums**, Nutt and Poitevine at \$10.00 per 1000; Ricard, \$12.50. **Coleus**, \$5.00 per 1000, red, yellow and a fine assortment, a bargain in four inch stock plants at \$2.50 per 100; sample 10 cents. **Asters**, in general assortment, state varieties and colors wanted at \$3.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

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DAILLEDOUZE BROS.

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These trees come in tubs.

Nothing can approach these handsome trees for decorating porches piazzas, or hall entrances and they are largely used for stately effects in formal gardens.



STANDARD BAY TREE

Standard or Tree Shaped.			
Stems		Each	Pair
35-in.	Crowns 24 in.	\$ 7 00	\$13 00
45-in.	26-in.	7 50	14 00
45-in.	28-in.	8 00	15 00
45-in.	30-in.	10 00	18 00
48-in.	34 in.	12 00	22 00
48-in.	40-in.	15 00	28 00

Dwarf Standards.			
Stems		Each	Pair
30-in.	Crowns 24-in.	\$ 7 00	\$13 00
18-in.	24 in.	7 00	13 00
12-in.	30 in.	7 50	14 00

Pyramidal Shaped.			
		Each	Pair
5 ft. high, 24-in. diameter at base.		\$ 8 00	\$15 00
6 ft. high, 26 in. diameter at base.		10 00	18 00

BOX TREES.

Sheared into compact shape, these Box Trees make beautiful specimen plants in any form which can be used for all decorative purposes like the Bays, but at less expense. The bush plants can also be used with telling effect for window boxes.

Prices on Pyramid and Globes include new green tubs. If wanted out of tubs we allow 10 per cent discount.

Pyramidal Shaped.

	Each	Pair		Each	Pair
2½ ft. high.	\$2 00	\$3 75	4 ft. high.	\$4 50	\$ 8 00
3 ft. high.	2 50	4 50	5½ ft. high.	8 00	15 00
3½ ft. high.	3 50	6 00			



PYRAMIDAL BOX TREE

Globe Shaped, Trimmed.

Each	Pair	Each	Pair
15 in. high, 15 in. dia. \$2 75	\$5 00	18 in. high, 18 in. dia. \$3 50	\$6 50

Globe Shaped, Untrimmed.

Each	Pair	Each	Pair
15 in. high, 15 in. dia. \$2 00	\$3 75	22 in. high, 22 in. dia. \$3 00	\$5 50
18 in. high, 18 in. dia. 2 50	4 50	24 in. high, 24 in. dia. 3 50	6 50

Bush Shaped.

These do not come in tubs.

Each	Pair	Each	Pair	Doz.	100	Each	Doz.
15 in. high, 15 in. dia. \$2 00	\$3 75	22 in. high, 22 in. dia. \$3 00	\$5 50	12 in. \$0 40	\$4 00	24 in. \$1 00	\$10 00
18 in. high, 18 in. dia. 2 50	4 50	24 in. high, 24 in. dia. 3 50	6 50	18 in. 60	6 50	30 in. 2 50	per pair \$4 50
				20 in. 75	8 00	36 in. 3 50	per pair 6 50

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3½-in. NUTT, GRANT and LAKE LAND, all Reds, at \$6.50 per 100, \$60 per 1000, Cash.

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Malacoides, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengerii, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

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GALVANIZED WIRE ROSE STAKES.

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If you contemplate painting your house this year, it will be well for you to investigate the merits of

My Special Greenhouse White Lead Paint

which I use exclusively in the erection of the large ranges of glass that I erect on private estates and public parks. I have increased my plant to take care of the demands made upon me for this paint by florists in all parts of the country. The Lutton reputation for high class material is back of this product. Send for a sample free of cost and then you will send your order. We also furnish materials for the complete erection of modern Iron Frame Greenhouses. Some of the largest growers in the country will testify to this fact.

WILLIAM H. LUTTON, West Side Avenue Station Jersey City, N. J.

M. WINANDY CO., Mfrs.

Greenhouse builders and manufacturers of
**WINANDY'S NEW BENCH
AND HEATING SYSTEM.**

Write for particulars.

6236 N. Lincoln St. CHICAGO
Telephone Ravenswood 607.

Mention the American Florist when writing

Ready Reference Section.

10 CENTS PER LINE, NET.



ALTERNANTHERAS.

Alternantheras, fall struck, strong, 2-in., \$15 per 1,000; R. C., \$4 per 1,000. Write for prices and samples on large lots. The Bushnell Cottage Greenhouses, Bushnell, Ill.

Alternantheras, yellow, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

AMPELOPSIS.

Ampelopsis Veitchii, heavy, 1-year, 2 to 3 ft., strong, 50 for \$2; 100, \$3.25; Parcel Post, \$20 per 1,000; 18 to 24 inches, 50 for \$1.50; 100 for \$2; Parcel Post, \$15 per 1,000. Well rooted plants, tops cut to 6 inches for transplanting, \$12 per 1,000. Samples, 25c allowed on purchase. Chas. Black, Hightstown, N. J.

ARAUCARIAS.

Araucaria excelsa, 6-in., 4 to 5 tiers; \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

To make room in our houses we offer Plumosus Asparagus, extra fine, heavy plants, 3-in., \$4 per 100. Sprenger, 3-in., \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6; 4-in., \$1.50 per doz. Sprenger, 3-in., 75c per doz.; \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Asparagus Sprenger, 2½-in., \$2.50 per 100; \$20 per 1,000; 3-in., 6c. Erie Floral Co., Erie, Pa.

Asparagus plumosus and Sprenger, 2½-in., \$3 per 100; \$25 per 1,000. James Vick's Sons, Rochester, N. Y.

Asparagus plumosus, 2½-in., \$2 per 100. Sprenger, \$2. Jos. H. Cunningham, Delaware, O.

Asparagus seedlings, \$7.50 per 1,000. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Asparagus Hatcher, 2½-in., \$5 per 100; seedlings, \$12 per 1,000; seeds, \$6 per 1,000. West Main Greenhouses, Cortu, N. Y.

Asparagus plumosus and Sprenger, 2½-in., \$2 per 100; 300 for \$5.00. C. Schmidt, Bristol, Pa.

Asparagus Hatcher, 2½-in., \$2.50 per 100; 3-in., \$4. Pöhlmann Bros. Co., Morton Grove, Ill.

Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

ASTERS.

THE SAWYER ASTERMUM—Eight years of strict selection places it on the mountain top of perfection in color, size and profit. Price (cash with order), plants, \$4 per 100. Colors: White, pink and lavender. Send for cuts and description. ALBERT A. SAWYER, Forest Park, Ill.

Aster seedlings, the best fall sorts, 1½c. Memphis Floral Co., Memphis, Tenn.

Asters, state colors and varieties, \$3 per 1,000. A. M. Herr, Lancaster, Pa.

AUCUBAS.

Aucuba Japonica, bushy plants, 35c to \$2.50 each. Julius Roebers Co., Rutherford, N. J.

BAY TREES.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Bay trees and box trees, all sizes and prices. List on application. Julius Roebers Co., Rutherford, N. J.

BEDDING PLANTS.

Bedding plants: Alternantheras, Asparagus Sprenger, plumosus and Hatcher; ageratum; begonias, tuberous rooted, luminosa; Cobaea scandens; celosia; coleus, in variety; dusty miller; Dracena indivisa, geraniums, Nutt, Buchner, La Favorite, Vland, Mrs. E. G. Hill, Ivy, rose, Mme. Sallerol; Grevillea robusta; hellotrope; ivy, English and German; lobelia, speciosa and Crystal Palace; Marguerite Mrs. Sanders; Musa ensata; petunias; reclinus; Salvina, Bonfire and Zurich; pansies. For sizes and prices see advertisement elsewhere in this issue. Pöhlmann Bros. Co., Morton Grove, Ill.

Bedding and other plants, from 2½-inch pots, \$3 per 100; Asparagus Sprenger; Alyssum Little Gem; parlor ivy; Phlox Drummond, dwarf; ageratum; Eucynus radicans var., golden variegated; Salvia Bonfire; Hydrangea Otaka, bridal myrtle; Swainsona alba; arillary plant; verbenas, scarlet, pink and white; antirrhinum Vitt. Plants from 3-in. pots at \$4 per 100; Ampelopsis Veitchii; Clematis paniculata; Dracena indivisa; wallflowers, ivy, hardy English; fuchsias, early dowering; lantanas. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Bedding and basket plants. Asparagus Sprenger, 2½-in., \$3 per 100; \$25 per 1,000. Centaurea Gym., \$3 per 100. Geraniums, Mme. Sallerol, \$2.50 per 100. Ivy, English, 4-in., strong, \$12 per 100. Lobelia Speciosa and Compacta, \$2.50 per 100. Petunia, giant ruffled, \$2.50 per 100. Salvia Bonfire, King of the Carpets and Zurich, \$2.50 per 100. Vinca Variegata, 3-in., \$6 per 100. The Storrs & Harrison Co., Painesville, O.

Bedding plants: Geraniums, 3½-in., \$6.50 per 100. Vinca Var., 4-in., \$10 per 100. Dbl. lobelia, 3½-in., \$6 per 100. Ageratum, blue, 3½-in., \$6 per 100. Salvia Splendens, 3½-in., \$6 per 100. Leonard Cousins, Jr., Concord Junction, Mass.

Bedding plants: Coleus, althernantheras, red and yellow; cigar plant, Ageratum, blue; Verbena, heliotrope, Salvia Zurich, asters, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

BEGONIAS.

Begonias, Argenteo-guttata, Pres. Carnot, Robusta, Sanderson, 3-in., well colored foliage; strong and bushy, 4c. Memphis Floral Co., Memphis, Tenn.

Begonia Lorraine and Glory of Cincinnati, 2½-in. pots, leaf cuttings, immediate delivery. Julius Roebers Co., Rutherford, N. J.

Begonia Luminosa, strong 3½-in., \$8 per 100. C. C. Pollworth Co., Milwaukee, Wis.

BOUVARDIAS.

Bouvardias, red, pink and white, 2-in. pots, \$3 per 100. Henry Smith, Florist, Grand Rapids, Mich.

BERRIED PLANTS.

BERRIED PLANTS.

Jerusalem cherries for field planting, strong, 2½-in., \$3 per 100; \$25 per 1,000.

Fra Diavola, a fine plant to grow in field for Xmas sales; full of berries, \$3 per 100; \$25 per 1,000.

Cluster Peppers, strong 2½-in., \$3 per 100. Celestial Peppers, an indispensable Xmas plant, strong, 2½-in., \$3 per 100; \$25 per 1,000.

PÖHLMANN BROS. CO., Ill.

BOXWOOD.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods, pyramids, 2 to 2½ ft., \$1.25 each; 2½ to 3 ft., \$1.75; 3 to 3½ ft., \$2.50; 3½ to 4 ft., \$3; 4 to 4½ ft., \$4.25; 4½ to 5 ft., \$5; 5 to 6 ft., \$6. Globular, 2 ft., \$2.25 and \$2.50. Standards, 15 to 18 ins., \$2.25; 18 to 21, \$2.75; 21 to 24, \$3.50; 24 to 30, bushes, \$1.50; 30 to 36 ins., bushes, \$2.50. Obelisk, 5 ft., \$12 each. Globe shaped, 2 ft., \$4.50 each; 12 to 15 inches, \$2 to \$2.50. Bushes, 2½ ft., \$1.50; 2½ to 3 ft., \$2.50. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

BULBS.

Gladioli. A good mixture, \$1 per 100; \$9 per 1,000. Choice Florists' mixture, white, light and pink, \$1.75 per 100; \$16 per 1,000. Pink Augusta, best forcing pink, \$2.25 per 100; \$20 per 1,000. Cash. 250 at 1,000 rates. Also America, Augusta, Francis King, Mme. Moneret, Klondyke, George Paul, etc. Send for price list. STEVEN'S GLADIOLI CO., Saginaw, W. S., Mich.

Bulbs, liliun multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, bedding hyacinths, white, red and blue, \$1.60 per 100; \$15 per 1,000. James Vicks' Sons, Rochester, N. Y.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, cold storage Giganteum, 7-9, 8-9 and 9-10. The Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs, gladioli, lilies, and madeira vines and other bulbs. E. S. Miller, Wading River, N. Y.

Bulbs, hyacinths, tulips, narcissi. W. J. Eldering & Son, Overveen, Haarlem, Holland.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

CALLAS.

GODFREY CALLAS.

2½-in., \$4.00 per 100.

CONARD & JONES CO.,

WEST GROVE, PENNSYLVANIA.

CANNAS.

CANNAS—3-inch pot plants: Pres. Cleveland, Paul Marquant, Pennsylvania, \$4 per 100. Soc. Chabanne, Mme. Berat, \$3 per 100. Papa Nardy, C. P. Read, David Harum, Marvel, Flamingo, Cherokee, Jos. Wigan, \$5 per 100. Good plump bulbs, 3 to 5 eyes of Cannabar and mixed sorts, 50c per 100; \$4 per 1,000.

WAGNER PARK CONSERVATORIES, Sidney, Ohio.

IMPROVED CANNAS.

Sixty varieties, healthy plants ready for delivery. Please send for list. King Humbert Canna plants ready for delivery, price \$9 per 100. THE CONARD & JONES COMPANY, West Grove, Pa.

10,000 potted cannas, 25 leading varieties, \$5 per 100 and up; lots of Humbert and Wm. Sander. 25,000 seasonable bedding plants, 2½ and 3-in. 200,000 R. C. chrysanthemums, \$15 per 1,000. Lists free. Benj. Connell, Florist, Merchantville, N. J.

Cannas, 1,000 Richard Wallace, 500 J. D. Eisele, 500 Pennsylvania, \$7 per 100; \$60 per 1,000. A. N. Pierson Inc., Cromwell, Conn.

Cannas, 8 vars., 3x4 pots, \$4 per 100. King Humbert, 3x4 pots, \$7 per 100. Jos. H. Cunningham, Delaware, O.

Canna King Humbert, fine 3-in., \$10 per 100. Henderson, Alemania, Wallace, \$5 per 100. Cash please. Harry Heint, West Toledo, O.

Cannas, A. Bouvier, 3-in., \$5 per 100. Erie Floral Co., Erie, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

CARNATIONS.

Carnation cuttings for immediate delivery. Extra strong plants from soil. Enchantress and White Enchantress, \$3 per 100; \$25 per 1,000. Write for prices on the following varieties from sand: Wodenethe, White Wonder, White Enchantress, Enchantress, Beacon, and Rose Pink Enchantress. J. D. Thompson Carnation Co., Joliet, Ill.

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1,000
Enchantress	\$2.00	\$15.00
White Enchantress	2.00	15.00
White Perfection	2.00	16.00
Rose Pink Enchantress	2.50	20.00
Beacon	2.50	22.00
Yellow Lawson	3.00	25.00

Cash with order or C. O. D.
JOS. SCHOOS,

519 Asbury Ave., Evanston, Ill.

CARNATIONS.

From 2-in. pots ready to plant out.
Fine Stock.

	Per 100	Per 1,000
Pure White Enchantress	\$3.25	\$30.00
Light Pink Enchantress	3.50	32.50
Strong Cuttings from Sand.		
Pure White Enchantress	\$2.50	\$20.00
Light Pink Enchantress	3.00	25.00

Cash with order or references.

SMITH & GANNETT, Geneva, N. Y.

Carnations, from 2-in. pots: Rosette, St. Nicholas, Benora, \$6 per 100. White Perfection, White Enchantress, Scarlet Glow, \$3 per 100. F. Dorner & Sons Co., LaFayette, Ind.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Dailledouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

For immediate shipment, strong guaranteed cuttings that will produce fancy stock. White Perfection, Enchantress, \$20 per 1,000. White Enchantress, \$25 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Carnation Herald, field-grown plants, September delivery, \$15 per 100. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnation Princess Dagmar, \$12 per 100; \$100 per 1,000. Patten & Co., Tewksbury, Mass.

Carnations, chrysanthemums, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.**CHRYSANTHEMUMS.****STRICTLY FIRST-CLASS STOCK.**

PINK GEM, 2-in. pots, \$5 per 100; rooted cuttings, \$4 per 100.

DECEMBER GEM, 2-in. pots, \$4 per 100; \$30 per 1,000; rooted cuttings, \$3 per 100; \$25 per 1,000.

WHITE BONNAFFON, DONATELLO, YELLOW IVORY, GLORIA, ROMAN GOLD, PATTY, PACIFIC SUPREME, UNAKA, from 2-in. pots, \$3 per 100; \$25 per 1,000; rooted cuttings, \$2.50 per 100; \$20 per 1,000.

MRS. H. ROBINSON, 2-in. pots, \$3 per 100; \$25 per 1,000.

WHITE, HELEN FRICK, NAGOYA, rooted cuttings only, \$2.50 per 100; \$20 per 1,000. Also most of the exhibitions and present year's novelties in considerable quantity. Not less than 25 of a kind at 100, 250 of a kind at 1,000 rate. Those desiring less than 25 plants of a kind will be quoted on application. For type, color and flowering season refer to our 1913 catalogue.

ELMER D. SMITH & CO., ADRIAN, MICH.

CHRYSANTHEMUMS.**ROOTED CUTTINGS—READY NOW.**

\$1.50 per 100; \$12.50 per 1,000.

White.

Oct. Frost	Silver Wedding
Early Snow	Yanoma
C. Touse	Yellow.
F. Poehlmann	Monrovia
White Cloud	Halliday
Des Jonis	Appleton
Queen	Golden Wedding

MEMPHIS, TENN.

ROOTED POMPOMS.

	Per 100
Baby Margaret	\$1.75
Baby Yellow	1.75
Lulu	1.75
Quinola	1.75
Sonovia	1.75
Mrs. F. Beu	1.75

Cash with order or C. O. D.

JOS. SCHOOS,

519 Asbury Ave., Evanston, Ill.

Chrysanthemums, from 2½-in. pots at 2½c. Rosiere, Bergman, White Eaton. From 2½-in. pots at 3c. Chrysolora, the finest early yellow grown. We have a large stock. From sand at \$2 per 100; \$15 per 1,000. Rosiere, Bergman, Touse, Oct. Frost, Robinson, White Eaton, Yellow Eaton, Unaka, Minnie Bailly, Mary Foster. Chrysolora, the best early yellow at \$2.50 per 100; \$20 per 1,000. Joy Floral Co., Nashville, Tenn.

Chrysanthemums, rooted cuttings. Erie Floral Co., Erie, Pa.

HEADQUARTERS.**Chrysanthemums, Rooted Cuttings.**

	Per 100
White.	
Mrs. Chas. Razer	\$2.50
Lynwood Hall	2.00
Snow Queen	2.00
White Ivory	2.00

YELLOW.

Dolly Dimple	2.50
Col. Appleton	2.00
Halliday	2.00

PINK.

Rosette	2.00
Maud Dean	2.00
Dr. Enguehard	2.00
Pink Ivory	2.00

POMPOMS.

	Per 100
White.	
Diana	\$2.00
Baby Margaret	2.00
Lulu	2.00

YELLOW.

Baby	2.00
Quinola	2.00
Pretoria	2.00

PINK.

Ladysmith	2.00
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WIETOR BROS.,

162 N. Wabash Ave., Chicago.

Chrysanthemums, Alice Byron, Enguehard, Golden Glow, Jeanne Nonin, Bonnaffon, \$15 per 1,000. Maud Dean, Virginia Poehlmann, \$20 per 1,000. Shepard's Garden Carnation Co., 292 Fairmount St., Lowell, Mass.

Chrysanthemums, rooted cuttings and 2½-in. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, large flowering, pompons, single and anemone flowered; best vars., 2½-in., \$3 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

Chrysanthemums, Chrysolora and Chas. Razer, rooted cuttings in lots of 500 of a variety, \$20 per 1,000. A. N. Pierson Inc., Cromwell, Conn.

Chrysanthemums, all the money making varieties. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading varieties, \$3 per 100. Henry Smith, Florist, Grand Rapids, Mich.

Chrysanthemums, Nagoya, Major Bannaffon, Jeanne Nonin; rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Mums, R. C., Ic. Haenselman, Boulder, Colo.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus. Golden Bedder, Her Majesty, Verschaffeltii, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$4 per 100; \$35 per 1,000. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Coleus Verschaffeltii, Golden Queen, Golden Bedder, Beckwith's Gem, Firebrand, Lord Palmerston, 2½-in. pots, \$2.50 per 100; \$20 per 1,000. A. N. Pierson Inc., Cromwell, Conn.

Coleus. Verschaffeltii and G. Bedder, 60c per 100. The Erie Floral Co., Erie, Pa.

Coleus, \$5 per 1,000; Red, yellow and assorted; 4-inch stock plants, \$2.50 per 100. A. M. Herr, Lancaster, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEUM, finest strain in existence, including GLORY OF WANDSBEK, finest salmon-colored, orchid flowering, Rococo; strong transplanted seedlings, \$3.00 100; \$25.00 1,000. Cash, please.

Rober & Radke, Maywood, Ill.

Cyclamen, 3-in. pots, very finest strain, \$10 per 100. Julius Roehrs Co., Rutherford, N. J.

CYPERUS.

500 Cyperus alternifolius, large plants from 4-in. pots, \$6 per 100. Cash with order, ROSE HILL NURSERY, New Rochelle, N. Y.

DAHLIAS.

Dahlias, 2-in. pots, named sorts at 2c. Memphis Floral Co., Memphis, Tenn.

Dahlias, 2c. Haenselman, Boulder, Colo.

DAISIES.**VIGOROUS DAISY PLANTS.****IMMEDIATE SHIPMENT.**

Soleil d'Or, 2½-in.	\$4.00 per 100
Alexandra, 2½-in.	4.00 per 100
Mrs. Sander, 2½-in.	4.00 per 100
Mrs. Sander, 2½-in.	6.00 per 100

WEILAND & RISCH,

154 N. Wabash Ave., Chicago.
Daisy Mrs. F. Sander, 2-in., strong, 2c. Memphis Floral Co., Memphis, Tenn.

SHASTA DAISIES, strong transplanted field-grown plants, 60c per dozen, \$4 per 100. Cash please. W. A. Toole, Baraboo, Wis.

DRACAENAS.

Dracaena indivisa, 2-in., \$3 per 100; 3-in., \$5; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$6 per doz.; 8-in., 3 ft. high, \$1 to \$1.50 each. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracaenas, Linden and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz.; 7-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Chicago and New York.

Dracaena Ind., fine stock, big plants, 3-in., \$5; 4-in., \$8; 5-in., \$15 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Dracaena indivisa, 5-in., \$3 per doz.; \$25 per 100. Just right. C. C. Pollworth Co., Milwaukee, Wis.

Dracaena indivisa, 6-in., \$5 per doz.; \$40 per 100. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Dracaena massangeana, 6-in., \$1 to \$1.75 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracaena, 6-in., \$30 per 100; 5-in., \$25; 4-in., \$15. West Main Greenhouses, Corfu, N. Y.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Boston, 2½-in., \$3 per 100; \$30 per 1,000. Roosevelt, 2½-in., \$5 per 100; \$40 per 1,000. Whitman Compacta, 2½-in., \$5 per 100; \$40 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns for dishes, 2-in. assorted, to clean out, \$2.50 per 100; \$20 per 1,000. Transplanted seedlings, \$1 per 100; \$9 per 1,000. Rober & Radke, Maywood, Ill.

Table ferns, 10 vars., 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$6 per 100; \$55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

500 ferns, Pteris albo-lineata, 3½-in., \$8 per 100. Cash with order. ROSE HILL NURSERY, New Rochelle, N. Y.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Table ferns, 6 varieties, 2½-in., 2½c. Memphis Floral Co., Memphis, Tenn.

Ferns. Robbink & Atkins, Rutherford, N. J.

FIGUS.

Ficus pandurata, 6-in., \$3.50 each. Ficus elastica, 6-in., 75c to \$1 each. Poehlmann Bros. Co., Morton Grove, Ill.

FORGET-ME-NOTS.

A nice lot of hardy forget-me-nots in 4-in. pots, \$8 per 100. F. Kirchhoff, 4705 Milwaukee Ave., Chicago, Telephone Irving 13851.

GARDENIAS.

Gardenias, 2,000 fine stock plants from benches, \$10 per 100. Cash with order. ROSE HILL NURSERY, New Rochelle, N. Y.

Gardenia Veitchii, 2½-in., \$7 per 100; \$60 per 1,000; 3-in., \$12 per 100; \$100 per 1,000. A. N. Pierson Inc., Cromwell, Conn.

GERANIUMS.

Geraniums, S. A. Nutt, 4-in., \$7 per 100; 2½-in., \$3 per 100; \$25 per 1,000; other standard varieties, \$3 per 100. Rooted cuttings: S. A. Nutt and La Favorite, \$1.25 per 100; \$10 per 1,000; Poitevine, Perkins, Hill, Harrison and Redfield, \$1.50 per 100; \$12.50 per 1,000. Happy Thought and variegated Nutt, 2½-in., \$5 per 100. Rober & Radke, Maywood, Ill.

Geraniums, 4-in. pots, in bloom and bud, 2,000 S. A. Nutt, \$8 per 100. 1,000 Comtesse de Harcourt, \$8 per 100. 1,000 Beaute Poitevine, \$10 per 100. A. N. Pierson Inc., Cromwell, Conn.

Good strong 4-inch S. A. Nutt and Jean Viaud geraniums, for 8c. Cash with order, please. Leo Wellenreiter, Danvers, Ill.

50,000 S. A. NUTT.

FOR IMMEDIATE DELIVERY. Extra strong top cuttings, well rooted, \$10 per 1,000. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, 3½-inch Nutt, Grant and Lakeland, \$6.50 per 100; \$60 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Geraniums, R. C. Nutt and Poitevine, \$10 per 1,000. Ricard, \$12.50. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Mrs. Loyal (pansy geranium) 2½-in., 85c per doz.; \$6 per 100. Vaughan's Seed Store, Chicago and New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Geraniums, 2½-in., \$25 per 1,000. Cash with order. Frank Felke, 828 Ridge Ave., Wilmette, Ill. Telephone 1236.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, S. A. Nutt, 4-in., \$8 per 100; 3-in., \$4 per 100. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Geraniums, S. A. Nutt, 4-in., \$8 per 100. Nick Redding, 6731 Ridge Ave., Chicago.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, my selection, \$5 per 100. Jos. H. Cunningham, Delaware, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut-Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, buckeberry, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. Caldwell The Woodsman Co., Evergreen, Ala.

Huckleberry foliage, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. E. A. Beaven, Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

HELIOTROPE.

Heliotrope, centifolium, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

HOLLYHOCKS.

Hollyhocks, asst. colors, \$40 per 1,000. Hardy chrysanthemums, clumps, \$5 per 100; strong 2½-in. plants, \$3 per 100. Herbaceous perennials from 2½-in. pots. The New England Nurseries Co., Bedford, Mass.

DOUBLE HOLLYHOCKS, separate colors, Strong field plants, 500 for \$15; 1,000 for \$25. Jackson & Perkins Co., Newark, New York.

Hollyhocks, yellow, red, pink, white, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

HYDRANGEAS.

Hydrangeas in pots and tubs, \$1.50 to \$3.50 each; large specimens, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

Hydrangea Otaksa, specimens in half barrels, \$5 and \$7.50 each; 14-inch tubs, \$2 and \$3 each; smaller sizes, 50c and 75c. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangea Otaksa, white, pink and blue, from \$9 per doz. to \$24; smaller, \$6 per doz. Anton Schultheis, 316 19th St., College Point, L. I., N. Y.

Hydrangea Otaksa, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

Hydrangea, 50c to \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

ICE PLANTS.

Ice plants, 4-in. for hanging baskets, in bloom, \$10 per 100. C. C. Pollworth Co., Milwaukee, Wis.

IVIES

English ivy, 4 ft., 4-in. pots, \$15 per 100; 4½-in., \$20. Bobbink & Atkins, Rutherford, N. J.

English ivy, grown in 3½ and 4-in., \$10 and \$12 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

English ivy, 2½-in., \$3 per 100; \$25 per 1,000. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

English ivy, 5-in., 4 feet runners, \$2.50 per doz. C. C. Pollworth Co., Milwaukee, Wis.

English ivy, 2½-in., 2c. Memphis Floral Co., Memphis, Tenn.

German ivy, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

LANTANAS.

Lantanas, weeping, 2-in., 2c. bushy. Memphis Floral Co., Memphis, Tenn.

LAUREL.

Laurus cerasus bush, 35c to \$1 each; standards, \$7.50 to \$10 each; pyramids, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the Valley, cold storage. Order now for June weddings Bruns' Celebrated Chicago Market Brand, \$18 per 1,000; \$9.50 per 500; \$5 per 250. Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3040 W. Madison St., Chicago.

LOBELIAS.

Lobelia Speciosa, 2½-in., 2c. Memphis Floral Co., Memphis, Tenn.

MARGUERITES.

Marguerites, in bud and bloom. Mrs. Sander, 4½-in., \$10.00 100; California, single and large flowering, 2-in., \$2.00; 3-in., \$4.00; 4½-in., \$8.00 100. Cash, please.

Robber & Radke, Maywood, Ill.

Marguerites, Mrs. E. Sanders and Queen Alexandra, 2½-in., 80c per doz.; \$4 per 100. Vaughan's Seed Store, Chicago and New York.

MOONVINES.

Moonvines, large flowering, 2½-in., 4c. Gus. Schlegel, Olney, Ill.

Moonvines, grandiflora, strong 2½-inch to close, \$3 per 100; \$25 per 1,000. Cash. Wonseller Greenhouses, Bryan, O.

MOSS.

Green sheet moss, 1 bale (5 bundles) \$1.25; 5 bales (25 bundles), \$6. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

Sphagnum moss, 10 burlap bales, \$12.50; 10 wired bales (large) \$11. Write for prices on 25 to 100 bales or carload lots. Vaughan's Seed Store, Chicago.

Moss, surplus of 12 barrel bale New Jersey moss, delivered anywhere in Chicago, \$5 per bale, 2 or more bales, \$4.75 bale. Klehm's Nurseries, Arlington Heights, Ill.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Evergreen hedges and hardy phlox. Adolf Mullett, Norristown, Pa.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PALMS.

Cycas, from 1 to 10 lbs., up to 50 lbs., 10c per lb.; 50 to 100 lbs., 9c per lb.; 100 lbs. and up, 8c per lb.; 500 lbs. and up, 7½c per lb. Vaughan's Seed Store, Chicago and New York.

Palms, Areca lutescens, 8-in. tubs, \$2.50 each; 5-in., 35c each; 4-in., 25c each. Kentia Forsteriana, 4-in., 35c. Memphis Floral Co., Memphis, Tenn.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Kentia Forsteriana and Belmoreana, all sizes from 4 to 12-in., tubs, 35c to \$15. Poehlmann Bros. Co., Morton Grove, Ill.

Phoenix Canariensis, fine large plants, \$7.50 to \$35 each. Julius Roehrs Co., Rutherford, N. J.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANDANUS.

Pandanus Veitchii, 5-in., 75c each; 6-in., \$1.25; 7-in., \$2. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus Veitchii, \$1 each. Jos. H. Cunningham, Delaware, O.

PANSIES

Strong, stocky, fall Pansy Plants; large flowering, 50c per 100; \$4 per 1,000. Cash with order. Gus. Schlegel, Olney, Ill.

Pansies, field-grown, \$1.25 per 100; \$10 per 1,000. Leonard Cousins, Jr., Concord Junction, Mass.

Pansies, Romeo Prize Winners, bud and bloom, \$1.25 per 100; \$10 per 1,000. C. Humfeld, Clay Center, Kans.

PEONIES.

PEONIES.

"PEONIES FOR PLEASURE."

This book of "Peonies for Pleasure" gives information on peony history, soil and plants to use; how and when to plant; fertilizers and how to apply; and describes the most extensive planting of really valuable peonies ever gathered together under the sun; describes the old and new as well as plebeian and aristocrat of the peony family. If you want information on the plant that stands next to the rose in beauty, that is practically known to the amateurs simply as a red, white and pink peony, then send for "Peonies for Pleasure." We also issue a special wholesale price list of peonies for fall sales, 1913. Send for both of the books. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World.

Box 18, Springfield, Ohio.

PETUNIAS.

Petunias, single ruffled giants, 2-in. strong, bushy, 3c. Memphis Floral Co., Memphis, Tenn.

PRIMULAS.

Primula obconica grand., 2½-in., \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Primroses, \$2 per 100. Jos. H. Cunningham, Delaware, O.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

PRIVET.

CALIFORNIA PRIVET, well branched, 12 to 18 ins. at \$10 per 1,000; 18 to 24 ins. at \$15 per 1,000. Jackson & Perkins Co., Newark, New York.

POINSETTIAS.

Poinsettias, June and July delivery, \$7 per 100; \$60 per 1,000. A. N. Pierson Inc., Cromwell, Conn.

ROSES.

Roses, Milady and Mrs. Geo. Sawyer, grafted, \$30 per 100; \$250 per 1,000. Mrs. Chas. Russell, grafted, \$35 per 100; \$300 per 1,000. Mrs. Taft, Mrs. Aaron Ward, Richmond, Killarney, White Killarney, Lady Hillingdon, Radiance, Bon Silence, Bride, Golden Gate, grafted, \$15 per 100; \$120 per 1,000. Special offer on own roots in lots of 500 or more: Mrs. Taft, Richmond, Lady Hillingdon, Killarney, White Killarney, 500 for \$20; 1,000 for \$37.50. Bedding roses from 5-inch pots: Climbing roses, polyanthas, hybrid teas and hybrid perpetuals. Killarney, White Killarney, Mrs. Aaron Ward, Mme. Jules Grolez, Caroline Testout, Kaiserlin, Gruss an Teplitz and Mrs. Taft, \$30 per 100 in lots of 25 or more of a variety. A. N. Pierson, Inc., Cromwell, Conn.

CHOICE ROSE PLANTS.

	Per 100	Per 1,000
Fine 2½-in. stock.	100	
American Beauties	\$ 5.50	\$ 50.00
Richmond	3.50	30.00
Pink Killarney	4.50	40.00
White Killarney	4.50	40.00
My Maryland	4.00	35.00
Sunburst	12.00	100.00

WEITOR BROS.

162 North Wabash Ave., Chicago.

ROSE PLANTS, 2½-INCH POTS.

	Per 100	Per 1,000
My Maryland	\$3.50	\$30.00
Pink Killarney	3.50	30.00
Richmond	3.50	30.00
ONE-YEAR-OLD BENCH PLANTS		
Pink and White Killarney	\$3.50	\$30.00
Beauties	3.50	30.00

GEO. REINBERG,

162 North Wabash Ave., Chicago.

Roses, grafted, Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$10 per 100; \$100 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95 per 1,000 in 100,000 lots. Killarney Queen, \$15 per 100; \$120 per 1,000. Own root: Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$8 per 100; \$55 per 1,000. Richmond, 2½-in., \$5 per 100; \$45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

VIGOROUS ROSE PLANTS.

IMMEDIATE SHIPMENT.

	Per 100	2½-in.	2½-in.
Mrs. Taft (Bulgarie)	\$4.00	\$4.00	\$5.00

WEILAND & RISCH.

154 N. Wabash Ave., Chicago.

Roses, 2½-inch pots: Prince de Bulgarie, \$8 per 100; \$50 per 1,000. Richmond, \$5 per 100; \$40 per 1,000. Killarney, \$4 per 100; \$35 per 1,000. Madison, \$5 per 100. J. A. Budlong, 82 East Randolph St., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Roses, 10,000. Pink and White Killarney, 3-in. grafted, \$15 per 100; \$145 per 1,000; 700 grafted Kaiserin, same price. Own roots: 1,800 White Killarney, 3,800 Pink Killarney, 500 Kaiserin, 1,800 Richmond, 2½-in. pots, \$5 per 100; \$45 per 1,000. 1,700 Perles, \$5 per 100; \$45 per 1,000. J. L. Dillon, Bloomsburg, Pa.

ROSE PLANTS.

	Per 100	Per 1,000
1,275 My Maryland, 3-inch pots..	\$4.00	\$35.00
600 My Maryland, 2-inch pots..	3.50	30.00
200 Melody, 2-inch pots.....	3.50	30.00

SINNER BROS.,

56 E. Randolph St., Chicago.

Roses, Mrs. George Shawyer and Milady, own root, 3-in., \$30 per 100; \$250 per 1,000. Pink and White Killarney, Richmond, Taft, My Maryland, Am. Beauty, 3-in., own root, \$16 per 100. Chas. H. Totty, Madison, N. J.

2,000 Kaiserin Augusta Victoria roses, strong plants, 4-inch pots, \$10 per 100; 2,000 3½-inch pots, \$8 per 100. All on their own roots. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

ROSES, strong, young plants, for growing on. Send for list including Excelsa, new Red Dorothy Perkins, \$4 per 100; \$30 per 1,000. THE CONARD & JONES COMPANY, West Grove, Pa.

Roses, potted. For varieties and sizes see page advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Roses, good, clean stock, 3½-in. pots. Pink and White Killarney, Perle, Kaiserin, \$6 per 100; \$50 per 1,000. Killarney Queen, \$12 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses, in bloom, Dorothy Perkins, Mrs. Flight, Lady Godiva, \$9 to \$24 per doz. Adon Schulteis, 316 19th St., College Point, L. I., N. Y.

Roses, grafted, 3-in. pots, \$10 per 100; Kaiserin, White Killarney and Killarney. W. W. Coles, Kokomo, Ind.

ROSES, My Maryland, 2½-in., strong, 2½c. Marechal Niel, 2-in., strong, 3c. Memphis Floral Co., Memphis, Tenn.

5,000 American Beauty Bench Plants, \$5 per 100; \$40 per 1,000. WIETOR BROS., 162 North Wabash Ave., Chicago.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Leedie Floral Co., Springfield, O.

Rose plants, Kaiserin and My Maryland, 3-in. pots, \$6 per 100. Henry Smith, Florist, Grand Rapids, Mich.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SALVIAS.

Salvia Splendens and Bonfire, 60c per 100; \$5 per 1,000. Dracaena indivisa, 2-in., \$2 per 100. Geraniums, 2-in., \$1.85 per 100. Cobea Scandens, 2-in., \$3 per 100. Marguerite, Mrs. F. Sander, 2-in., \$2 per 100. Double Alyssum, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

Salvias, Schenley, Ball of Fire, Bonfire, King of the Carpet, Splendens, Zurich, 2½-in. pots, \$2.50 per 100; \$20 per 1,000. A. N. Pierson Inc., Cromwell, Conn.

SALVIA BONFIRE, 2½-in., good plants, 2½c. Cash with order. Gus. Schlegel, Olney, Ill.

Salvias, 3-in., \$5 per 100. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Salvias, \$2.50 per 100. Jos. H. Cunningham, Delaware, O.

SEEDS.

Seeds, beans, beets, cabbage, carrots, Kohlrabi, leek, lettuce, onions, peas, radishes, spinach, turnips, Swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

Seeds, cauliflower, white Tripoli onion, (crystal wax) and all other vegetable and flower seeds. Dammann & Co., San Giovanni a Teuccio near Naples, Italy.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Sons, Ltd., Boston, England.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, pansy. Fred Roemer, Quedlinburg, Germany.

Seeds, onions, lettuce, carrot, radish. Bransan Seed Growers Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds, novelty flower seeds, bulbs and plants. Francesco Bulleri, Seafati, Near Pompeii, Italy.

SMILAX.

Smilax, 2½-in., \$2.50 per 100; \$22 per 1,000; 3-in., \$6 per 100; \$50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, 2-inch, 2c. Memphis Floral Co., Memphis, Tenn.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons. Ramburg's famous silver pink, rooted cuttings, \$2 per 100; extra strong 2½-in., \$3.50 per 100. Addams, Morgan & Co., Paxton, Ill.

SWEET WILLIAMS.

SWEET WILLIAMS, extra strong transplanted field-grown sweet williams, mixed or six colors, \$3 per 100; \$25 per 1,000. Cash please. W. A. Toole, Baraboo, Wis.

TRUMPET VINES.

Trumpet Vine—Bignonia radicans grandiflora, strong, 4-year-old dormant stock, \$7.50 per 100; 3-year-old, \$5 per 100. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

UMBRELLA PLANTS.

Umbrella plants, ready to shift, 2½-inch, \$3 per 100. Poehlmann Bros. Co., Plant Department, Morton Grove, Ill.

VEGETABLE PLANTS.

Vegetable plants: Cabbage, Wakefield, Succession, Early and Late, Flat Dutch, Surehead, All Head, Danish Ball Head, etc., 20c per 100; 500 for 75c; \$1 per 1,000; 10,000 and over, 85c per 1,000. Lettuce: Grand Rapids, Big Boston, Boston Market and Tennis Ball, 20c per 100; 500 for 75c; \$1 per 1,000. Beet: Eclipse, Crosby, Egyptian, 25c per 100; 500 for \$1; \$1.25 per 1,000. Celery plants: Golden Self-Blanching, 40c per 100; \$2.50 per 1,000. Tomato plants. R. Vincent, Jr. & Sons Co., White Marsh, Md.

CABBAGE: Jersey Wakefield, All Season, Wimmagstadt, \$1 per 1,000. TOMATOES: Earliana, Chalk's Jewel, Stone, Ponderosa, Dwarf Stone, \$2 per 1,000. CAULIFLOWER: Snowball, \$3 per 1,000; transplanted, \$5 per 1,000. PEPPERS: Ruby King, Chinese Grant, Golden Dawn, \$3 per 1,000; transplanted, \$5 per 1,000. Strong, thrifty plants, packed with wet moss. Special prices on large quantities. N. O. McDAMS, Columbus Grove, O.

300,000 extra fine strong tomato plants, \$2 per 1,000. Early and Late Cabbage, extra short, stocky, \$1.50 per 1,000. Yellow Jersey, Red Bermuda sweet potato plants, \$2 per 1,000; ready now. Cash. Mrs. Edw. Hayden, Greenview, Ill.

For Sale.—Strong pieplant divisions, Linnæus and Victoria, \$4 per 100; \$25 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VERBENAS.

Lemon verbenas, 2-inch, 3 cents; 3-inch, 6 cents. Rober & Radke, Maywood, Ill.

Lemon Verbenas, 2-in., 2c, strong plants. Memphis Floral Co., Memphis, Tenn.

VINCAS.

VINCA VARIEGATA, rooted cuttings, 60c per 100; \$5 per 1,000. Cash with order. MEMPHIS FLORAL CO., Memphis, Tenn.

Vinca Var., grown in 3½ and 4-in., \$10 and \$12 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

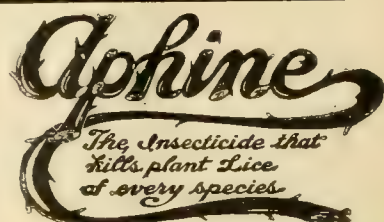
Fine stock of Vinca major or grave myrtle, 2½-in. pots, \$3 per 100; \$30 per 1,000; 4-in. pots, \$10 per 100. F. Kirchhoff, 4705 Milwaukee Ave., Chicago, Tel. Irving 13851.

15,000 Vinca Variegata, all grown at edge of benches, 3-in., \$6 per 100; 3½-in., \$8 per 100; 4-in., \$12.50 per 100. Cash please. Harry Heint, West Toledo, O.

Vinca Var., 2-in., \$2 per 100; \$18 per 1,000; 3-in., \$5 per 100. C. Humfeld, Clay Center, Kans.

Vincas, 2½-in., \$3 per 100; \$25 per 1,000. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Vinca Variegata, 4-in., \$10 per 100. Jos. H. Cunningham, Delaware, O.



The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Unlike Bordeaux and lime and sulphur it does not stain the foliage, but cleanses it.

75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and vermicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used 1 part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals.

Madison, N. J.

M. C. Ebel, General Manager.

SIEBERT'S ZINC

Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, ¾ and 1, 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade

RANDOLPH & McCLEMENTS, Florists,
5936 Penn Ave., near Highland, Pittsburgh, Pa

Vinca variegata, 4-inch, 12½ cents each. Rober & Radke, Maywood, Ill.

Vinca var., 2-in., 2c; 3-in., 5c. Geo. M. Emmans, Newton, N. J.

VIOLETS.

50,000 Marie Louise Double Violet plants; these are well rooted in sand at \$15 per 1,000; 20,000 in 2½-inch pots at \$20 per 1,000. J. Vonder Linden, Rhinebeck, N. Y.

CARNATION STAPLES.

SUPERIOR CARNATION STAPLES.

Mend your split carnations. Finest article for carnation growers introduced so far, 50c for 1,000, postage paid.

MICHIGAN CUT-FLOWER EXCHANGE, Detroit, Mich. 38-40 Broadway.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

MISCELLANEOUS.

"Elastic-Lyke," that good putty (semi-liquid). The Elastic-Lyke Co., (not inc.) 30 E. Randolph St., Chicago.

Threads, all kinds (Green Silkline). John C. Meyer Thread Co., Lowell, Mass.

Cedar plant tubs. Write for prices. Patton Wooden Ware Co., Seattle, Wash.

Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Iron reservoir vases and lawn settees. McDonald Bros., Columbus, O.

Red pots, standard, azalea, pans. Harley Pottery Co., Nashville, Tenn.

PRINTING.

Special Florists' Printing. Sample free. Oscar Fink, Pottstown, Pa.

STAKES.

Cane Stakes, Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

A Red Buggy— How It Suggests Hard Working Vent. Apparatus

WELL do I remember a red wheeled "buggy" that Dad gave me when I first started to "go with the girls."

The first thing he told me was: "Be sure to grease it often." It seemed to me that most of the time I had those wheels jacked up, wiping off the axles and greasing them. It was a nuisance—a most unpleasant job.

On buying my own carriage, you can depend on it, I saw that it was a rubber tired, ball bearing one that you only had to pack the grease cups once a season and then forget them.

Every time I go into a recently erected greenhouse and see those old fashioned gears that you have to



climb a greased pole to grease; it makes me think of that red buggy.

Just why a man won't spend, just a little bit more and get our self-oiling, neat, easy working gear, is hard to understand.

You fill the top reservoir with oil once every year or two and it will always run "slick as grease."

Perhaps you don't know all you ought to know about this Hitchings' gear.

Send for our Supply Book. You will find it fully illustrated and described, both inside and out.

If this red buggy talk hasn't stirred up your interest—that Supply Book surely will.

Hitchings and Company

New York Office,
1170 Broadway.

Factory, Elizabeth, N. J.

Philadelphia Office,
1505 Chestnut St.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

GREENHOUSE PLANS AND ESTIMATES

Submitted free to prospective builders upon request. We now manufacture everything for the greenhouse, including the woodwork, so we can figure with you on the entire structure.

GEO. M. GARLAND CO.

G. E. WHITNEY, Trustee.

Des Plaines, - - - Ill

ANTI-KLOG

"THE SPRAYER OF MANY USES."

Used in the greenhouse for shading the glass—for killing plant pests—and for whitewashing. Sold by dealers and seed stores everywhere. An illustrated catalog free.

ILLINOIS METALS COMPANY,

2440 West 22nd Street, Chicago.

Western Representatives:

McDonald Sales Co., San Francisco, Calif.

OVER 5,000 FLORISTS ARE USING RED DEVIL GLASS CUTTERS



YOU need a Glass Cutter to cut your greenhouse glass, why not use the Best: Genuine "RED DEVIL," the kind all good glaziers use. Your local hardware store sells them. Just insist on

"It's all in the wheel"

"Red Devil" Glass Cutter No. 024.

Genuine "Red Devil" and take no substitute. We have given away nearly 3000 samples to florists. If you did not get one send us this adv. and 3-2c stamps and one sample only of the best

Glass Cutter in the world will be sent you postpaid.
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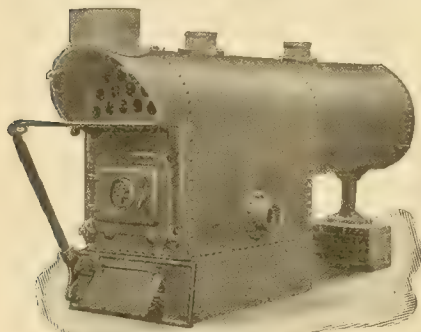
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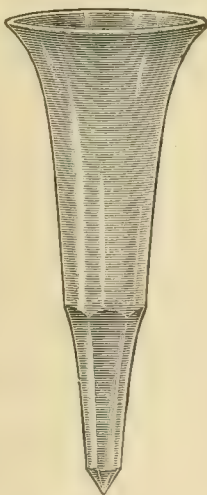
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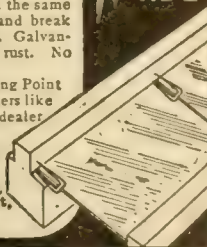
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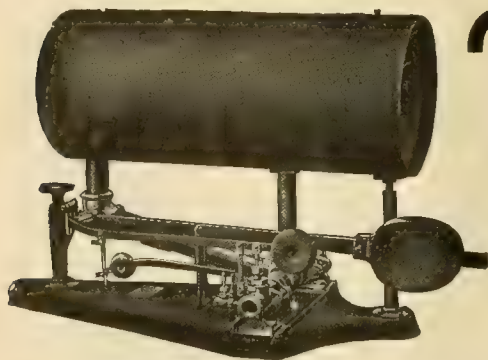
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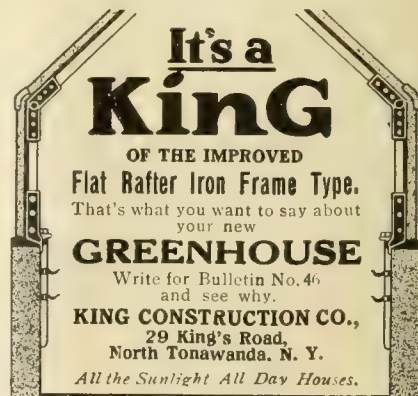
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Vol. XL

CHICAGO AND NEW YORK, MAY 31, 1913.

No. 1304

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada, \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August 3, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

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Seventh annual convention, Nashville, Tenn.,
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Tenn., President; W. F. HUTCHINSON, Sewickley,
Pa., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Peonies.

The work on these plants is not fin-
ished by any means when the blooms
are cut, for they must be taken care
of to insure a good crop for another
year. Where the plants are grown in
rows the constant traveling has packed
the soil down hard and the ground
should be given a good cultivation in
order to lighten it up. The weeds
should be kept down all summer and
not allowed to rob the soil of its rich-
ness. If the plants were severely cut
in harvesting the bloom, so that there
is not much foliage left on the plant,
it is well to spread a mulch of strawy
manure on the surface. This is often
the case with the officinalis varieties
which do not make the heavy growth
of the later varieties, and as it is
natural for the roots of the peonies
to have the shade of the heavy foliage
of the plants during the summer, the
cutting of the stems and foliage of
these varieties robs the roots of this,
and a mulch that will protect the
ground from the hot summer sun is
very beneficial and will also reduce
the labor of weeding. Any old blooms
left on the plant should be cut and
thrown away. Plants that have be-
come broken down by high winds or
heavy rains should be tied up in
shape.

Small Ferns.

The fern spores that were sown in
late winter should now be in condi-
tion to transplant into flats. It will
be difficult to separate the plants yet
into individual specimens, but little
clumps can be lifted with a toothpick
and planted in flats about an inch
apart. The flats or boxes should not
be deep; about an inch and a half of
soil is sufficient. The soil should be
composed of two parts live loam and
one part leaf mold, with a generous
sprinkling of sand and sifted through
a fine sieve. The flats should be
placed in a moist house that is well
shaded, and the walks kept well wet
down all through the hot weather. If
a nice warm moist temperature is
maintained, the plants themselves
will not require much watering, only
light sprinklings, and they will very

rapidly root into the new soil and
send forth their fronds. If the grower
has not grown his own ferns, it is a
good time now to place an order for
them with the fern specialists, for
they can be purchased at very low
prices and they are very easily grown
on, and where there are many fern
dishes to be filled in the fall, the dif-
ference in cost of the young plants
lifted from the flats in midsummer
and those purchased out of small pots
in the fall is considerable; plants that
will cost three and four dollars a hun-
dred at that time can now be ob-
tained for one-third of that amount,
and a thousand or more of this small
stock does not take up much space
and will be disposed of before the
bench room is needed in winter.

Solanums.

These little Christmas plants should
not be allowed to stand around in the
hot greenhouses badly pot bound and
drying up every day, for they will
grow hard and it cannot be expected
to obtain a good plant under these
conditions. They will stand lots of
abuse and do fairly well, and that is
the reason probably that they are so
often neglected during these busy days.
But it is much better to plant them
out in the field than to carry them
along in this condition. They can be
easily handled in this manner, lifting
them early in the fall. They will need
to be kept pinched back into shape—
any strong leading shoots should be
cut back when they are soft. They
can be planted fairly close together
and will need frequent cultivation. If
there is no suitable outside location
where they can be planted out they
can be plunged in a frame and potted
up as it becomes necessary, but out-
side treatment of some kind is far
preferable to the greenhouse, which is
too warm, unless shaded, and they
make better growth and bloom more
freely in the bright sunlight.

Primulas.

The young primulas that were sown
early should now be in 3-inch pots and
be given as cool and airy a location
as possible. To get the best growth

on these plants, they should never be subjected to great heat, for the species are naturally a cool growing plant on the edges of the woodland in their native state. Outside in a frame with a lath covering is the best place that they can be grown, the pots sunk in the soil even to the rim. In potting these plants, they should be placed in the soil deep enough for them to stand firmly; they will not stand deep potting, but many growers do not pot them deep enough, and they frequently get turned over sideways during the watering. They must be watered carefully and preferably with a can with a fine rose. The later sowings will have to be carried on in the houses until they are large enough to be placed outside. They will have to be shaded, but do not shade them heavily enough to cause them to get drawn.

Cinerarias.

The sowing of cinerarias is better done in June than later. Many postpone this until July, but during the extremely hot days of that month it is often difficult to obtain good germination, and the seed pans or boxes will have to be watched carefully or they will become dry and the young seedlings burn off. The soil should be well shaded until the young seedlings show themselves, when the shade should be made lighter. As soon as the plants have one or two well defined leaves, they should be potted in small pots and given a nice airy position near the glass, which should be shaded, but care should be taken that the young stock does not get drawn. Always bear in mind that the one thing in growing cinerarias to be on the watch for is the aphid. These insects quickly infest these plants and rapidly suck the life out of them. Constant fumigation will keep them in check, but if not attended to regularly it will be time and money thrown away to attempt their culture. Cineraria hybrids is the variety most grown, and these are obtainable in some elegant strains with large high-colored flowers. The cineraria stellata is a much larger and more rapid growing plant which is very showy, but is not so well adapted for house culture when in flower.

Larkspur.

Larkspur or "poison weed" is treated of in a recent bulletin of the Department of Agriculture, in which it is pointed out that many losses are suffered each year by western ranchmen by reason of the stock eating the weed. There are two groups of these larkspurs on the ranges, the tall and the low varieties. The low larkspurs prefer the hills and rather dry ground, while the tall kinds grow in the gulches and canyons. Among the tall species are Delphinium barbeye and D. cucullatum. The tall larkspur is easily distinguished after it blossoms, but in the early stages is often confused with the geranium and aconite. Of the low larkspurs D. nelsoni is a type. It grows in considerable abundance in Wyoming, Colorado, New Mexico and Utah. The root is short and tuberous and the plant never exceeds a foot in height. The blossoms are a violet blue. They appear, arranged in a loose raceme, in May.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

The Colonial Bouquet.

SEE SUPPLEMENT WITH THIS ISSUE

The 'old-fashioned Colonial bouquet has made quite a hit the past winter. It was used as a special leader the year before by a few of the trade who thereby gained prestige and at the same time accumulated money, as there was a good demand for this class of work at high prices. The past season the demand has become general all over the country, and the variety of flowers used in their construction is as varied as the prices at which they are sold. To get the close formal effect each flower must be stemmed separately and must be without stems or foliage. Anything that is fresh can be used and the color schemes are limited only by the flowers at hand.

In the accompanying supplement one bouquet contains, as a center, a pink rose, around which is a row of white peas. Next is one of pink roses in different shades, enclosed in a fringe of lilies of the valley. The whole is finished with an ordinary white scalloped bouquet paper, tied with broad and narrow white and pink ribbon. Another has a chrysanthemum flower for the center, with rows of roses, daisies and a border of snapdragons. A cluster of Hillingdon roses, a double row of Mrs. Aaron Ward, and a liberal fringe of lily of the valley make another. This in addition to the bouquet paper has a double layer of dotted chiffon which is sewed lightly to the paper, and adds a soft and pretty finish. The addition of the narrow ribbons of a different color and tied with a few of the same flowers as are used in the

bunch is sure to receive commendation.

The miniature colonial bouquet made to sell in quantities for fifty cents, and even as low as twenty-five cents each, has had quite a run, taking the place of the artificial nosegay. These are made with one rose as a center and single florets of sweet peas around, or a carnation with a few violets. A carnation is broken up and wired and used around a rose, and so on ad libitum. A tiny bouquet paper in miniature only three inches in diameter is used for these bay bunches. Narrow baby ribbon is sometimes used to give an extra touch.

K.

Retarding Peony Blooms.

The Horticultural Society of Chicago has issued the following instructions for intending exhibitors of peony blooms.

The peony is undoubtedly the most gorgeously beautiful of all our hardy flowers, and the ease with which it may be cultivated, and the fact that it is under any reasonable condition sure to produce a fine crop of blooms every year after it is established, make it deservedly a great favorite. Its only drawback is its habit of opening all its blooms nearly at the same time, giving a great surplus of flowers for a few days and none afterwards. It is not generally known that the blooming of peony buds can be very easily delayed for from several days to several weeks, depending on the variety and the method of treatment.

To delay the opening of the blooms for a few days, they are cut when the petals are just loosening, but when none of them have turned back. All the leaves are removed, except a few of the upper ones, sufficient to give the flower a proper setting of green. They are then wrapped somewhat snugly—



CINERARIA HYBRIDA.

EASTON, PA.—The flower store of Chas. Buening was entered by a burglar in the night May 15 and about \$40 taken from the cash register.

one dozen or less in a bunch—in two thicknesses of damp (not wet) newspapers, leaving the lower four or five inches of the stems uncovered. The bundles of blooms so wrapped are placed in jars of water so that the lower one-third of the stems are submerged, and placed in a cold, dark location. A cool cellar is an ideal place. In this condition they will keep up to a week without opening, but will open very quickly when unwrapped and brought into the light and warmth.

If it is desired to retard them a longer time, they are cut earlier, while showing full color but before any of the petals have loosened at all, and treated in the same way. The tighter the bud is when cut, the longer it will keep. Some few varieties can be retarded only a few days in this way without being injured, while others can be held back for a very long time. The professional peony grower, after preparing the blooms as described, will place them in cold storage warehouses, where the temperature is kept very low and perfectly even, and will hold them there for six or more weeks in the case of some varieties. There are probably a million or more peonies stored in this manner every season by florists in Chicago. Where the advantages of artificially cooled storage with an absolutely even temperature can not be had it is probably not advisable to attempt retarding the blooms over two weeks in this way, while some varieties can be held only a very few days.

The Horticultural Society of Chicago will hold a grand peony exhibit at the Art Institute about June 12, depending on the earliness or lateness of the blooming of these flowers. Florists and expert growers from all over the country will compete in the open classes, while most liberal premiums and medals are offered in special classes for the amateur growers. It is hoped that all amateurs who love the peony and who grow even a few plants will send one vase or more of flowers to the show. These instructions are given out by the society so that those varieties blooming too early for the show may be held back. Premium lists and full information may be had by addressing R. J. Haight, Secretary, Rand-McNally building, Clark and Harrison streets.

The Saffron Plant.

The saffron plant (*Crocus sativus*), belonging to the same family as the common garden crocus (*Crocus vernus*), has been known and valued since earliest historical times for at least some of the many useful qualities which make of it an important article of commerce to-day. The origin of its name is the Persian word "zafaran," to which the Arabians added the prefix "al," which was adopted in the eighth century by the Spanish as "Alzafaran," and has since been modified to the present form of "Azafraan," and in English and other languages to obvious derivatives of the same origin. It is believed that saffron originated in Asia, whence it was brought to Europe long before the Christian era.

It is a bulbous, iridaceous plant having blue flowers with large yellow stigmas. These stigmas, with part of the style, are dried or toasted by fire in a species of sieve, and the pungent aromatic result is the saffron of com-

merce. It is used in large quantities in some countries in cookery, and in all to more or less extent for coloring confectionery, wines, liquors, cheeses, varnishes, etc., though its former wide employment in medicine and as a dye has much decreased in recent years.

Trees and Shrubs in May.

The horsechestnut (*Aesculus hippocastanum*) growing naturally in a restricted area has the power of flourishing and reproducing itself in regions with climates as unlike as those of eastern New England and western Scotland. The home of this tree among the mountains of northern Greece is of such limited extent that, although the horsechestnut has been cultivated in Europe for more than three centuries, it is only in comparatively recent years that the wild tree has been discovered. The Grecian horsechestnut is one of the noblest of the exotic trees cultivated in the United States, but for the development of its greatest beauty it requires deep, rich, moist soil and abundant space for the spread of its branches. Few other trees suffer more from smoke, dust, and the other unnatural conditions of city life. There are a number of forms in cultivation but none of them equal the typical tree in beauty. One of the best known of these abnormal forms is the variety with double flowers (var. *Baumannii*, or *flore pleno*). This form flowers later than the single-flowered tree and the flowers last a long time in good condition. There are varieties with erect branches (var. *pyramidalis*) and with erect and spreading branches forming a round-topped tree (var. *umbraculifera*); and there are varieties with variously incised leaflets (var. *incisa* and var. *laciniata*), and with leaves blotched with yellow (var. *variegata*), but these are all horticultural curiosities and of no interest to the general planter.

The so-called red-flowered horsechestnut, which appeared in Europe many years ago, although its origin is not entirely clear, is probably a hybrid of the common horsechestnut with the red-flowered *A. Pavia* of the southeastern United States. The right name of this tree is *A. carnea*, although it is often found in nurseries under the name of *A. rubicunda*. It has the general habit and appearance of the common horsechestnut, but it is a smaller tree and blooms later, and the flowers on different individuals vary from red to pale rose color. The handsomest form (var. *Briotii*) has deep red flowers and is one of the most ornamental of the arborescent horsechestnuts. The Japanese horsechestnut (*A. turbinata*) is rather closely related to the Grecian tree and resembles it in general appearance, although the flowers are less showy. In its native country this is a large and handsome tree, and it promises to be a valuable ornamental tree here. The largest specimen in the United States is in Rochester, New York, where the Japanese horsechestnut has flowered and produced large crops of seeds for several years. The Himalayan horsechestnut, the species from central China discovered by Wilson, and the California species are not hardy here, and the north China horsechestnut is not yet established in the Arboretum.

Southeastern North America is the real home of the horsechestnuts,

judging by the multiplication of species in that part of the world where a number of interesting and valuable new forms have recently been discovered. The earliest of the American species to flower is the so-called Ohio buckeye, *A. glabra*, which has now been in bloom for ten days. This is a small tree with pale flowers, fruit like that of the Grecian tree covered with prickles and dark bark exfoliating in thin flakes. There is a tree of the Ohio buckeye in the horsechestnut group on the Meadow road, but the largest specimen in the Arboretum is on the left-hand side of the South street entrance. A form of this tree with usually seven instead of five leaflets (var. *Buckleyi*) is not otherwise different from the common form and flowers with it in the rear of the horsechestnut group. Near this is another form of this tree (var. *leucodermis*) from southern Missouri and Arkansas, with pale bark which blooms about two weeks later than the type and is just coming into flower.

The other yellow-flowered arborescent horsechestnut of the eastern states (*A. octandra*) differs from the Ohio buckeye in the absence of prickles from the fruit. It is a larger tree, growing sometimes on the slopes of the southern Appalachian Mountains to the height of eighty feet, and blooms a week or ten days later. This is a valuable ornamental tree which is now rarely found in collections. The other arborescent species of the southern states, the red-flowered *A. Pavia*, is not yet established in the Arboretum, although some garden forms of this tree (var. *atrosanguinea* and var. *Whitleyi*), flower here freely.

From a race of hybrids between *A. octandra* and *A. Pavia* some valuable garden plants have been obtained. This hybrid appeared in Paris at the beginning of the last century and the correct name for it is *A. hybrida*, although in recent European publications it is sometimes called *A. versicolor*. The flowers are of different shades of red, and individuals differ in foliage, in the size and color of the flowers, and in their time of opening. There are two large bushy specimens of this hybrid quite different from each other in appearance in front of the horsechestnut group and next to *A. glabra* on the Meadow Road, and other forms can be found in the rear of this group. Of recently described species from the southeastern states only *A. georgiana* from central Georgia will flower this year. This is a broad, round-topped shrub, growing sometimes to the height of five or six feet, with large red and yellow flowers in long compact clusters, and a plant of much promise as a garden ornament. A large bed of this shrub will be found on the path in the rear of the horsechestnut group and opposite the mass of *A. parviflora*. This well known shrub is the last of the horsechestnuts to flower and its tall narrow spikes of white flowers will not open before midsummer. Near this bed are beds of young plants of the yellow-flowered *A. arguta*, a small shrub from eastern Texas, and of the beautiful red-flowered shrub or small tree from the southern and southwestern states usually called *A. austrina*. Much attention has been paid to the formation of the Arboretum collection of horsechestnuts and it will well repay the attention of persons interested in a beautiful genus of now

too little known trees and shrubs well suited for the decoration of northern parks and gardens.

Among the American magnolias in the group on the right-hand side of the Jamaica Plain entrance *M. Fraseri* is already opening its large cream-colored flowers which are conspicuous on the ends of the branches. This small tree is a native of the southern Appalachian Mountains and is perfectly hardy in the Arboretum. The small, bright canary yellow flowers of *M. cordata* open almost at the same time. This magnolia was sent from the United States to France more than a hundred years ago and is now only known in the descendants of the trees cultivated in France, all attempts to find the wild trees in recent years having proved unsuccessful. This is a shapely, desirable and perfectly hardy ornamental tree. The leaves are dark rich green; the abundant flowers are of an unusual color for those of a magnolia, and the second crop of flowers which these trees usually produce in summer adds to its value. The cultivated trees produce no seeds, and as it can only be propagated by grafting *Magnolia cordata* is rare in collections.

Some of the most beautiful and interesting shrubs now in flower will be found among the bush honeysuckles. The decorative value of some of these can best be seen in the grass border by the Bussey Hill Road, opposite the lilac group, where several of these shrubs have been so planted that they have abundant space for full development and can show all their beauty of foliage, flowers and fruit. In the shrub collection there are a large number of these plants, and others can be found in the supplementary collection in the border on linden path in the rear of the group of Linden trees. In the shrub collection several interesting species are in flower or will soon be in flower. Attention is called to *Lonicera syringantha* and its variety *Wolffii* from western China, with purple fragrant flowers, and to *L. tibetica*. Two charming plants in this collection are *L. amoena* and *L. amoena Arnoldiana*, the latter a product of the Arboretum. They are garden hybrids, with slender pink flowers, of the Tartarian honeysuckle, with *L. Korolkowii*, a species of central Asia. Other honeysuckles now in bloom which should be examined are *L. bella*, a large and vigorous hybrid of *L. Morrowii* with the Tartarian honeysuckle, *L. minutiflora*, remarkable in beauty of its brilliantly colored fruits, *L. notha*, a hybrid of the Tartarian honeysuckle with *L. Ruprechtiana* of eastern Siberia, *L. minutiflora* from central Asia, and the slender and graceful *L. coerulea firciliflora* with its beautiful drooping flowers. Of the shrubs introduced by the Arboretum into New England gardens none is now more generally cultivated or has proved more valuable than *L. Morrowii* from northern Japan. This in cultivation here is a broad high bush with wide-spreading branches clinging close to the ground. The pale blue-green leaves are pleasant in tone, and the yellow flowers are produced in the greatest profusion. This remarkable shrub, which has been largely planted in several of the Boston parks, appears to grow here more vigorously than it does in its native country.

On Azalea path the red-flowered *Rhododendron* (*Azalea*) *Kaempferi* is in flower. There are masses of this

plant on both sides of the lower end of this path and between the hemlocks and the laurels at the northern base of Hemlock Hill. The shade and coolness of this position suit this inhabitant of the high mountains of Japan, and it flowers later here than on Azalea path and the flowers remain longer in good condition. These flowers, in front of the dark background of hemlocks, make one of the most brilliant shows of the Arboretum season.

The earliest of the American *Rhododendrons* to flower, *R. carolinianum*, is opening its flowers in the collection at the base of Hemlock Hill. This is a southern plant with handsome, very dark green leaves and small clusters of bright pink flowers. It grows at a considerable elevation on the Appalachian Mountains and although it was known in England and recognized as a distinct variety as early as 1810, it was afterwards confused with another southern species, *R. punctatum* and entirely lost sight of; and it is only recently that a comparison of the two plants in cultivation has shown the differences between them. It is perfectly hardy and a valuable garden plant. *R. punctatum* is a plant of lower altitudes with smaller leaves and flowers; it blooms several weeks later and is a less valuable plant.—Arnold Arboretum Bulletin.

NORTHAMPTON, MASS.—George H. McIntyre of Easthampton has purchased C. L. Feiker's Bay State greenhouse.

Elliott's Madbury Outing.

Florists and gardeners of Boston and vicinity to the number of 140 or more arrived at Madbury, N. H., by special train, May 21, at 11 o'clock to be the guests of William H. Elliott, proprietor of the Rose Farm. The visitors were met at the depot by Mr. Elliott and a number of automobiles were on hand to convey them to the farm, which is but a short distance from the depot. The visitors first went on a tour of inspection through the extensive greenhouses and they were shown all places of interest about the large farm.

Mr. Elliott has recently had a large new barn erected on the farm near his residence and the barn had been converted into an ideal dining room for the day. The large barn was handsomely decorated and patriotic colors were very much in evidence at the residence and through the barn. The dining room was decorated with many American flags and red, white and blue bunting together with the flowers raised there. At two o'clock a fine banquet was served by Caterer Arthur W. Simpson of Madbury and his efficient corps of assistants. The long tables were loaded down with all the choice viands of the season. At the close of the banquet there were post prandial exercises, short speeches being made by many of the guests.

At the close of the post prandial program, Mr. Elliott had a large number of automobiles in waiting to take



CINERARIA STELLATA.



W. H. ELLIOTT'S MADBURY OUTING.

Field Day of the New England Craft in New Hampshire.

the party for a drive through the country including a visit to New Hampshire College. Mr. Elliott had arranged a fine program for the entertainment of his many guests and they had nothing but words of praise for the hospitality which he extended them during their visit.

American Peony Society.

The tenth annual meeting and exhibition of the American Peony Society will be held at the Grays Armory, Cleveland, O., June 12-14, in connection with the peony show of the Ohio Horticultural Society. Copies of the premium list can be had on application to Secretary John N. Stockwell, room 218, City Hall, Cleveland, O.

Chicago Peony Show.

The peony show of the Horticultural Society of Chicago has been set for June 12-13 at the Art Institute, date subject to change as the condition of the crop warrants. The premium list is now ready and includes medals and cash prizes. Copies may be had on application to R. J. Haight, Rand-McNally Building, Clark and Harrison streets, Chicago.

Massachusetts Horticultural Society.

The Massachusetts Horticultural Society announces the following dates of exhibitions in June, 1913: Peony and rhododendron exhibition, June 7-8; special exhibition of peonies, schedule classes Nos. 192-207 to be shown, June 14-15; rose and strawberry exhibition,

June 21-22. The committee on prizes and exhibitions will be glad to receive suggestions from exhibitors and others interested in the society concerning the arrangement of the schedule of prizes and exhibitions for the year 1914.

WM. P. RICH, Sec'y.

Plant Culture Under Calico.

Intensive cultivation of land is now under discussion everywhere, and how to make the best of every available inch it may be one's lot to cultivate. I hope to be able to explain in the following notes some of the uses to which calico can be put in horticulture, and at the outset I may say I have tried it for many subjects during the past eight years, and have found it very useful indeed, says a writer in the *Gardeners' Magazine*, published in London, Eng. In the first place, it is very light and mobile, as well as being comparatively cheap compared with the cost of glass. I am prepared to admit that it is not so generally useful, nor will it take the place of glass, but some subjects will thrive so well under it that I strongly advocate its use.

I generally purchase calico at about $2\frac{3}{4}$ d. to $3\frac{1}{4}$ d. per yard, taking several rolls of about ninety yards each. The width is twenty-eight to thirty inches, and those pieces with strong texture and not much starch dressing are selected. For general use I cut it into about thirty-five-yard pieces, and sew three pieces together with the machine, allowing a lap of about an inch, so, when finished, I have a sheet of

thirty-five yards long by seven feet and a few inches.

For the building of one of my calico greenhouses I obtain a quantity of $\frac{3}{4}$ x 2 x 8 feet tile laths, and some of five feet in length, and these make frames five feet by eight feet, each frame containing five pieces of eight-foot lath and four of five-foot lath, nailed together with $2\frac{1}{2}$ -inch wire nails. The eight-foot laths lie on top of the five-foot ones. It will require twenty-one of these frames on each side of our house, 42 in all. I next obtain eight pieces of timber 2 x 4 x 14 feet as a "top-rail," and lay it on the ground where the center of the house is to be, putting the ends close together; at each end I drive into the ground securely a post of 2 x 4 inches, and about seven feet long, so that the top rails may each rest on it two inches, and be secured with one four-inch nail in each end. At the middle of the top rail I put another post of 2 x 4 inches crossways, to prevent the top rail from tipping. We have now the center of the house complete. For side rails a lighter timber may be used, and 1 x 4 inches is heavy enough, and posts 2 x 2 inches; the latter, instead of being six feet out of the ground should be four feet. The rail must be nailed up securely, and when completed we have three rows of posts eight feet apart, with a rail on each. In gauging be particular about having each rail exactly eight feet from the other, or the frames will not fit. The next business is to put the frames on, and secure them with one three-inch nail in each of the four corners, not

driven quite home, but left so that it can be withdrawn without injury to the frames when the house has to be removed. When the frames are fastened the house looks like a greenhouse in course of construction.

Take the sheet of calico and draw it over the structure; roll one end round an eight feet $\frac{3}{4}$ x 2-inch rod, and secure this with two three-inch nails at one end of the building. Roll the calico round a similar piece at the other end, and nail down after pulling as tightly as possible. Do this on either side, and then stretch a single width of calico over the top of the house. Place some more lights, bottom upwards, on the house to keep the calico down, nailing them as before at the corners. The ends of the houses can be closed with calico fastened with some laths 3-16 x 1 inch. Where a house is exposed to wind it pays to put two colds on the top of the calico under the top lights. I use New Zealand two-ply, because it does not stretch unduly. The sides can be formed with wood, bags, Russian mats, tiffany, hessian, grey calico, or old calico not fit for the top put on double, and secured with sawn laths nailed on with inch wire nails.

For chrysanthemum growing I generally have three houses together, and use a spout between them. For this I ask the timber merchant to cut a fourteen-foot piece of 2 x 2 inches angles, and then nail these angles on the top outside edges of the 2x4x14 feet.

I erect these in the same way as the top rails, and line them with roofing felt when erecting the houses.

This makes them waterproof. Other adaptations of such a house will readily occur to a practical man. Frames can be made instead of houses, for instance.

The great crop that is grown in these houses is chrysanthemums, and they succeed splendidly. Many growers cultivate their decorative varieties out of doors, then lift them, and either pot them, about September, or plant them under glass. I plant six rows, twelve inches apart, in the centre of the house, then leave eighteen inches as a path, then three more rows. About September, when early frosts are expected, I erect the houses, but put no calico on until really compelled to do so by wind, rain, or frost. Often it is not necessary to put the sides or ends on until late in November. The whole of the early ones will open fit for cutting with no other protection than the sheeting. If the calico is stretched tightly it carries off the water as well as a good umbrella, and when frost comes it freezes the moisture on the calico, so that it is a sheet of ice, through which no wind or air can pass, and thus it keeps out a good deal of cold. By heating such a house chrysanthemums may be grown till mid January.

For spring use calico is invaluable, when glasshouses are over full, and one does not know where to put half-hardy seedlings. A calico house is a great boon for pricking out asters, sunflowers, stocks, celery, etc.; it affords slight shade from the scorching sun, and protection from cutting winds or heavy rains, besides finding work under cover when the weather will not

permit outside work being done. Chrysanthemum stools flourish all the winter, and the cuttings strike readily either in boxes or on nicely-prepared beds. In such houses a crop of winter parsley can be protected from the weather. I have sown quantities of aster and stock seeds with great success under calico, and, after taking the covering off for the growing period, put it on again when asters are in flower to keep the rain off.

Tulips and narcissi are a great success with this treatment, and for tulip, hyacinth, and narcissi forcing in quantity erect a house as already described, only lower by about two feet, and put another lot of calico on the underside of the lights. Benches of any rough wood are built, and some long litter put on them, and a very little soil; on these are placed the boxes or pots in which the bulbs are growing, and with an occasional sprinkling of water, and a day temperature of 60 degrees, flowers can be produced superior to anything under glass, both in coloring and length of stem. Under the benches rhubarb, sea-kale, and chicory can be grown. If bulbs are to be forced under glass it will pay to line the house with calico, as the subdued light gives a delicate coloring to the blooms that must be seen to be appreciated.

If it is not thought desirable for a house to be built, I should advise that the frames be made eight feet by five feet, and these be used as ordinary garden frames, but the calico can be stretched quite tight, and secured to each light with 3-16 x 1 inch sawn laths, so that we have lights of calico



MINNEAPOLIS PARK SYSTEM.

Mixed Bedding in Loring Park.

instead of glass, and under these frames cauliflower, lettuce, and parsley can be wintered, removing the lights altogether in open weather. When the lights are on more light will be admitted to the plants than when glass is used and covered with mats. When these plants are put into permanent quarters early potatoes may be planted, or annuals sown or pricked out. It may be found more convenient to fasten the calico to fifteen-foot laths, and roll it over a framework just as greenhouse shading is rolled. I have found that a bed of dahlias can be covered with the frames in September, and have sheeting thrown over them for two or three nights, and, as a result, they have been protected through the first frosts, and I have had plenty of dahlias till mid-November.

The heating of these structures, if necessary, is carried out by means of a conical independent boiler fitted with three flows and three returns, $1\frac{1}{2}$ inch, screwed to take gaspipe. I have a quantity of $1\frac{1}{2}$ inch, $1\frac{1}{4}$ inch, and 1 inch gas piping, with fittings of all kinds. In the autumn I put two flows and two returns in a thirty-five-yard long case, and one flow and one return, $1\frac{1}{4}$ inch, in the midseason house, and when the house is cleared I take out the pipes.

After Christmas I fit up a forcing house, branching each flow pipe into two, and thus get five flows and the same number of returns in a forcing house, and a flow and return to run round a set of glass frames forty feet long, in which mint, radishes, and lettuce are growing. There is no difficulty about fitting such a boiler; the only requirements are a rise in the pipes to the air vents, and a fall back to the boiler, and that the supply cistern be higher than any other part of the system.

TACOMA, WASH.—Regretting that the best exhibition roses will have come and gone before the Montamara Feste in July, the Tacoma Rose Society decided May 16, to hold this year's show on Friday and Saturday, June 20 and 21. The exhibition will be held in the armory.

WALTHAM, MASS.—Ruane, the Florist, has opened a temporary store in the Lawrence building where the old American Express office used to be. There Mr. Ruane will have an excellent variety of flowers on sale and he will keep the north side demand supplied there until after Memorial day.

NEW ORLEANS, LA.—P. A. Chopin, a local florist, became suspicious after cashing a check for a youth who represented himself as William Bastrop and chased him several blocks in a street car, finally handing him over to the police. The culprit fled when he saw Mr. Chopin following him but was outdistanced. He told the police he was James Giles of New York.

OREGON CITY, ORE.—June 7 has been fixed as the date on which the Oregon City Rose Society will hold its annual show, and it is expected that this year's exhibition will outrank all former displays in this city. Busch's hall has been secured for the showing of blooms and all exhibitors must have their displays on hand before 11 a. m., or else they will not be eligible for the large list of prizes that have been offered.

OBITUARY.

Wm. C. Trimble.

Wm. C. Trimble, senior member and vice-president of the W. E. Trimble Greenhouse Co., Princeton, Ill., died of heart trouble at the ripe age of 82 years, seven months and two days, at 3 o'clock in the afternoon, Saturday, May 24, while playing croquet on the City Club grounds. He was born in Ohio and moved to Princeton in 1849, where he has since made his home. He leaves a widow and ten children, five sons and five daughters, all of whom, with the exception of two sons, are married. The funeral was held Monday at 3 p. m. at the residence, 501 East Peru street. The funeral offerings and decorations surpassed anything ever seen in Princeton. Mrs. Trimble and eight of the children were present. Some of the leading florists from neighboring cities who attended



The Late Jean Rudolph Trumpy.

were as follows: Robert Simmen, La Salle, Ill.; Barney Katzwinkle, Mendota, Ill.; George Heath, Morris, Ill.; also Carl Erickson, Princeton, and Mrs. N. P. Colberg, Princeton.

Jean Rudolph Trumpy.

Jean Rudolph Trumpy died on the night of May 21 in the Flushing, N. Y., hospital. He was in his eighty-third year. About six weeks ago, while taking a bath at his home he slipped and fell, breaking his right hip. To a man of his advanced age such an accident was extremely serious and the situation was more complicated from the fact that neither he nor the members of his family realized for several days how serious was his injury. Mr. Trumpy was born in Switzerland, and came to this country when 26 years old. He was for many years connected with the Parsons Nursery, Flushing. He was one of the most successful propagators of nursery stock, and in fact, all kinds of plants, of his day and generation. He is survived by a widow and two daughters.

A. F. F.

H. I. W. Winfield.

Henry T. Wellington Winfield, who with Mrs. Winfield had conducted a retail flower store at 202 Bedford avenue, Brooklyn, N. Y., for about 25 years, died in his home above the store May 24. He was stricken with apoplexy May 12 and never regained consciousness. Mr. Winfield was born in Oxford, England, 65 years ago, receiving his early education there. He is said to have been a graduate of Oxford College. He had lived in Brooklyn for 26 years and was active in politics, being a member of the Seymour Democratic Club. He is survived by his widow, a daughter, Mrs. James A. Jenkinson, and a son, Harold Winfield.

A. F. F.

Wm. C. Strong.

Wm. C. Strong, for many years owner of an extensive nursery at Brighton, Mass., died in New York city at the home of his son, May 14. He had been a resident of Waban, Mass., for 48 years but gave up active business 15 years ago. Mr. Strong had been four times president of the Massachusetts Horticultural Society. He was a member of the Congregational Church and was highly respected by all who knew him. He leaves a son and two daughters.

Samuel D. Willard.

Samuel D. Willard, head of the firm of S. D. Willard & Co., nurserymen, of Genoa, N. Y., died there May 23, aged 78 years. He was widely known in the nursery and fruit growing business.

A. F. F.

The Sweetest Time o' Year.

It's getting time o' year just now when May
swings into bloom,
And all the peach and apple trees are reeking
with perfume,
A panoramic glory gilds the morning in the
East,
With an iridescent glamor of a mighty sumptuous
feast.

The blackbird in the hollow and the robin in
the tree,
Are shouting hallelujahs up to heaven and
to me;
The forest trees are budding with a freshness
rich and rare,
And pronounce a benediction through the blossom-scented air.

The South wind in his rambles, searches every
shady nook,
And gathers sweetest perfume from the blossoms
by the brook,
The sun in gorgeous splendor smiles upon the
sprouting grain;
The flowers nodding to and fro are welcoming
the rain.

I love to hear the droning of the husky hum-
ble bee,
As he tumbles through the meadow in a muffled
ecstasy,
I love to hear the ripple of the bustling little
rills,
And the music of the breezes as they kiss the
daffodils.

There is something that is pleasing every
minute of the day,
When Maytime brings the blossoms out and
flaunts her banners gay,
All the glories of the seasons in a single bunch
appear,
For the blossoming of Nature is the sweetest
time of year.

It's part of my religion I would like to have
you know,
That a loving smile's an antidote for every
human woe.
It's a trite and useful saying and its secret
I'll impart,
When your thoughts are with the flowers in the
no winter in the heart.

—Bush Phillips.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.
From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier possible), as we go to press Wednesday.
We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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WE shall be pleased to have reports of the Memorial day business from all of our readers for next week's issue. Reports mailed Saturday, Sunday or Monday will reach us in good season.

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high-grade design and decorative work. These fine supplements should be carefully preserved, as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue, as otherwise they may miss some of this high-grade work.

Attention, Florists' Clubs.

To the secretaries of the Florists' Clubs of the United States:

Please send the number of members of your club to the secretary of the S. A. F., John Young, 54 West Twenty-eighth street, New York.

By so doing you will greatly oblige,
A. FAENWALD.

Society of American Florists.

The following is the preliminary program of the twenty-ninth annual meeting and exhibition to be held in the National Guards Armory, Minneapolis, Minn., August 19-22, 1913. The program for the sports is not yet complete. The list of events, etc., will be included in the program when it is mailed to the members at a later date. It will be necessary to have the 1913 button for admission to the hall and meetings. This button has been sent to all members who are in good standing. It will save time and confusion at the convention and facilitate the work in the secretary's office very much, if the members who are in arrears, will remit their 1913 assessment promptly to the secretary, upon receipt of which the 1913 button will be sent them.

The floor plans showing available spaces in the trade exhibition, are now in the hands of the printer and will be mailed within a week. Inquiries are arriving at the secretary's office from all sections of the country, which show the wide-spread interest that is being taken in this convention, which undoubtedly will be one of the most successful in the history of the society. Exhibitors desiring space in the outdoor planting exhibition should take the matter up at once and communicate with the undersigned, who is superintendent of the trade exhibition, or write directly to Theo. Wirth, Court House, Minneapolis, Minnesota, the vice-president of the society, who is making strenuous efforts to make this outdoor planting exhibition one of the great features of the convention.

JOHN YOUNG, Sec'y.

PRELIMINARY CONVENTION PROGRAM.

TUESDAY, AUGUST 19.

First Day—Opening Session.
Opening Exercises, 2 p. m.
Address of Welcome.
President's Address.
Reports of Officers.
Selection of meeting place for 1914.
Evening Session.
President's Reception, 8 p. m.
Balloting for meeting place for 1914.

WEDNESDAY, AUGUST 20.

Second Day—Morning Session.
Meeting of the American Rose Society, 9 a. m.
Meeting of the American Sweet Pea Society, 10 a. m.
Morning Session of the S. A. F.
Report of Tariff and Legislative Committee.
Discussion.
Nominations for Officers for 1914.
Reports of State Vice-presidents.
Afternoon Session, 3 p. m.
Report of the National Flower Show Committee, by Chairman Charles H. Totty.
Discussion.
Report of School Garden Committee.
Report of Judges of Trade Exhibit.
Evening Session, 8 p. m.
Stereopticon Lecture by Theo. Wirth, "Parks and Boulevards of Minneapolis."

THURSDAY AUGUST 21.

Third Day—Morning.
Meeting of the American Carnation Society, 9 a. m.
Meeting of the American Gladiolus Society, 10:30 a. m.
Polls open for Election of Officers, 10 a. m. to 12 noon.

Evening.

Reception of the Ladies' S. A. F., 8 p. m.

FRIDAY, AUGUST 22.

Fourth Day—Morning.

Meeting of the American Chrysanthemum Society, 9 a. m.
Session of S. A. F.
Report of Chairman of Publicity Committee.
Discussion and action on the following recommendation of the Board of Directors:
"RESOLVED, That it is the sense of the board of directors that some action be taken by the society whereby exhibits of artificial flowers at our Trade Exhibits and Flower Shows, be exchanged."

SATURDAY, AUGUST 23.

Fifth Day.

The delegates will be taken for an outing at Lake Minnetonka as the guests of the Minneapolis Florists' Club where all the other sporting events and games will take place.

Ladies' Society American Florists.

TUESDAY, AUGUST 19.

First Day.

President's Reception: Music, Dancing and Refreshments at Hotel Radisson, 8 p. m.

WEDNESDAY, AUGUST 20.

Second Day.

Annual meeting at the Convention Hall.
Auto trip around the City of Minneapolis with luncheon at Minikahda Club.

Evening Open.

THURSDAY, AUGUST 21.

Third Day.

Ladies' Bowling, 10 a. m.
Afternoon Open.

Evening.

Reception and Dancing at Hotel Radisson.
Reception, 8 p. m.
Dancing, 9:30 p. m.

FRIDAY, AUGUST 22.

Fourth Day.

Visit to St. Paul as the guests of the St. Paul florists.

Evening.

Special Concert at Lake Harriet.

Meetings Next Week.

Albany, N. Y., June 5, 8 p. m.—Albany Florists' Club, 76 Maiden Lane. Robert Davidson, secretary, 115 Second street.

Buffalo, N. Y., June 3, 8 p. m.—Buffalo Florists' Club, 385-387 Elliotts street.

Chicago, June 5, 8 p. m.—Chicago Florists' Club, Union Restaurant, 72 W. Randolph street.
Dayton, O., June 5, 8 p. m.—Dayton Florists' Club, 37 E. Fifth street.

Denver, Colo., June 2.—Colorado Florists' Club, T. M. A. hall, 1422 Curtis street.

Detroit, Mich., June 2, 8 p. m.—Detroit Florists' Club, 247 Randolph street.

Fall River, Mass., June 3, 8 p. m.—Fall River Florists and Gardeners' Association, John R. Pee, secretary, 64 Berdsley street, Fall River, Mass.

Grand Rapids, Mich., June 2.—Grand Rapids Florists and Gardeners' Club, office of member, Edward Freyler, secretary, 891 Wealthy avenue.

Indianapolis, Ind., June 3, 7:30 p. m.—State Florists' Association of Indiana, State House.

Lake Geneva, Wis., June 7, 8 p. m.—Lake Geneva Gardeners and Foremen's Association, Horticultural Hall.

Lenox, Mass., June 7.—Lenox Horticultural Society, Geo. H. Instone, secretary.

Los Angeles, Calif., June 3.—Los Angeles County Horticultural Society, Louis F. Horner, secretary.

Louisville, Ky., June 4, 8 p. m.—The Kentucky Society of Florists, Masonic Building.

Milwaukee, Wis., June 5, 8 p. m.—Milwaukee Florists' Club, Quiet House, 86 Mason street.

Minneapolis, Minn., June 3.—Minneapolis Florists' Club, 218 N. 5th street.

Montreal, Que., June 2, 7:45 p. m.—Montreal Gardeners and Florists' Club, Royal Guardians building, 224 Sherbrook street west.

New Orleans, La., June 4, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., June 4.—Newport Horticultural Society, P. F. Reynolds, secretary, Rugles avenue.

Philadelphia, Pa., June 3, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street, above Spruce.

Pittsburg, Pa., June 3, 8 p. m.—Florists and Gardeners' Club of Pittsburg, Fort Pitt Hotel, Tenth street and Penn avenue.

Salt Lake City, Utah, June 3.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.

San Francisco, Calif., June 7.—Pacific Coast Horticultural Society, T. F. Taylor, secretary, 2735 Golden Gate avenue.

Seattle, Wash., June 3.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

Tacoma, Wash., June 5.—Tacoma Florists' Association, Macabee Hall.

Utica, N. Y., June 5, 8 p. m.—Utica Florists' Club, Genesee Hall, Oneida square.

Washington, D. C., June 3, 8 p. m.—Florists' Club of Washington, 1214 F street, N. W.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—As a working foreman, single, strictly sober and a good grower of cut flowers and potted plants; good designer and hustler. Key 811, care American Florist.

Situation Wanted—On commercial or private place by young man, aged 22, seven years experience in general greenhouse work. Private preferred. Key 828, care American Florist.

Situation Wanted—As a working foreman; married; strictly sober and a good grower of cut flowers and potted plants; good designer and a hustler. Key 827, care American Florist.

Situation Wanted—As saleslady and designer in a Chicago retail store. State salary and hours when writing. Address Key 834, care American Florist.

Situation Wanted—Man fully experienced in all lines of outdoor and indoor gardening is open to engagement where high grade gardener is needed. Address, Key 835, care American Florist.

Situation Wanted—By Englishman, 14 years experience in all branches, seven in America. Well versed in orchids, roses, fruit culture under glass, and all kinds of cut flowers, lawns, etc. Age, 29. Key 833, care American Florist.

Situation Wanted—Manager and foreman now in charge of about 80,000 feet of glass, wants a change; a good grower or manager of a store; first-class salesman and designer; can take charge soon. Key 817, care American Florist.

Situation Wanted—Florist and Gardener of 20 years experience on a private place or public institution; first-class grower of Orchids, Cut Flowers, and Vegetables, under glass or outside. Best references. Address Key 818, care American Florist.

Situation Wanted—By a young man 22 years old, as assistant in retail florist establishment; has general knowledge of the business and can act as salesman and maker-up. Excellent references furnished as to ability. Call or address J. S. DONATO, 82 East 115th St., New York, N. Y.

Situation Wanted—By gardener: Scotch; as head in private place; experienced in all branches of gardening, inside and out. Over 20 years in large establishments growing all kinds of greenhouse plants and vegetables. Also care of lawns and landscape work. Age 37; married; no family. ARCH LITTLEJOHN, 39 Temple St., Somerville, Mass.

Situation Wanted—Landscape Architect (German) 29 years of age, first-class technical and practical knowledge of landscape gardening. Expert in layouts of artistic plans and estimates for municipal and private parks. Recently employed as manager for some of the largest landscape contractors of Germany. Excellent references. Key 809, care American Florist.

Situation Wanted—On commercial or private place by an all around man with 20 years of practical experience in this country and Europe; single, 35 years of age. Can furnish the best of recommendations from leading firms. Pot plants, roses, carnations and landscape gardening a specialty. State salary when writing. Address, GEORGE BAKAITIS, 5433 North Seeley av., Chicago

Situation Wanted—As head gardener and florist superintendent on private place; English, age 35, married, one child aged 8 years. At present engaged, but desire change; life experience in all branches—hot house plants, cut flowers and fruit under glass, vegetables, lawn perennials, and the general routine of a well kept estate; 4 years and a half in present place; first-class references. Key 813, care American Florist.

Help Wanted—Filling window boxes, vases and bedding out, \$16.00 per week; 35c per hour overtime. R. J. SOUTHERTON, Highland Park, Ill.

Help Wanted—Boys and young men to help in and around greenhouses. Also men who have had some experience in tea roses. FOEHLMANN BROS. CO., Morton Grove, Ill.

Help Wanted—Two bright young men—Carnation Growers—who have had charge of growing sections. State wages, etc. Address, Key 832, care American Florist.

Help Wanted—Experienced saleslady for Chicago retail store. One who has a little knowledge of bookkeeping preferred. Address Key 842, care American Florist.

Help Wanted—A good Chrysanthemum grower and Plantsman; single preferred. Good wages and steady position if he makes good. METAIRIE RIDGE NURSERY CO., Ltd., New Orleans, La.

Help Wanted—Florist to take charge of greenhouses, propagating and bedding out of plants in the Topeka City Parks under the superintendent. A man of middle age who received his training in Germany or other parts of Europe preferred. Salary \$65.00 per month. Apply to E. F. A. REINISCH, Supt. of Parks, Topeka, Kans.

For Sale—Several ice-boxes at a reasonable figure. Address Key 838, care American Florist.

For Sale—10,000 feet of glass in the best town for its size in Illinois. No competition; a money maker. Address, Key 821, care American Florist.

For Sale—1 Morehead Return Steam Trap and Receiver, almost new, \$45.00. JOS. MILLIGAN & SON, Florists, 1044 Clydesdale Ave., Salt Lake City, Utah.

For Sale—Good paying retail store in Chicago. Fine location. Other business to look after reason for selling. For further particulars address Key 837, care American Florist.

For Sale—Cheap, a first-class refrigerator, small delivery wagon and several store mirrors. A bargain. Act quick. JOHN CANGER, 17 E. Monroe St., Chicago.

For Sale—Greenhouses, 86 x 120 ft., 5 runs of ventilators 120 ft. each, 2 boilers of 20 and 40 horsepower, all steam and water pipe and hose bibs. For particulars address O. L. BAIRD, Dixon, Ill.

For Sale Cheap—Two horizontal return tubular boilers, one 50 h. p., one 40 h. p., suitable for greenhouse or heating plant. Write for full description and price. W. H. BARRETT, Adrian, Mich.

For Sale—Dandy second hand ice-box for \$175 just the box for an up to date Chicago retail store. Biggest offer ever made, so get busy and answer this Ad now. Key 839, care American Florist.

For Sale—Well located retail store, centrally located, doing good business for over five years. This is a rare opportunity, price very reasonable; going south object of selling. Address, Key 804, care American Florist.

For Sale Cheap—To be removed by Oct. 1st. Between 5,000 and 6,000 feet of glass; about 2,000 feet 4-in. cast iron pipe; two nearly new sectional boilers; water-piping; windmill; 100 bbl. tank and other property, including stock. Near Chicago. Good chance for party building a moderate plant to pick up a lot of material cheap. Key 844, care American Florist.

For Sale or Lease—5 greenhouses at Madison, N. J., 1 mile from station, 4½ acres of land, 4 room dwelling, up-to-date, cheap, and low rent to prospective buyer. Address, R. S., 265 Rosedale Ave., Madison, N. J.

For Sale—Here is an opportunity in the "Far West" where there is no hay fever, floods or cyclones: A well established and paying floral business, in a city of 12,500, controlling the select trade of the city and surrounding country, with another store 80 miles away in a town of 4500, which is the only store in the town. The plant consists of two stores, three greenhouses 16x125 each, one lean-to 9x125 all attached, hotbeds and sash, 35 H. P. T. boiler, four room dwelling, large boiler room and potting shed, complete pumping plant, automobile, 3 3-10 acres land; everything first-class and in first-class condition. We sell more than we can produce. This is an opportunity to get into the business in a new and fast growing country. Books are open for inspection. Reasons for selling will be given. Address, Key 840, care American Florist.

Wanted to Buy—Florist's wagon; second hand; rubber tires; state price. Key 843, care American Florist.

Wants to Rent Store—Advertiser wants to rent a retail flower store in Chicago where a good business is being carried on. State full particulars. Address, Key 836, care American Florist.

FOR SALE.

Great Bargain. Greenhouse in Salida, Colo. Six thousand feet glass; good dwelling; within four blocks of business centre; well stocked with plants and flowers; fine trade, local and shipping J. H. FREEMAN, Salida, Colo.

For Sale at a Pick Up Price

An up-to-date wholesale and retail florist plant in the vicinity of Chicago. It contains about 70,000 square feet of glass, 12 to 20 acres of first-class land, large dwelling house in good shape, everything modern. The whole place high and dry, \$10,000 cash, balance to suit. Do not write unless you mean business. Address, Key 830, care American Florist.

TO LEASE

On account of retiring from business I will lease my greenhouse plant for a term of years, to a responsible party on or about July 1, comprising about 35,000 feet of glass, 11 houses to be put in good order. Mostly new boilers (hot water). This place is suitable for growing any kind of stock, Roses, Carnations, etc. Part of this range are Lord & Burnham houses, some of iron construction, all stock on place for another year. Dwelling house, barn and enough ground to run place. This range is situated in the vicinity of New York, in a wealthy town with a good retail trade; this place will be rented right. Address, Key 841, care American Florist.

Offer Them Now

ALL SPECIALTIES

For Cemetery Use
All Bedding Plants
Window Box Stock
Plants for Vases

WHILE DEMAND IS STRONG

Yellow Roses

FOR GRADUATION EXERCISES

A Good Crop Now On.

Mrs. Aaron Ward and Lady Hillingdon—Prices \$4.00 to \$10.00 per 100; Extra Select, \$12.00 per 100. We also have a fine supply of Beauties, Red Roses, White and Pink Killarney, and BEST WHITE CARNATIONS in the Market

BASSETT & WASHBURN

LONG DISTANCE PHONES,
CENTRAL 1457.
AUTO., 47-314.

OFFICE AND SALESROOM,
131 N. Wabash Ave., CHICAGO, ILL.

Chicago.

DISAGREEABLE WEATHER.

Business has been fairly good all week but there was plenty of stock of all kinds to go around and no shortage whatever was reported. Carnations have had a good call and what little fancy stock there was cleaned up quickly at good prices. The unfavorable weather of the past week has affected trade considerably and consequently stock has suffered also, especially carnations, which in most cases were unfit for shipping any great distance. There was, however, a brisk demand for them the opening of the week, when the best red and white easily brought four cents and in some instances as high as five cents each. The poorer grades, though, were more plentiful and sold for much less. Peonies are arriving in quantity and, like the carnations, have suffered considerably from the weather, and many of the dealers are complaining because the fresh stock quickly drops its petals. One dealer says that he has watched his stock very carefully and does not remember a season when the fresh flowers dropped their petals so quickly before. Sweat peas have also suffered greatly and there is now much inferior stock to be had. Roses are good property now and many of the dealers look for a shortage before Memorial day. Yellow roses have advanced considerably in price. My Maryland is arriving in good condition and is in good demand. Richmond are also good but they too show the effects of the weather. Killarney and White Killarney are arriving in quantity but are moving well this week. Sunburst is in good demand. American Beauty has been in good supply but the fancy grades clean up

quickly at good prices. The supply of young stock is more plentiful, especially the shorter grades. Lily of the valley is in fair supply. Cape jasmines have made their appearance but are moving none too well. Orchids are seen



"Lookin' Her Over."

J. J. Hess, Omaha, Aug. Poehlmann, Chicago.
Harry Balsley, Detroit, O. J. Olson, St. Paul,
Aboard S. S. Olympic, New York.

in larger supply and daisies, gladioli, snapdragons and other miscellaneous stock is still to be had in quantity. There seems to be a shortage of stock in some sections of the country, for some of the nearby markets are buying heavily in certain lines. At this writing, Wednesday noon, the weather is ideal and the stock is now arriving in much better condition. Short roses are very scarce and peonies seem to

be holding their own. Roses will probably clean up well and from present indications all good stock will be pretty well sold up before the big day is over.

NOTES.

Poehlmann Bros. Co. was fortunate in having a large crop of carnations for Memorial day in addition to a heavy cut of roses and other seasonable stock. The supply department is having a good run on holiday goods and the plant department at Morton Grove is having about all the business that it can properly attend to. A new lath house is being erected for this branch of the business.

Peter Olsem's Carnations finally won a game of ball on May 25 when they defeated the crack Lennons by a score of 4 to 2. The game was one of the best played in Joliet this season and the victory was due mostly to the work of Olsem's newly-acquired battery, Fisher and Offerman.

Harry Manheim visited Hoerber Bros.' greenhouses in Des Plaines on May 25 and found the crops of roses and carnations in fine condition for Memorial day. He says that Hoerber's new concrete chimney is well under way and will be completed soon.

W. E. Lynch, with A. L. Vaughan & Co., will leave next week for an indefinite stay in the east where his family is now awaiting him. Ernest Farley has returned from Indianapolis and is now in the employ of A. L. Vaughan & Co.

Zech & Mann moved into their new store at 30 East Randolph street on May 26 and are now in a better position than before to take care of their ever-increasing business.

The J. B. Deamud Co. is receiving a fine grade of peonies and are well supplied with stock for Memorial day.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

For Weddings and Graduation Exercises Peonies, Carnations, Roses, Valley, Orchids, American Beauties

We shall have plenty of stock of all kinds for these occasions; where half open Roses are needed, can always supply them. We will be especially strong on Carnations. Our supply is increasing daily and the stock is extra fancy quality.

Am. Beauties

Our extra long are in good supply and are extra fine quality, can fill all orders. Medium and short are very scarce.

Valley

We always have a large supply ready to fill orders on short notice. We grow this in very large quantity and should have your orders.

Roses

We will have our usual large supply of short and medium length Roses. These grades are most desirable for all occasions.

Ferns

Our common ferns "old stock" is still in first-class condition, large, fresh and green, and will continue so until the new ones are ready.

Sweet Peas

We will have ample supply of the Spencer or Butterfly varieties, also the common varieties.

Peonies

We will have thousands for Commencements, most valuable flower for this purpose. Our stock is first-class.

Giganteum Lilies

The valuable Lily we grow in large quantity. It is very popular for Decorations and Weddings.

Orchids

Our supply is increasing daily and quality is extra fine. All shades of Cattleyas. Let us supply you with what you need for table decoration and weddings.

Adiantum, Smilax, Sprengeri, Asparagus, Leucothoe.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

BEAUTIES--ROSES--CARNATIONS

Buy from us and get the best stock in the market at the most reasonable prices.

CURRENT PRICE LIST—Subject to change without notice.

American Beauties

Per Dozen	Per Dozen
60 in. stems.....\$4 00	24-in. stems.....\$2 00
48-in. stems.....3 50	18-in. stems.....1 50
36-in. stems.....3 00	12-in. stems.....1 00
30-in. stems.....2 50	

Killarney.

Per 100	Per 100
Extra special.....\$ 7.00	Medium.....\$4.00
Selects.....6.00	Good.....3.00
Fancy.....5.00	Short stems.....2.00

Richmond.

Per 100	Per 100
Extra special.....\$7.00	Medium.....\$4.00
Selects.....6.00	Good.....3.00
Fancy.....5.00	Short stems.....2.00

My Maryland.

Per 100	Per 100
Extra special.....\$ 7.00	
Selects.....6.00	
Fancy.....5.00	
Medium.....4.00	
Good.....3.00	
Short stems.....2.00	

White Killarney.

Per 100
Extra special.....\$ 7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Sunburst

Per 100
Extra special.....\$10.00
Fancy.....8.00
Good.....6.00

Roses, our selection - - - **\$3.00**

Carnations.

Special.....\$2.50
Good.....\$1.50 to 2.00
HARRISII.....\$12.50 to 15.00
FERNs, per 1000.....\$3.00
SMILAX, per doz.....\$2.00 to \$2.50
ADIANTUM, per 100.....1.00
GALAX, per 1000.....1.00
SPRENGERI, per bunch......50
ASPARAGUS SPRAYS, per bunch......50

Wietor Bros. cut heavily in roses and carnations this week and had a fine line of stock for Memorial day. The carnations especially were in good crop and some fine blooms were obtainable this week at the store. Bonfire was in fine shape and came in handy for the shipping orders. N. J. Wietor says that the planting is well under way and that their business last season as a whole was very satisfactory. Milady and Mrs. Chas. Russell, the two new roses, will be given a trial next season.

Peter Reinberg is cutting a large quantity of American Beauty roses from young plants now in addition to a good supply of My Maryland, Richmond, Killarney and White Killarney. Tim Matchen says that orders are very numerous for Memorial day and are still arriving in every mail.

Vaughan's Seed Store employees will have an outing at Western Springs, June 1, when there will be a baseball match between teams representing the store and the nursery.

Special prizes for the coming peony show are offered by E. E. Pieser, W. W. Barnard Co., Peterson's Nursery, Vaughan's Seed Store and Kennicott Bros. Co.

H. Van Gelder says that Percy Jones' sales for the past 44 days have shown a great increase over those during the same period of last year.

The next regular monthly meeting of the Florists' Club will be held at the Union Restaurant next Thursday, June 5.

The North Shore Florists and Nurserymen's Association will meet at Winona Hall next Monday, June 2.

M. C. Gunterberg is still receiving a small supply of orange blossoms.

August Barnett, formerly with E. H. Hunt, is now with Erne & Klingel.

PERCY JONES

L. M. JONES, Secy.

(Inc.)

H. VAN GELDER, Pres.

Save Money

Investigate These Bargains

PLAIN WIRED TOOTHPICKS.

\$1.25 per package of 10,000

HARDWOOD TOOTHPICKS.

Case of 100 boxes (1 case of 100 boxes) \$2.00 per case.

WATERPROOF CREPE PAPER.

\$1.85 per dozen rolls; \$14.00 per 100 rolls.

GREEN FLORISTS' THREAD.

75 cents per pound.

BEST PLAIN CARDS.

65 cents per 1000.

GREEN SEA ISLAND TWINE.

Three 1-pound boxes for \$1.00.

FIVE-PLY TUBE ROPE.

10 pounds to roll, 10 cents per pound.

SPIRIT NETTING.

12-inch, 6½ cents per yard.

WRITE FOR SPECIAL PRICES ON RIBBONS.

56 E. Randolph St., Chicago

The Early Advertisement Gets There.

American Beauties

Young Stock, running mostly in short stemmed flowers. Also a good supply of **Richmond, My Maryland, Killarney, White Killarney and Mrs. Aaron Ward Roses. : :**

Current Price List

AMERICAN BEAUTIES

	Per doz.
Extra long stems	\$4 00
36 inch stems	3 00
30 inch stems	2 50
24 inch stems	2 00
20 inch stems	1 75
15 inch stems	1 50
12 inch stems	1 25
Short Beauties	\$0.75 to 1 00

	Per 100
Richmond	Extra Select.....\$10 00
Killarney	Select.....8 00
White Killarney.....	Medium.....\$5 00 to 6 00
My Maryland.....	Short.....4 00

	Per 100
Mrs. Aaron Ward } Medium	\$8 00
Mrs. Aaron Ward } Short	\$4 00 to 6 00
Roses, our selection.....	3 00
Carnations, all good.....	1 50 to 2 00
Carnations, fancy.....	2 50
Harrisii	per doz. \$1 50 to \$2 00
Valley	3 00 to 4 00
Sweet Peas.....	75 to 1 25
Smilax	per doz. \$2 00
Peonies	4 00 to 6 00
Adiantum	1 00
Asparagus, per bunch.....	50
Ferns, per 1,000	2 50

2,000,000 Feet of Modern Glass

PETER REINBERG

30 E. Randolph St.,

L. D. PHONE
CENTRAL 2846

Chicago

T. E. Waters has returned from Duluth, Minn., where he was called to give expert testimony in the Visias-Gregory Co. case, which was held last week in that city. He also visited the establishments of J. J. LeBerious and the Duluth Floral Co. while he was there, and found the proprietors very busy with spring work.

Jack Byers, the Chicago Carnation Co.'s right hand man, accidentally took a swim on May 25 when he was overhauling a launch in the Lincoln park lagoon. Jack says the water was fine but advises his friends to wait a few weeks before donning their bathing costumes.

The Chicago Flower Growers' Association is showing a fancy grade of peonies, as well as roses, carnations, sweet peas and other choice stock. The Memorial day trade has been very good so far, carnations especially being in brisk demand.

F. Jerome of the American Importing Co., and several of his force will leave some time in June for Europe to select stock for next year's business. Mr. Jerome expects to add a line of ribbons and baskets soon.

Fred Klingel has had a great deal of sickness in his family lately, both of the twins being seriously sick. They are a great deal better at this writing and an early recovery is hoped for.

George Perdikas has been featuring sweet peas in quantity the past week in all of his three loop stores, which command a good transient trade.



PEONIES

Mammoth supply of Extra Fine Stock for June Weddings and School Closings in all the seasonable varieties at

\$2.00—\$4.00—\$6.00 per 100

Also all other flowers and greens

Send for complete Price List

CHAS. W. McKELLAR

Phone L. D. Central 3598

22 E Randolph St., CHICAGO

Johnson & Chronis have been very busy with funeral work all this month, otherwise the spring business has been rather quiet.

Roswell Schupp of the J. A. Budlong force returned in time from his vacation to help out at the store during the Memorial day rush.

EVERYTHING YOU NEED FOR

June Weddings and Commencements

Peonies, Roses, Carnations, Orchids, Valley, Sweet Peas, Gladioli and all other choice seasonable stock. Make a noise like an order and you will find us always on the job.

A. L. VAUGHAN & CO.,
 161 N. Wabash Ave., (NOT INC.) **CHICAGO**
 TELEPHONES: { Central 2571
 2572
 Auto. 48-734

U S Budlong's E Blue Ribbon Valley.

The peony show of the Horticultural Society of Chicago has been set for June 12-13 at the Art Institute, date subject to change as the condition of the crop warrants. The premium list is now ready and includes medals and cash prizes. Copies may be had on application to R. J. Haight, Rand-McNally Building, Clark and Harrison streets, Chicago.

The Auburndale Goldfish Co., which recently moved into larger quarters at 1449 Madison street, expects another large shipment of goldfish soon. Miss K. N. Cooper's many friends in the trade are pleased to find her again attending to her duties at the store.

The Raedlein Basket Co. has a tremendous supply of baskets in stock at its large salesroom at 713 Milwaukee avenue which includes everything in the florist's line. This firm will again be an exhibitor at the next S. A. F. convention.

C. L. Washburn will leave on June 29 for a visit with relatives at Pasadena, Calif. He will return in time to allow Bassett & Washburn's store force to enjoy their regular summer vacations.

Henry Wittbold had a large decoration in Evanston this week. He is now receiving a large supply of huckleberry foliage, the green that made Finn famous.

John Kruchten says that Nelson Fischer was his best offering in carnations this week and that the blooms all sold quickly at fancy prices.

The Florists' Club sports committee, Edgar Winterson chairman, will meet at the Union Restaurant next Thursday, June 5, at 7 p. m.

The E. C. Amling Co. is featuring some very choice peonies at present in addition to a complete line of other seasonable stock.

Chas. W. McKellar received his first local grown peonies this week. Orchids are more plentiful now at this establishment.

Frank Oechslin's plant trade has been very brisk and this year's Memorial day trade promises to be one of the best ever.

Peonies hereabouts have been badly damaged by frost this month, probably 20 to 50 per cent of the buds being crippled.

W. W. Randall, with the A. L. Randall Co., has returned from a western business trip.

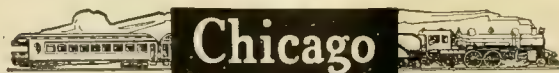
The Chicago Great Western has been named the Official Route of the Chicago Florists' Club to the Minneapolis Convention, August 19th to 22nd.

The Chicago Florists' Club will leave Chicago by Special Train at 6.15 p. m., August 18th, an invitation is extended to all eastern Florists and their friends and families to join them at Chicago and go to the convention in a body.

Special train will be "up-to-the-minute" throughout—including compartment and drawing room and standard sleepers, Buffet Club car, dining cars, Observation parlor, etc., etc.

For berths and information address,

A. L. CRAIG, General Pass. Agt.,
1139 People's Gas Bldg., CHICAGO, ILL.



Great Western

Send Your Orders

—TO—

J. B. DEAMUD & CO.

160 N. Wabash Avenue, CHICAGO

DO IT NOW.

A new flower store will open soon at State and Quincy streets.

Visitor: D. E. Curtis, of the Floral Co., Webster City, Ia.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

In Quantity:

PEONIES
ROSES
Carnations
Sweet Peas

And everything else seasonable
in Cut Flowers and Greens.

Current Price List. Subject to change
without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$2.00	1.50
Killarney.....per 100	8.00	6.00	5.00	4.00	3.00
White Killarney.....	8.00	6.00	5.00	4.00	3.00
My Maryland.....	8.00	6.00	5.00	4.00	3.00
Richmonds.....	8.00	6.00	5.00	4.00	3.00
Mrs. Aaron Ward.....	8.00	6.00	5.00		
Sunburst.....	8.00	6.00	5.00		
Carnations.....	4.00	3.00	2.00		
Callas.....	12.50	10.00			
Lily of the Valley.....	4.00	3.00			
Peonies.....	8.00	6.00	4.00		
Sweet Peas.....	1.50	1.00	.75		
Easter Lilies.....	12.50	10.00			
Daisies.....	1.50	1.00			
Asparagus Plumosus Sprays..	4.00	3.00	2.00		
Asparagus Sprenger Sprays..	3.00	2.00			
Mexican Ivy.....	.60				
Smilax.....	16.00	12.50			
Galax, Green and Bronze.....per 1000	1.00				
Ferns.....	2.00				
Boxwood.....bunch	.25				
Adiantum.....per 100	1.00	.75			

ANNOUNCEMENT

WE are now located in our new store at 30 East Randolph Street, where all mail, telegrams and orders intended for us should be sent hereafter. Our large quarters and increased daily supply of stock now finds us in a better position to fill all orders. We are at present particularly strong on fancy **Peonies, Roses, Carnations, Cape Jasmine** and all other seasonable cut flowers and **Greens**, and would greatly appreciate a trial order. Send it in now.

ZECH & MANN, Chicago, Ill.

Duluth, Minn.

Louis Visias of this city is suing his landlords for \$5,000 damages he alleges he suffered by loss of flowers because the stipulation as to temperature was not complied with and for other reasons. Mr. Visias says that according to the terms of his lease the temperature was to have been kept at at least 50° Fahrenheit, but that it dropped below 40° at times and many plants were damaged as a result. He also charges that in spite of his objections the defendants leased an adjoining building to a man in the

gasoline engine business and that the fumes from the gasoline had a detrimental effect on plants and flowers.

BOSTON, MASS.—Two hundred and fifty florists left this city May 21 to visit the establishment of W. H. Elliott at Madbury, N. H.

WAVERLY, N. Y.—Harvey Tracy is building an addition to his greenhouse plant, 30x75 feet, doubling the present glass area. Mr. Tracy began only last year and his business has grown rapidly.

U
S Budlong's
E Blue Ribbon Valley.

OMAHA, NEB.—The city park authorities have called for bids for the removal of the Joslyn greenhouses to Hanscom park.

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street, L. D. Phone, Randolph 6578 CHICAGO, ILL.

St. Louis.

MUCH WASTE STOCK.

The weather opened up very warm the first part of the week and the counters at the wholesale houses were well filled. Peonies, lilies, lily of the valley and Pink Killarney roses were very numerous and quite a number of flowers were consigned to the dump pile. Planting out is about finished. Very dry weather is reported in the country. Memorial day and two weeks in June will about finish up the season's work. At the time of this writing the weather is cloudy and cool.

NOTES.

The Jacquemin-Lambach Floral Co. is making a fine display of French imported dracenas which cannot be told from the natural kinds at a distance. This firm also has a fine assortment of artificial wild flowers which are used very much in decorations.

The Red Bird Floral Co. has vacated its temporary store on Sixth street next to the Columbia theatre. The building will be torn down and remodeled.

By mutual agreement the five wholesale houses have decided to close at noon Saturdays from June 1 to October 1. This will prove a boon to the employees.

The Mullanphy Flower Co. and the Bentzen Floral Co. seem to be very busy. Their machines can be seen daily in all parts of the city.

O'Leary, the Florist, has installed a very handsome ice box in his new store. He makes a very neat and choice window display.

John Held has had a fine supply of geraniums. The plantmen have called on him heavily this season and he is still filling orders.

The Alexander Floral Co. is disposing of the most of the flowers it grows at the retail store on Locust street.

Fancy ferns are more plentiful now than usual at this season and are being sold cheaper than ever before.

The indoor sweet peas are coming now with short stems. These come in handy for funeral work.

Charles Connon is attending to business at his brother John Connon's place at Webster Grove.

Ostertag Bros. have been very busy during the past week with funeral work.

Grimm & Gorly had some large wedding orders during the past week.

Cape jasmines are in and will hold the fort for a week or ten days.

Outdoor roses are in and make quite an inroad on the regular stock.

Quite a number of Shasta and yellow daisies are on the market.

Peonies during the latter part of the week were very plentiful.

The Windler Wholesale Floral Co. is in with early asters.

Many of the Kirkwood growers are in with peonies. W. F.

Maywood, Ill.

Weiss & Meyer Co.'s new range is nearly completed and the proprietors expect to have the houses ready for planting next month. American Beauty roses will be grown. Mr. Meyer will have charge of the greenhouses and Mr. Weiss will manage the business.

Wm. Wichtendahl was fortunate in having a large crop of carnations for Memorial day. The weather was a

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

little against the crop but at that the flowers were of good quality and compared favorably with others seen in the Chicago market.

A. F. Amling has received his six-cylinder Franklin touring car, which is indeed a beauty. His manager, Mr. Collatz, has placed an order for a six-cylinder Studebaker.

Hugo Luedtke was discharged from jury service in the municipal court this week. He is at present cutting some fine snapdragons.

The stork visited the home of E. C. Amling, Jr., for the second time, the new arrival being a boy, the second in the family.

A. F. Amling and W. H. Amling and wives left last week for a visit with friends in Iowa.

Henry Wehrmann had a fine crop of sweet peas for Memorial day.

W. A. A.

Cleveland.

STOCK PLentiful.

Stock of all kinds has been in sufficient supply to meet all demands the past week. Pink and white Killarney roses are in fine shape, both as to color and large blooms, and will continue throughout the next few weeks. Local American Beauty roses are off crop, although enough short stemmed stock is arriving to meet all demands. Mrs. Aaron Ward and Richmond are in good demand and the quality is fine. Kaiserin, the peerless white rose for summer, is arriving in fine shape, and orders for quantity and quality are well taken care of. Carnations were almost a glut the middle of last week, but cleaned up by Saturday. Sweet peas are plentiful, some very fine butterfly varieties having first call. Retailers have a fine variety from which to make their selections, of which the following are a few: snapdragon, mignonette, calandula, canterbury bells, lupins, snowball, daisies, forget-me-nots, gladioli, peonies, orchids, narcissi, centaurea. It looks as if local peonies will miss us for Memorial day, but there will be enough of the Maryland and Southern peonies to meet all demands. String smilax was exceptionally scarce the last few weeks, and what there was to offer was short. The supply of greens is equal to the demand. A few calla lilies still arrive, while Easter lilies are quite plentiful. Cut pansies are hard to get as most greenhouse men are busy planting out and will not take the time to cut them. Lily of the valley is not overplentiful. A fine lot of hydrangeas in 8-inch pots sold out very quickly, also a lot of spirea, both pink and white, in smaller pots, sold exceptionally well. Potted lily of the valley was in for Mothers' day, but arrived a little late. It sold remarkably well, however, under the circumstances.

Kennicott Bros. Co.

Wholesale Cut Flowers
PEONIES

Extra select, \$5.00 to \$6.00 per 100.
Select, \$3.00 to \$4.00 per 100.

163-165 N. Wabash Av.
CHICAGO

L. D. Phone Central 466

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO
ROSES and CARNATIONS
Our Specialties.

HOERBER BROS.

Wholesale
Growers of **Cut Flowers**

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., CHICAGO

NOTES.

Frank Friedly's party, May 24, was a success, as are all of Frank's socials. A good time was had by all present, and it was in the early morning when the boys started to crank their machines for the homeward drive.

C. F. B.

LIMA, O.—A stranger appeared at a local flower shop, told of the death of his alleged niece, gave the florist a \$50 check for a \$10 design and left with the \$40 in change. The check proved to be worthless.

BLOOMINGTON, ILL.—Light frosts reported May 16 at various points in central Illinois resulted in losses to greenhousemen and gardeners. Young tomato plants were the principal sufferers, but much other garden truck was damaged.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Private Exchange to all Departments. Phone Central 7720.

CHICAGO

Everything in Cut Flowers and Supplies.

Gold Letters

1 1/4 inch.....45c per 100
1 ".....40c " "
3/4 ".....35c " "

Script Words.

2 1/2 cents each. All kinds in stock.
Gold or purple.

Magnolia Leaves.

Finest in the U. S. A. 90 cents per hamper, 10 lbs. Place orders now for Decoration Day at our prices, for they are moving like hot cakes.

Cycas Leaves.

12 inch.....\$2.25 per 100
16 ".....3.00 " "
20 ".....3.75 " "
24 ".....4.50 " "
32 ".....5.25 " "
36 ".....6.25 " "
44 ".....8.50 " "
48 ".....10.00 " "

We ship the smallest quantity at the same price. Above prices prevailed the last three years with us. If supply houses have charged you more and are now going down, it is because we are working the retail trade.

OAK SPRAYS, 20c per lb.

One pound of oak sprays is sufficient to make a 24-in. wreath. Make the wreath yourself and you can count 70 cents saved money.

American Importing Co.
219 Dearborn Street, Chicago

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

A DECORATION DAY WINNER

Natural prepared American Oak Wreaths, made from preserved and fireproof Oak Sprays in cherry red, golden brown and natural green. Two sizes, 18 and 24 inch. Sample of 24-inch wreath will be sent postpaid on receipt of 90c.

OSCAR LEISTNER, 17 North Franklin Street CHICAGO

Selling Agents for OVE GNATT Hammond, Ind.
Preparer of natural foliage.

Mention the American Florist when writing

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,

713-717 Milwaukee Ave., CHICAGO

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers at Lowest Market Prices.

30 E. Randolph St., CHICAGO

Mention the American Florist when writing

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, May 28.	Per doz.
Roses, Beauty, specials.....	\$4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 28-in.....	2 00
" " 15-20-in.....	1 25@ 1 50
" " 12-in.....	75
" " Short.....	Per 100
" Killarney.....	3 00@ 6 00
" White Killarney.....	4 00@ 10 00
" Richmond.....	4 00@ 10 00
" Prince de Bulgarie.....	4 00@ 12 00
" Radiance.....	4 00@ 12 00
" My Maryland.....	4 00@ 10 00
" Melody.....	4 00@ 12 00
" Mrs. Jardine.....	4 00@ 10 00
" Lady Hillingdon.....	4 00@ 12 00
" Sunburst.....	4 00@ 12 00
Carnations.....	2 00@ 5 00
Daisies.....	1 00@ 2 00
Cattleyas...per doz., 6 00 and up.	
Gardenias.....	2 00@ 4 00
Iris, Spanish.....	4 00@ 6 00
Lilium Harrisii.....	10 00@ 12 50
Peonies.....	4 00@ 6 00
Valley.....	3 00@ 4 00
Sweet Peas.....	75@ 1 50
Adiantum Croweanum.....	2 00
Boxwood.....per lb.,	25
Ferns.....per 1000, 2 00@ 2 50	
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy...per 1000, 5 00@ 6 00	
Plumous Strings...each, 50@ 60	
Smilax.....per doz., 2 00@ 2 50	
Sprengeri Plumous Sprays.....	3 00@ 4 00

We have a big supply of

Mexican Ivy

and a surplus of choice

MAGNOLIA LEAVES

AND PREPARED PALM LEAVES.

H. WITTBOLD

56 Randolph St., CHICAGO
Phone Randolph 4708

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond, Killarney and White Killarney roses. All orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing

Wietor Bros.

Wholesale **CUT FLOWERS**
Growers of

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

Chicago Carnation Co.

Wholesale Florists.

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

Mention the American Florist when writing



C.C. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
**Choice Cut Flowers
and Greens**

Green Sheet Moss

For lining hanging baskets, for decorating
show windows for covering soil on pot
plants, etc. 1 Bale (5 bundles).....\$1.25
5 bales (25 bundles)..... 6.00

GEO. H. ANGERMUELLER,
Wholesale Florist. ST. LOUIS, MO.

Philadelphia.

PEONY STOCK FINE.

Peonies are now the feature and all danger of their scarcity for Memorial day is over, as the cool weather of the past week retarded their flowering season and the big crop will come the week of the holiday when they are most in demand. The stock is very fine. Festiva Maxima is seen in large quantities and is of course one of the best sellers. There are quantities of roses, although American Beauty is not any too plentiful, all the other sorts are a trifle ahead of the demand. However, the special and better grades move well at fairly good prices. Carnations are notably smaller and in fair demand. Outdoor sweet peas are now coming in. The heavy rains of the past few days have hurt some, but the next few weeks should see some fine stock in this line. Snapdragon is still a factor. Gardenias grade much lower. Cattleyas are ahead of the demand. C. Gigas is seen in quantity. The flowers are fine. Calla lilies are about done. Good stock of the longiflorums find ready sale. Corn flower, especially the double, is in demand. Greens are about equal to the demand, except smilax, which is scarce at high prices.

NOTES.

Fairmount park is now a very beautiful spot. The hemlocks and the Colorado spruce are full of the new growths, the silvery points of which are as beautiful as flowers. The rhododendrons are at their best, being profusely covered with great heads of bloom. Most of these are planted to the south of the horticultural hall in a somewhat sheltered spot and have grown into plants eight to ten feet in height. They are planted in clumps of several colors each. One of the features of the rose garden is a long bed filled with a row of Gruss an Tepitz, which, covered with its brilliant red flowers, is the admiration of all visitors. The fancy bedding is in a transition state. The beds of pansies bordered with white English daisies have done well but are finished and are to be replaced with cactus in a week or so. The depressed plateau will soon be filled with fancy bedding.

At H. A. Dreer's there is a little respite from the extraordinary rush of the past six weeks. Their spring business has been phenomenal. In another week their trial rose grounds will be an interesting spot for the rose men. It contains the largest and finest collection of the newer sorts in this country.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, May 28.	Per 100
Roses, Beauty, extra.....	20 00@35 00
" first.....	10 00@15 00
" Brides and Maids.....	3 00@ 8 00
" Killarney.....	4 00@12 00
" White Killarney.....	4 00@12 00
" Liberty.....	4 00@12 00
Carnations.....	2 00@ 4 00
Cattleyas.....	35 00@50 00
Gardenias.....per doz. 1 00@ 2 00	
Lilium Harrisii.....	8 00@12 00
Lily of the Valley.....	3 00@ 5 00
Calla Lilies.....	10 00@12 00
Marguerites.....	75@ 1 00
Snapdragons.....	6 00@ 8 00
Sweet Peas.....	75@ 1 50
Peonies.....	6 00@ 8 00
Gladiolus.....	3 00@ 6 00
Asparagus.....per bunch, 50	

PITTSBURG, May 28.	Per 100
Roses, Beauty, special.....	50 00
" extra.....	30 00
" No. 1.....	15 00
" Killarney.....	3 00@10 00
" My Maryland.....	3 00@10 00
" Richmond.....	3 00@10 00
Carnations.....	3 00
Calla Lilies.....	12 00
Freerias.....	3 00
Gardenias.....	3 00
Daisies.....	2 00
Cattleyas.....	50 00
Violets.....	50@ 75
Sweet Peas.....	75@ 1 00
Lilium Longiflorum.....	12 00
Lilium Rubrum.....	8 00
Lily of the Valley.....	4 00
Daffodils.....	3 00
Tulips.....	3 00
Paper White.....	3 00
Romans.....	2 00
Poeticus Narcissus.....	1 00
Oncidiums.....	4 00
Lilac.....per bunch, \$1 00	
Asparagus Sprengeri, per bunch, 35@40	
Sprays.....per bunch, 35@40	

MILWAUKEE, May 28.	Per 100
Roses, Beauty, per doz. 3 00@4 00	
" White and Pink Killarney. 4 00@10 00	
" Richmond.....	4 00@10 00
Carnations.....	5 00@ 6 00
Easter Lilies.....	8 00@10 00
Lily of the Valley.....	4 00
Sweet Peas.....	75@ 1 50
Tulips.....	3 00@ 4 00
Daisies.....	75@ 1 00
Peonies.....	5 00@ 8 00
Asparagus.....per string, 50	
Sprengeri, per bunch, 35	
Ferns, fancy.....per 1000. \$2 00	

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,
142 North 13th St., PHILADELPHIA, PA.
Easter Lilies, Carnations, Sweet Peas,
all the popular roses. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES
C. A. KUEHN, Wholesale Florist.
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.
WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Supplies and Everything in Season always on hand

For June Weddings—Commencements

BEAUTIES—The largest and best supply in Philadelphia. **VALLEY**—Never without it: a fresh supply every day. **PEONIES**—White and pink, all good varieties. **SWEET PEAS**—We will be very strong on Peas during this month, and are offering you splendid values in this line.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by

Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

Edward Reid

WHOLESALE FLORIST,
1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

EVERYTHING SEASONABLE

THE McALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

U S Budlong's E Blue Ribbon Valley.

Mention the American Florist when writing

It is reported that Charles Henry Fox is to receive \$10,000 for his lease from the Ritz-Carlton hotel. The Weighman estate will in addition provide him with a new location on the property 221-223 South Broad street, a few doors below his present location.

The Joseph Heacock Co. reports a splendid season. A run on Scottii ferns was a feature the past week. A very fine stock of young kentias in various sizes are crowding the houses, and are being repotted as fast as room can be made for them.

B. Eschner of the M. Rice Co. is investigating the retail business of Europe and thinks that the leaders of the trade in this country suffer little by comparison. His early purchases are arriving.

Edward Reid, one of the first in this city to have an automobile for pleasure, but which was a great help to him in a business way, wore out his old one and now has another. It will be of great help.

American Beauties, tea roses and peonies are the features at the Niessen store. Great quantities of stock are turned out here in a day. Outdoor sweet peas are also a feature.

Berger Bros. are featuring peonies, roses, carnations and sweet peas. They are much pleased with the increase of the business the past season.

The Jersey laurel is now on the market. Branches of this in full flower are very decorative. It is largely used in store decorating.

K.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, May 28.		Per 100
Roses, Beauty, special	20 00@25 00	
" " fancy	15 00@20 00	
" " extra	10 00@15 00	
" " No. 1	7 00@10 00	
" " No. 2	3 00@5 00	
" Maid and Bride	3 00@6 00	
" Pink Killarney	3 00@8 00	
" White Killarney	3 00@8 00	
" Richmond	3 00@10 00	
" My Maryland	3 00@8 00	
" Aaron Ward	4 00@6 00	
" Kaiserin	4 00@8 00	
" Carnot	4 00@8 00	
Snappdragon	4 00@6 00	
Tulips	1 00@2 00	
Swainsona	75@1 00	
Carnations	2 00@3 00	
Lilium Longiflorum	10 00@12 00	
Lily of the Valley	3 00@4 00	
Pink Japan Lily	3 00@5 00	
Jonquils, outdoor	1 00@1 50	
Mignonette	2 00@4 00	
Daisies	1 00@1 50	
Sweet Peas	40@1 00	
Asparagus, per bunch	35@ 50	
Asparagus, Sprenger	35@ 50	
Ferns	per 1000, \$2 50	

BOSTON, May 28.		Per 100
Roses, Beauty, best	20 00@25 00	
" " medium	12 00@20 00	
" " culls	4 00	
" White and Pink Killarney	8 00	
" Special	8 00	
" White and Pink Killarney	8 00	
" Extra	4 00@6 00	
" Killarney Queen Special	8 00@10 00	
" Mrs. Chas. Russell	10 00@12 00	
" Taft	4 00@10 00	
" Cardinal	2 00@10 00	
" Ward and Hillingdon	2 00@8 00	
" Richmond	2 00@8 00	
" My Maryland	2 00@8 00	
Carnations, select	3 00@4 00	
Callas	8 00@12 00	
Cattleyas	25 00@40 00	
Gardenias	12 00@25 00	
Lilium Longiflorum	6 00@8 00	
Lily of the Valley	2 00@3 00	
Sweet Peas	50@ 75	
Daisies, Marguerites, per doz.	1 00@2 00	

CINCINNATI, May 28.		Per 100
Roses, Beauty	per doz., \$1 00@3 00	
" " Bride, Bridesmaid	3 00@8 00	
" " Killarney	3 00@8 00	
" " My Maryland	3 00@8 00	
" " Perle	3 00@8 00	
" " Richmond	3 00@8 00	
" " Taft	3 00@8 00	
Carnations	2 00@3 00	
Lilium Gigantum	8 00@12 50	
Lily of the Valley	3 00@4 00	
Sweet Peas	35@1 00	
Peonies	3 00@6 00	
Cape Jasmine	1 00@2 00	
German Iris	1 00@3 00	
Asparagus Plumosus	per bunch, 25	
Snappdragon	4 00@6 00	



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Roses, Carnations and all kinds of Seasonable Flowers in Stock.

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BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

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Wholesale Commission Florist
Consignments Solicited
Complete Stock of Florists' Greens and Supplies

ST. LOUIS, May 28.		Per 100
Roses, Beauty, long	per doz., 3 00	
Roses, Beauty, medium	8 00@15 00	
Roses, Beauty, short stems	3 00@5 00	
" Killarney	3 00@5 00	
" My Maryland	3 00@5 00	
" White Killarney	3 00@5 00	
Carnations	1 00@2 00	
Lilium Rubrum	8 00	
Valley	4 00	
Sweet Peas	20@ 60	
Asparagus Sprenger	2 00@3 00	
Asparagus Plumosus, per bu.	35@60	
Ferns, New, Fancy	2 00	
Galax	per 1000, 1.25	

Poehlmann Bros. Co.

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Long Distance Phone
Randolph 35

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E. H. HUNT'S Entire force of Wire **POEHLMANN'S**
Workers are now with

Which places us in the foremost ranks to handle and execute large orders promptly and make up special work on short notice.

— BASKETS —

For Commencements and Weddings.

Also Tumbler Baskets and Plateaux.

Price—right stock, new assortment selected for your approval, \$5.00 and up.

American Oak Sprays, per pound, 30 cents. **Special Sale of Three Stripe Chiffon**, the very best quality, 4-inch, 2½ cents; 6-inch, 3½ cents; 10-inch, 6½ cents.

30 PER CENT DISCOUNT ON WIRE GOODS THIS WEEK ONLY.

Cape Flowers, Ruscus, Magnolia Leaves, Wheat Sheaves.

Cut flower boxes, Corrugated Boxes and Oak Wreaths for Memorial Day.

A trial order will convince you that we can deliver the goods.

The Ohio Horticultural Society and The American Peony Society

JOINT EXHIBITION

GRAYS ARMORY CLEVELAND JUNE 12-13-14-1913

Premium List for the Asking.

JOHN N. STOCKWELL, Sec'y, - Room 218, City Hall, CLEVELAND, OHIO

New York.

BUSINESS FAIR FOR SEASON.

While there is more or less complaint of dullness, business is as good as it can be expected to be at this season and is well up to the average of the past few years. Stock is comparatively cheap, but that is to be expected. Practically every stock is in abundant supply and considering the fact that many good customers of the retail stores have gone abroad, it is almost surprising that stock moves as freely as it does, even at low prices. Peonies are now much in evidence and some good stock is arriving, though there is much that is of inferior quality. Gladioli are also a noteworthy feature. There is a variety of other stock on the market from garden, field and wood, which sells cheap, but adds col-

or to the great collection. While there will be considerable Memorial day business, this city is not noted for lavish expenditure on that day, much of the business being done by florists in the outlying towns near the large cemeteries.

Monday, May 26.—The supply of stock is not heavy, but there is enough to fill the demand. In roses and carnations much poor stock is arriving, the mildew having attacked many of the roses. As we have frequently stated, strictly first-class stock always commands a price. There are Killarney and other tea roses that are selling at \$10.00 for one hundred and upward, but not many. There is considerable outdoor lily of the valley in the market which is hard to move at \$1.00 to \$1.50 a hundred. The greenhouse stock is generally disposed of at

\$3.00 a hundred. Fine stock of peonies is now coming in, but prices do not soar. The leading idea now is to keep stock moving.

NOTES.

The Lord & Burnham Co., having outgrown its old quarters at 1133 Broadway, is now located in the new Forty-Second Street building, at 30 East Forty-Second street, opposite the Grand Central station. This building is one of the many new skyscrapers that have recently been erected, it being 21 stories high. The Lord & Burnham Co. has very commodious, well furnished and well equipped offices and drafting rooms. W. R. Cobb, architect for this firm, has recently prepared plans, which we have been permitted to see, for a new store and conservatory for F. R. Pierson, Tarrytown, N. Y. The plans show that when com-

M. RICE CO.

LEADING FLORISTS' SUPPLY AND RIBBON HOUSE.

We close at 5 P. M. on Week Days, 1 P. M. Saturdays
During June, July and August and on Saturday, May 31st.

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Asstd. sizes, Medium and Large,
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Also
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Remedies
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AUBURNDAL GOLDFISH CO.

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Wholesale and Retail Dealers

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Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
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Sphagnum Moss Headquarters

Full Size Bales Clean Stock
New Burlap

TRY A SAMPLE ORDER AND COMPARE WITH WHAT YOU ARE GETTING

Vaughan's Seed Store,
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Do Not Take Any Fake Green Thread. Use the
Genuine Silkline and Get More Thread
and Less Wood.

The MEYER Green

SILKALINE

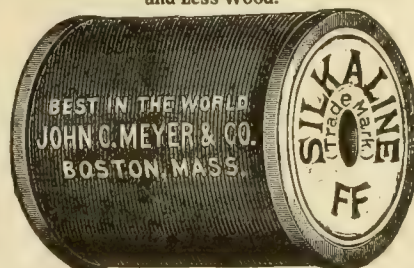
Used by Retail Florists for mossing funeral
designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it
will not fade or rot in the greenhouse. The Meyer
Silkline was the first green thread to be introduced
among Florists and Growers. It is handled by the
best houses everywhere, but it should be ordered by
name—Meyer's Silkline—to be sure of getting the
genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the
manufacturers. Price for any size or color, \$1.25 per
lb. Sizes "F" fine, "FF" medium, and "FFF" coarse

Lowell Thread Mills,
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JOHN C. MEYER THREAD CO.,

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes

Budlong's Blue Ribbon Valley.

Lancaster County Florists' Club.

At the regular meeting of this club we had for an essay a paper by — Beyer of La Park, on bedding plants and their culture. The subjects he enumerated were as follows: abutilons, ageratum, alternantheras, browallias, begonias, caladiums, coleus, fuchsias, geraniums, lantanas, lobelias, pansies, petunias, salvias, verbenas, vincas, antirrhinums, asters, alysum, chrysanthemums, dahlias, heliotropes and others. The paper was well received and afterward Rudolph Nagle gave a very interesting talk on his experiences in southern France. A representative of the H. F. Michel Co., Philadelphia, was with us and expressed surprise at the number of members present at the meeting (over forty out of a membership of a few over fifty), and told us of the good times that are coming.

The picnic committee reported having made arrangements to picnic at Hershey, where there is a picnic park of over two miles in length with all the requisites for a good time, and as we will be partly the guests of — Hershey and taken through his estate and the chocolate works it will be quite an affair. Any florist between the Arctic circle and the Antarctic snow-capped hills is welcome to come with us July 14 or 15, date to be announced later. The president appointed Harry Rhorer, Chas. B. Herr, Jacob Flear and others as a serving committee and refreshments were served and a general social time indulged in.

ALBERT M. HERR.



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
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Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

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We have a surplus of 12 barrel bale New Jersey Moss, clean, fresh and burlapped, and will deliver anywhere in Chicago, express prepaid, at \$5.00 per bale, 2 or more bales at \$4.75. By freight collect at 25c per bale less. Satisfaction guaranteed or money refunded.

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Send for our new catalogue.

New Crop Fancy and Dagger Ferns Huckleberry Foliage now ready.

Price, Huckleberry, \$2.00 per case; Fancy Ferns,
\$1.25 per 1000; Dagger Ferns, \$1.10 per 1000.

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Everything in Southern Evergreens
EVERGREEN, ALABAMA.

HUCKLEBERRY FOLIAGE \$2.00 per case

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Perpetuated and Natural Sheet Moss.

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Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

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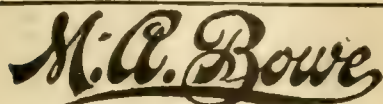


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Largest and most centrally located store in the
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Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

June 1.

FROM MONTREAL, Sicilian, Allan.

June 3.

FROM BOSTON, Arabic, White Star, 9 a. m.
FROM MONTREAL, Teutonic, White Star-Dom.
Moltke, Ham.-Amer., 8:30 a. m.

Pettsdam, Holland-America, 10 a. m.
Kronprinz Wilhelm, North Ger.-Lloyd, 10 a. m.
Mayaro, Trinidad, Pier 24, Brooklyn.

June 4.

Philadelphia, Red "D" Line, 12 noon.

June 5.

FROM MONTREAL, Victorian, Allan.

Cedric, White Star, 12 noon.

France, French, Pier 57, North River.

Campenello, Uranium.

President Grant, Ham.-Amer., 9 a. m.

Friedrich der Grosse, North Ger.-Lloyd, 10 a. m.

Hellig Olav, Scand.-Amer., 2 p. m.

Star of Scotland, Norton.

Pilar de Larrinaga, Barber.

June 6.

FROM PHILADELPHIA, Marquette, Red Star.

10 a. m.

June 7.

FROM MONTREAL, Grampian, Allan.

California, Anchor, 10 a. m., Pier 61, North River.

Kronland, Red Star, 10 a. m., Pier 61, North River.

Caronia, Cunard.

FROM MONTREAL, Athenia, Donaldson, at daylight

Cleveland, Ham.-Amer., 11 a. m.

FROM BOSTON, Cincinnati, Ham.-Amer.

Oceanian, Austro-American, 1 p. m.

Caoma, Porto Rico.

Oruba, Royal Mail.

Alexander McConnell,

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any part of the United States, Canada
and all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

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from unknown correspondents.

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Montreal



Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

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To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater
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stock in the market.

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The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for
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Mail, Telephone and Telegraph orders filled
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Established 1874.

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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

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We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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Atlanta Floral Co., Atlanta, Ga.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
California Florists, Tacoma, Wash.
Carbone, Philip L., Boston.
Clark's Sons, New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
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Lehorious, J. J., Duluth, Minn.
Lehorious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthewson, J. E., Sheboygan, Wis.
May & Co., L. L., St. Paul, Minn.
McClunle, Geo. G., Hartford, Conn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Nicholas, John S., New York.
Ostertag Bros., St. Louis.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pellicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Phillips Bros., Newark, N. J.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Portland Flower Store, Portland, Me.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
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Schling, Max, 22 W. 59th St., New York.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
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Boston—Penn. the Florist, 43 Bromfield St.
Boston—Phillip L. Carbone.
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Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
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Chicago—Mangel, 17 E. Monroe St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
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Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
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New York—Max Schling, 22 W. 59th St.
New York—John S. Nicholas.
New York—Young and Nugent.
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of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.**Ostertag Bros.**The Largest Retail Supply House in the West.
Jefferson and Washington Ave.

Albany, N. Y.

EYES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET

Toronto, Can.

Canada's best known and most reliable florist

**Only
the
Best
Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.Will take proper
care of your orders in **Wisconsin**

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

ST. LOUIS, MO.

ORDERS TAKEN FOR

FLOWERS

DELIVERED TO ALL PARTS OF THE COUNTRY.
SPECIAL CARE, SELECT AND ARTISTIC WORK.

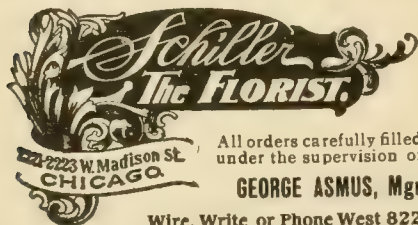
F. H. Weber

Member of Florists' Telegraph Delivery

Boyle and Maryland Ave.

Both Long Distance
Phones.

Send your orders for Chicago and Suburbs to

All orders carefully filled
under the supervision of

GEORGE ASMUS, Mgr

Wire, Write or Phone West 822

Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts
of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heint)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Mention the American Florist when writing

Seattle, Wash.

L.W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for
Alaska, Washington and Oregon.

Kansas City, Mo.

**Geo. M. Kellogg
Flower & Plant Co.**

1122 Grand Ave.

Kansas City and

Pleasant Hill, Mo.

Will fill all orders for Cut
Flowers, Funeral Designs,
Wedding and Birthday Gift,
that may be entrusted to them

Louisville, Ky.

**F. Walker & Co.,
FLORISTS**

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

Omaha, Neb.

**Hess & Swoboda
FLORISTS,**

1415 Farnum St.

TELEPHONES
1501 and L 1582

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries
throughout the state and to all steamship docks in
Hoboken, N. J., and New York.

For Wisconsin Delivery

—OF—

"HOME GROWN FLOWERS"

Get in touch with

J. E. Matthewson
SHEBOYGAN, WISCONSIN**Newark, Ohio.**

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Nashville, Tenn.

**Geny Bros. LEADING
FLORISTS**

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave
Phone 5297 Plaza.

Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

In the Heart of New York
NEW FLOWER AND FRUIT STORE
JOHN S. NICHOLAS
42nd St. and Park Avenue
Grand Central Terminal
New York City

The Old Established High Class Florist

Has opened a magnificent flower and fruit es-
tablishment on the Forty-second street side of the
New Grand Central Terminal Station, New York
City. The facilities of this store for the satisfac-
tory execution of mail, telephone and telegraphic
trade orders at steamers, and elsewhere in New
York City and its suburbs are unsurpassed.

Boston, Mass.

Philip L. Carbone

IMPORTER

Florist and Decorator

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

PHILIPS BROS, 938 Broad St.**NEWARK N. J.**Artistic Floral Work and Long Stem
Beauties Our Specialty.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc
229 WEST THIRD STREET.**New Orleans—****CUT FLOWERS**Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
CANAL ST.

Sedalia, Missouri

Archias Floral Co.Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone
orders.

Tacoma, Wash.

California Florists

will take care of all telegraphic orders

Michigan.

Orders will be carefully
cared for by**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan

Special Wholesale Price List of Boxwoods AND Bay Trees

Palms and Other Choice Decorative Stock.

All this stock is of exceptionally fine quality and a big bargain at the prices quoted. Make up your order from this list and you will never have any trouble with dissatisfied customers. Stock up now for future sales.

Boxwoods.

Pyramids—	Each
2 to 2½ feet.....	\$1.25
2½ to 3 feet.....	1.75
3 to 3½ feet.....	2.50
3½ to 4 feet.....	3.00
4 to 4½ feet.....	4.25
4½ to 5 feet.....	5.00

Standards—

15 to 18-inch.....	\$2.25
18 to 21-inch.....	2.75
21 to 24-inch.....	3.50

Obelisk, 5-ft.....	Each, \$12.00
--------------------	---------------

Globe Shaped—

12-15-inch.....	Each, \$2.00 to 2.50
2-ft.....	3.00 to 5.00

Bushes, 12-in.....	.30
2 to 2½ ft.....	1.50

MISCELLANEOUS

Aucuba, large.....	Each, \$3.00 to \$3.50
Aucuba Japonica, 2-ft.....	1.00
Aucuba Type, 2-ft.....	1.00
Conifers, assorted, 18-24 in.....	1.00
3-3½-ft.....	1.50

Araucaria Excelsa—	Each	Doz.
6-in., 4-5 tiers.....	\$1.00	\$12.00
7-in., 4-5 tiers.....	1.50	18.00

Areca Lutescens—	Per 100
3-in., 3 plants in a pot.....	2.00
6 in.....	1.50

Asparagus Plumosus—	Per 100
2-in.....	3.00
3-in.....	6.00
4-in.....	1.50
Asparagus Sprengeri, 3 in.....	.75



Bay Trees—Standard

Stem	Crown	Each
12-14-inch.....	18 in.....	\$4.00
2-ft.....	12 in.....	\$4.00
2-ft.....	18 in.....	5.00
1-ft.....	24-26 in.....	6.00
3-ft.....	20-22 in.....	7.00
2 ft. 4-in.....	24-26 in.....	7.00
3-ft.....	26 in.....	7.00
4-ft.....	26 to 28 in.....	9.00
4-ft.....	3-ft-6 in. to 3-ft-10 in.....	15.00

PYRAMIDS

5-ft. high.....	\$ 8.00	6-ft. high.....	\$12.00
7-ft. high.....	15.00	9 ft. high.....	20.30

PHOENIX ROEBELENI

	Each	Doz.	Per 100
2½-inch.....		\$ 2.00	\$15.00
3-inch.....		3.00	
4-inch.....		\$0.50	6.00
6-inch.....		12.00	
6-inch, strong.....		18.00	
7-inch.....		\$2.50 and 3.00	

Specimens, 7 in. extra strong.....	4.00 each.
8 in. extra strong.....	5.00 each.

PHOENIX RECLINATA

	Each	Doz.
5-in.....		\$ 6.00
6-in.....		\$0.75
7-in., 24 in. high.....		12.00

WANTED

BOSTON FERNS, any size.

Send samples or write and tell us what you have. Do it Now.



DRACAENA INDIVISA

2-in., \$3.00 per 100; 3-in., \$5.00 per 100; 4-in., \$12.00 per 100; 5-in., \$3.00 per dozen, \$20.00 per 100; 6-in., \$5.00 per doz. 8-in., 3-ft. high, \$1.00 to \$1.50 each.

Bedding Stock.

	Per 100
Geraniums, any variety.....	\$10.00
Vinca Variegata, 4-in.,.....	15.00
English Ivy, 4-in.,.....	15.00
Salvias, 4-in.,.....	10.00
Nasturtiums, 3-in.,.....	6.00
Petunias, 3-in.,.....	6.00
Marguerites, white, large, 4-in.,.....	15.00



The Geo. Wittbold Co. —L. D. PHONE, GRACELAND 1112— **737-39 Buckingham Pl. Chicago**

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

PHILADELPHIA, PA.—W. Atlee Burpee expects to leave for California this week.

NEW YORK.—Manager Scott of the Yokohama Nursery Co. is fishing in Texas.

A. W. ANNANDALE, of the Steele, Briggs Co., Ltd., Toronto, Ont., and wife, will sail for Europe via Montreal early in June.

CHICAGO.—Prices on the Board of Trade May 28 for grass seed were noted as follows: Timothy, \$3.50 to \$4.50 per 100 pounds.

MINNEAPOLIS, MINN.—C. C. Massie of Northrup, King & Co., is making a trip to the Pacific Coast. J. E. Northrup's condition is reported as showing improvement.

SAN FRANCISCO, CALIF.—C. C. Morse & Co. say their retail business the past season was fair only. Their wholesale business was affected very much by the continued drought which they claim is one of the most disastrous the central part of the state has ever known.

NEW YORK.—The protest of Henry & Lee et al. that importation of calla "bulbs" should be made free of duty, as they are not bulbs but corms, has been overruled. The government holds that while, strictly speaking, the so-called "solid bulb" is a corm, there is no exact line of demarcation between the two, and the cases at issue were provided for specifically by law, which refers to the commodity as "calla bulbs."

VAUGHAN'S SEED STORE, Chicago, reports: "In general, we may say that as far as gross trade is concerned, the year's business has run considerably behind last year, mainly due, of course, to the lower prices which prevail all through the list which we carry. In general, too, the original costs are higher than last season, so while we consider the year very satisfactory, in view of the conditions we hardly look for it to be up to 1912, though 1913 business thus far shows considerable gain over 1911."

California Seed Trade Association.

The California Seed Trade Association called a special meeting at Los Angeles May 20 at which an unusually large number of members were present. Renewed interest in the trade was aroused. The association was formed a couple of years ago as a local organization at Los Angeles, but has grown until practically all the growers and dealers in the state have found it to their advantage to become members. The officers of the association are: A. E. Aggeler, president; Theo. Payne, vice-president; M. L. Germain, treasurer; D. F. Reichard, secretary.

W. ATLEE BURPEE says this year's business has resulted in more orders, but the orders have averaged less in amount than a year ago. This reduced value of orders is due to two things, lower prices and less demand for large quantities of several important seeds for market gardens, notably cabbage and onion.

French Bulbs.

Regarding the French bulb situation an inspired publication says May 8: "At the close of the general meeting, which took place Tuesday, May 6, to fix the price of Roman hyacinths, the growers decided that in view of the poor crop and that offers of 110 francs have been made to the union, they would fix the price at 115 francs per 1,000 for the 12-centimeter and up, and 80 francs for the 11-centimeter. A certain number of members have sold."

"The union of growers urged their colleagues who are growers of this article but who do not belong to any syndicate to rally to their union, as the union always obtains the highest prices and is able to render important services in the future."

American Seed Trade Association.

The thirty-first annual convention of the American Seed Trade Association will be held in Cleveland, O., June 24-26, 1913, with headquarters at the new Hotel Statler, the convention to begin at 10 o'clock Tuesday, June 24, as shown in the program which follows. If engaged in advance accommodations will be reserved at the Statler at the following rates: European plan, sixty rooms at \$2 a day for one person, \$3.50 for two; fifty rooms at \$2.50 a day for one, \$4.50 for two; one hundred rooms at \$4, \$4.50 and \$5 a day for one person, with \$1.50 a day additional for second person in room.

As the Statler is Cleveland's newest hotel it is nearly always full and for this reason it is urged that rooms

be engaged as early as possible. A cordial invitation has been tendered to the members by the Storrs & Harrison Co. to be their guests Thursday afternoon to inspect their nurseries and greenhouses at Painesville. As this is one of the largest nurseries in the country there will be much of interest to any one in the trade. Several interesting reports are due at this convention and the president hopes that a full representation will be present.

C. E. KENDEL, Sec'y.

ORDER OF BUSINESS.

Reports of the Secretary and Treasurer.

Election of Members.

Reports of Committees.

Reading of Communications.

Unfinished Business.

New Business.

General Discussions.

Annual Election and Installation of Officers.

EXECUTIVE SESSIONS.

Are Standards of Purity Practicable in State Seed Laws? George S. Green (Illinois Seed Co.), Chicago.

Discussion—Seeds Grown Under Irrigation. Led by J. C. Robinson, Waterloo, Neb.

What the American Seed Trade Has Accomplished. Albert McCullough (J. M. McCullough's Sons Co.), Cincinnati, O.

Cost and Overhead Expense. L. B. McCausland (Ross Bros.), Wichita, Kan.

Intensified Farming. James J. Hill (formerly President Great Northern Ry.), St. Paul, Minn.

WEDNESDAY EVENING.

Educative and Civic Influence of School Garden Work. Miss Louise Klein Miller, Curator Cleveland School Gardens (Illustrated with Stereopticon.)

SOCIAL FEATURES.

Tuesday Evening—President's Reception.

Wednesday Evening—Annual Banquet.

Thursday Afternoon—Trolley Ride out Euclid Avenue to Storrs & Harrison Co.'s Nurseries, Painesville, Ohio.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE.

Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

PEAS, BEANS, CUCUMBER

Growers for the Trade.

Ask for our growing prices for crop 1913
Peas, Beans and Cucumber Seed.

Also for prices for immediate shipment.

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.



BRASLAN SEED GROWERS CO., Inc.
SAN JOSE, CALIFORNIA

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers

SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS

Francesco Bulleri

Purveyor to the Royal family of Italy.
SCAFATI (near Pompei) ITALY.

NOVELTY FLOWER SEEDS—BULB AND PLANT PRODUCTIONS.

PETUNIA, PANSY, CINERARIA, and a great variety of other seeds. Write for price list and send orders to V. SHAKETANO, 50 West 30th Street, NEW YORK, agent and representative for the United States.

Mention the American Florist when writing

BURPEE'S SEEDS**PHILADELPHIA**

Wholesale Price List for Florists
and Market Gardeners.

Mention the American Florist when writing

GLADIOLI

Blanche, Ceres, Mrs. Beecher,
Columbia, May, Mrs. W. N. Bird,
Brenchleyensis, Shakespeare.
Lilies, Madeira Vines and other
Bulbs and Hardy Plants.

E. S. MILLER, WADING RIVER, N. Y.

Mention the American Florist when writing

Parcel Post and the Seed Trade.

ED. AMERICAN FLORIST:—

We are enclosing herewith an extract from a letter sent us by one of our customers. We are receiving many such letters each day, and we think that perhaps it would be well to publish this in your paper previous to the time of the seedsmen's convention. It is likely that some discussion of the parcel post matter will come up at the convention, as many of the members feel that the present arrangements of the parcel post system in regard to the seed trade are not satisfactory. The extract from the letter we received is as follows:

"Incidentally it seems to us that the seed and florist trade should protest against the unjust discrimination of the parcel post under present rulings. For instance, a customer wrote for seed sweet potatoes by parcel post. Had he applied to the grocery across the street from us, they could have been delivered by the rural carrier right to his door for 29 cents. But they were "seeds, roots, bulbs or tubers for planting," and would require 71 or 72 cents to go by parcel post. The express company carried them for 25 cents. Should one of our customers require eleven pounds of alfalfa to feed to his canary, it could go to any point reached by our carrier for 15 cents, or any point within 50 miles for 35 cents. But if this customer intends to plant the seed instead of feeding his "bird" it would cost him 88 cents to send either to any one on a route from this office or to the remotest corner of the United States. It is certainly a great system, but who can call it just, fair or right?"

Chicago. LEONARD SEED CO.

JOHN LEWIS CHILDS, Floral Park, N. Y., who recently returned from California, says: "The prospect for seed crops in California this season is the worst on record. With very few exceptions everything will be exceedingly short and many items a total failure. The harvest of sweet peas in particular will be very small indeed."

BEANS, PEAS, RADISH

and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE

Write for Prices.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

Mention the American Florist when writing

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of
High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Mention the American Florist when writing

Western Seed & Irrigation Co.

Wholesale Seed Growers and Dealers

SPECIALTIES:

Sweet, Flint and Dent Corn; Cucumber,
Musk and Watermelon; Pumpkin and
Squash.

FREMONT : NEBRASKA

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower.

Specialties: Lettuce, Onion, Sweet Peas, Aster
Cosmos, Mignonette, Verbena in variety.
Correspondence Solicited.

ROSES, CARNATIONS,

PLANTS, SEED, BULBS.

Send us your wants. We will take care of them.
We supply stock at market price. Catalogue for
the asking.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA

Mention the American Florist when writing

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

QUALITY SEED BULBS PLANTS

SEND FOR CATALOGUE

ARTHUR T. BODDINGTON

342 West 14th St., New York.

Mention the American Florist when writing

Here is Your Chance**Tuberoses**

First class bulbs, 4 to 6-in., 75c per
100; \$7.00 per 1000.

Bedding Plants

Extra fine stock at reasonable prices.

Flower and Vegetable Seeds

For early summer planting.

Let us have your order.

James Vick's Sons
ROCHESTER, N. Y.

Lily of the Valley Pips

WE have on hand a few cases of Lily
of the Valley Pips, (3000 to case)
Berlin and Hamburg, which we offer at
\$32.00 Per Case (of 3000).

J. M. Thorburn & Co.

53 Barclay St.

New York

DAMMANN & CO.,

Seed Merchants to His Majesty the King of Italy

SAN GIOVANNI A TEDUCCIO, near Naples

Headquarters for **CAULIFLOWER** and **WHITE**

TRIPOLI ONION SEED, (Crystal Wax) and
all other **VEGETABLE** and **FLOWER SEEDS**

THE LARGEST GROWERS IN ITALY.

Established 1877.

Wholesale Catalogue in English, (containing also
all Italian specialties). **Special Offers** and
Italian Catalogue on application.

Mention the American Florist when writing

ROEMER'S Superb Prize PANSIES

The finest strain of Pansies in the
World. Introducer and Grower of all
the leading Novelties. Highest Award
International Exhibition, Dusseldorf,
1905. Catalogue free on application.

FRED. ROEMER,

Seed Grower,
Quedlinberg, Germany

Freesia Bulbs

No. 1, 4½ inch and up.....\$5.50 per 1000
No. 2, 3½-inch and up.....3.50 per 1000
June delivery—Orders filled in rotation.

F. O. B. Los Angeles.

MORRIS & SNOW SEED CO.

425 South Main St., Los Angeles, Cal.

Florists' Fertilizers

Conducted by F. W. Muncie, Department
of Floriculture, University of Illinois.

Fertilizers and Manures.

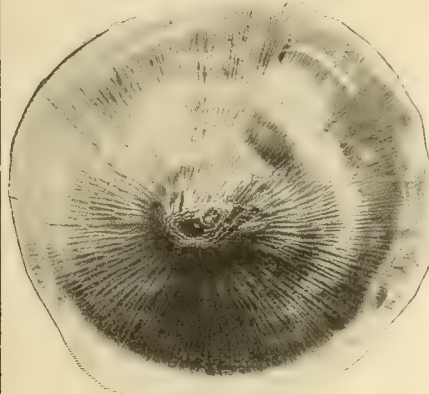
At this time of the year, information in regard to fertilizers and manures is especially helpful, and inquiries in regard to them are solicited. Queries should be signed by the persons or firms requesting the information (whose initials will be published) as a sign of good faith and in case a personal answer is desired, a stamped, addressed envelope should be enclosed. No inquiries in regard to specific commercial brands can be answered, however. All inquiries should be addressed to THE AMERICAN FLORIST, 440 South Dearborn street, Chicago. Some of the subjects to be treated in this department at an early date are "Soil Types," "Acid Soils," "The Use of Lime," "Loss from Manure by Leaching," "Composting of Manure and Phosphates," "Liquid Manure," etc.

The Fragrant Shield Fern.

I had another gala day this season, when with the help of a friend I found the last of our New England ferns—*Dryopteris fragrans*. I have spent a good many hours among our cliffs during these ten years past, hunting for this little fellow, and had given up expecting to find it. Several times I had thought it found but it would prove to be only the *Woodisia ilvensis*. There could be no possible question this time as to its identity. It was away up on the bare dry face of a cliff, far out of reach except by some sort of a ladder. But it was so unlike any other species, with its dry, curling snuff-colored fronds of last year that I knew it was the one I wanted. We found more of it later that was accessible. I think that the professors who have written our descriptions of it have never found it for themselves. Its chief characteristics are: First, that peculiar appearance of the old fronds; you could not curl them more gracefully than they appear, drooping over the edge of rocks. Second, the glutinous fronds; they cannot be taken from the paper until they are dry and grass and leaves adhere to them. Third, its peculiar fragrance. Gray says "aromatic"; that doesn't half tell the story. I gathered a clump of it on the cliffs and dropped it down in my handkerchief and the perfume lasted for days. I think it is like new mown hay composed largely of sweet briar rose leaves. It grows on the dryest cliff sides, where everything else would be scorched by the sun's heat; not "especially near waterfalls" as Gray's Manual says. Look for a place where there is a bare cliff, overhanging a little, perhaps, so that the rain cannot reach it and up above all the trees so that it can have no shade at all and if you find a fern there, test it by its perfume, its stickiness and its beautiful brown curls.—James A. Bates, in Linnean Fern Bulletin.

PALOUSE, WASH.—The Draper Club of this city announces a flower show for September 6.

Closing Out Spring Bulbs



AMERICA.

LILY BULBS

	Per 100
Album, 9-11 inch.....	\$12.50
Rubrum, 8-9 inch.....	6.00
Rubrum, 9-11 inch.....	9.00

CALADIUMS

	Per 100	Per 1000
5 to 7 inch.....	\$1.80	\$15.00
7 to 9 inch.....	3.50	30.00

Plant now in any spare ground you have; they will make you money all summer.

Of several leading kinds we can supply planting stock, white bulbs under one inch and small black bullets by the bushel. Per 1000

MRS. FRANCIS KING,

Medium size.....	\$15.00
AMERICA, First Size.....	20.00
KUNDERDI GLORY, Firsts.....	40.00
CHICAGO WHITE.....	50.00
SHAKESPEARE.....	38.00
FLORISTS' MIXTURE, (Light Colors).....	15.00
BRENCHLEYENSIS.....	12.00
SCARLET AND RED SHADES.....	11.00
PINK SHADES.....	13.50

BEGONIAS

(Tuberous Rooted Giant Flowering Varieties)

Singles, in Colors, white, scarlet, yellow, pink, Doz. 40c.; 100, \$2.50; 1000, \$22.00.	
Singles, Mixed Colors, Doz. 35c; 100, \$2.25; 1000, \$20.00.	
Doubles, white, scarlet, pink, Doz. 65c; 100, \$4.50; 1000, \$40.00.	
Doubles, Mixed Colors, Doz. 60c; 100, \$4.00; 1000, \$37.00.	

Cold Storage Stock.

Lilium Giganteum

	Per Case
9-10 inch (200 bulbs to case).....	\$17.00

Lilium Rubrum

	Per Case
8-9 inch (170 bulbs to case).....	\$10.00
9-11 inch (100 bulbs to case).....	8.00

Vaughan's Seed Store, CHICAGO, NEW YORK

Greenhouses and Nurseries, Western Springs, Ill.

Alternanthera

	Per 100
Yellow, 2¼-in. pots.....	\$ 2 00
PRIMROSES, ready in July.....	2 00
ASP. PLUMOSUS, 2¼-in. pots, June 10.....	00
ASP. SPRENGERI, May 10.....	2 00
CASH.	

CANNAS

	Per 100
CANNAS, 8 varieties, 3x4-in. pots.....	\$4 00
GERANIUMS, my selection....	5 00
PANDANUS VEITCHII, \$1.00 ea.	
SALVIAS, May 1st.....	2 50

JOS. H. CUNNINGHAM, Delaware, Ohio

SPRING BEDDING AND BASKET PLANTS

Asparagus Sprengeri, 2½-in., \$3.00 per 100, \$25.00 per 1000.
Centaura Gymnocarpa (Dusty Miller), \$3.00 per 100.
Geranium, Mad. Salleri, \$2.50 per 100.
Ivy, English, 4-in., strong, \$12.00 per 100.
Lobelia Speciosa and Compacta, \$2.50 per 100.
Petunia, Giant Ruffled, \$2.50 per 100.
Salvia, Bonfire, King of Carpets and Zurich, \$2.50 per 100.
Vinca Variegata, 3-in., \$6.00 per 100.

The Storrs & Harrison Co., Painesville, Ohio

Potted Roses

SELECT TWO-YEAR OLD PLANTS

Get them at Dreer's

All Strong 5 and 6-Inch Pots and Plants of a Quality
That Will Please Your Retail Customers.

HYBRID TEA ROSES. Novelties and Recent Introductions.

Each	Each	Each	Each
Arthur R. Goodwin..... \$0 50	Florence Haswell Veitch.... \$1 00	Mabel Drew..... \$1 00	Mrs. Muir MacKean..... \$2 00
Cynthia Ford..... 50	George C. Waud..... 35	Mary Countess of Ilchester... 50	Mrs. Samuel Ross..... 2 00
Chateau de Clos Vougeot... 50	Instituteur Sirdav..... 50	May Kenyon Slaney..... 75	Mrs. Wakefield Christo... 50
Dorothy Page Roberts..... 50	James Coey..... 50	Mme. Second Weber..... 30	Miller..... 75
Duchess of Sutherland..... 2 00	John Cull..... 50	Mlle. Marie Masquerand.... 50	Mrs. Walter Easlea..... 1 00
Duchess of Westminster... 1 00	Jonkherr, J. L. Mock..... 30	Margaret Molyneux..... 50	Mrs. Cornwallis West..... 2 00
Earl of Gosford..... 2 00	King George..... 2 00	Mrs. Arthur Munt..... 50	Nerissa..... 50
Elizabeth Barnes..... 50	Lady Alice Stanley..... 50	Mrs. Charles Curtis Harrison 75	Nita Weldon..... 1 00
Edward Mawley..... 1 00	Lady Downe..... 1 00	Mrs. Chas. Hunter..... 2 00	Robert Huey..... 50
Eugene Bouillet..... 50	Lady Greenall..... 1 00	Mrs. Frank Bray..... 2 00	Souvenir de Gustave Pratt... 2 00
E. W. Cowan..... 2 00	Lady Ursula..... 50	Mrs. Herbert Hawksworth... 2 00	Verna Mackay..... 50
Ferneihurst..... 1 00	Lieutenant Chaure..... 50	Mrs. Leonard Petrie..... 75	Walter Speed..... 50
Frances Charteris Seton... 1 00			

HYBRID TEA ROSES.

Select Standard Sorts.

Per 100	Per 100	Per 100	Per 100
Betty..... \$30 00	Grand Duke Adolphe de... \$30 00	Laurent Carle..... \$30 00	Mme. Maurice de Luze..... \$30 00
Caroline Testout..... 30 00	G. Luxemburg..... 30 00	Le Progress..... 30 00	Melanie Soupert..... 30 00
Countess of Gosford..... 30 00	G. Nabonnand..... 30 00	Liberty..... 30 00	Marquise de Sincet..... 30 00
Dean Hole..... 30 00	Gruss an Teplitz..... 30 00	Lyon..... 30 00	Mons. Paul Lede..... 30 00
Earl of Warwick..... 30 00	Irish Brightness..... 35 00	Mme. Philippe Rivoire..... 30 00	Pharisaeer..... 30 00
Florence Pemberton..... 30 00	Joseph Hill..... 30 00	Jenny Guillemont..... 30 00	Prince de Bulgarie..... 30 00
Franz Deegan..... 30 00	Killarney..... 30 00	Jules Graveaux..... 30 00	Reine Marguerite de Italie... 30 00
Farben Konigin..... 30 00	Konigin Carolina..... 30 00	Hector Leulioit..... 30 00	Richmond..... 30 00
Gustav Grunerwald..... 30 00	Kaiserin Augusta Victoria... 25 00	Jules Grolez..... 30 00	Simplicity..... 30 00
Grace Darling..... 30 00	Lady Ashtown..... 30 00	Abel Chateauf..... 30 00	Souvenir de President Carnot 30 00
General MacArthur..... 30 00	La Detroit..... 30 00	Ravary..... 30 00	Viscountess Folkstone..... 30 00
	La France..... 30 00	Leon Pain..... 30 00	White Killarney..... 30 00

HYBRID PERPETUAL ROSES.

Per 100	Per 100	Per 100	Per 100
Alfred Colomb..... \$25 00	Duke of Edinburgh..... \$25 00	Gloire Lyonnaise..... \$25 00	Mme. Gabrielle Luizet..... \$25 00
Anna de Diesbach..... 25 00	Earl of Dufferin..... 25 00	Hugh Dickson..... 25 00	Marie Baumann..... 25 00
Alfred K. Williams..... 25 00	Fisher Holmes..... 25 00	Jean Liabaud..... 25 00	Paul Neyron..... 25 00
American Beauty..... 30 00	Francois Michelon..... 25 00	Louis Van Houtte..... 25 00	President Kruger (New)..... 35 00
Baroness Rothschild..... 25 00	Frau Karl Druschki..... 25 00	Magna Charta..... 25 00	Prince Camille de Rohan... 25 00
Baron de Bonstettin..... 25 00	General Jacqueminot..... 25 00	Mrs. R. G. Sharman Craw- 25 00	Queen of Queens..... 25 00
Camille Bernardin..... 25 00	George Arcens (New)..... 35 00	ford..... 25 00	Rodocanachi..... 25 00
Capt. Christy..... 25 00	Gloire de Chedanne Guin- 35 00	Mrs. John Laing..... 25 00	Tom Wood..... 25 00
Captain Hayward..... 25 00	oisseau..... 35 00	Mabel Morrison..... 25 00	Ulrich Brunner..... 25 00
Clio..... 25 00	Gloire de Margottin..... 25 00	Mme. Victor Verdier..... 25 00	Victor Verdier..... 25 00
Charles Lefebvre..... 25 00			

TEA AND OTHER EVERBLOOMING ROSES.

Per 100	Per 100	Per 100	Per 100
Corallina..... \$30 00	Maman Cochet Pink..... \$25 00	Miss Alice de Rothschild... \$75 00	Queen's Scarlet, or Agrip- 20 00
Charlotte Klemm..... 25 00	White..... 25 00	Mrs. Hubert Taylor..... 50 00	pina..... \$20 00
Etoile de Lyon..... 25 00	Marie Van Houtte..... 25 00	Mrs. B. R. Cant..... 25 00	Souvenir de Pierre Notting... 30 00
Hermosa..... 20 00	Mme. Joseph Schwartz..... 25 00	Perle des Jardins..... 30 00	Catherine Guillot..... 30 00
Hugo Roller..... 35 00	Molly Sharman Crawford... 50 00	Papa Gontier..... 25 00	Safrano..... 25 00
Harry Kirk..... 35 00			

BABY RAMBLER ROSES.

Per 100	Per 100
Annen Muller, Pink Baby \$20 00	Mme. Norbert Levavasseur... \$20 00
Catherine Ziemet, White 20 00	Crimson Baby..... \$20 00
Baby..... 25 00	Mrs. Cutbush, -Cherry-red 20 00
Jessie..... 25 00	Baby..... 20 00
Louis Walter or Baby Tau- 35 00	Orleans (New)..... 25 00
sendschon..... 35 00	

WICHURAIANA ROSES.

Per 100	Per 100
Wichuriana, white..... \$20 00	Wichuriana, Pink Roamer... \$20 00
Evergreen Gem..... 20 00	Triumph..... 20 00
Gardenia..... 20 00	Universal Fa- 20 00
South Orange..... 20 00	vorite..... 20 00
Perfection..... 20 00	

AUSTRIAN or YELLOW BRIER ROSES.

Per 100	Per 100
Austrian Copper..... \$30 00	Harrison Yellow..... \$30 00
Austrian Yellow..... 30 00	Persian Yellow..... 25 00

Pernetiana or Hybrid Austrian Briers.

Per 100	Per 100
Juliet (New)..... \$35 00	Solid d' Or or Golden Sun... 30 00

SWEET BRIER ROSES.

Per 100	Per 100
Refulgence (New)..... \$35 00	Meg Merillies..... \$30 00
Anne of Gierstein..... 30 00	Common Sweet Brier or 30 00
Brenda..... 30 00	Eglantine..... 20 00
Lord Penzance..... 30 00	

CLIMBING OR RAMBLER ROSES.

Per 100	Per 100
American Pillar..... \$20 00	Gloire de Dijon..... \$30 00
Baltimore Belle..... 20 00	Marchal Niel..... 30 00
Crimson Rambler..... 25 00	Prairie Queen..... 20 00
Climbing Clothilde Souper... 25 00	Tausendschon..... 25 00
Caroline Testout..... 30 00	Trier..... 25 00
Climbing Belle Siebrecht... 30 00	White Dorothy..... 25 00
Kaiserin Augusta..... 30 00	W. A. Richardson..... 30 00
Victoria..... 30 00	White Banksia..... 25 00
Dorothy Perkins..... 25 00	Yellow Banksia..... 25 00
Excelsa (New)..... 30 00	Yellow Rambler..... 25 00
Flower of Fairfield..... 25 00	

RUGOSA ROSES.

Per 100
Rugosa Red..... \$18 00
White..... 18 00

MOSS ROSES.

Per 100
Blanche Moreau..... \$25 00
Princess Adelaide..... 25 00

ORDER AT ONCE WHILE THE SELECTION IS GOOD.

HENRY A. DREER, Inc., 714 Chestnut St.,
Philadelphia, Pa.

The Above Prices are Intended for the Trade Only.

BEDDING PLANTS.

Petunias, single fringed all colors from choice seed,

3-inch.....\$ 5 00
4 inch.....8 00

Recinus (Castor Bean) strong.....4 inch, per doz., \$1 50

Alternantheras, red and yellow, strong, 2½-inch.....2 50

Asparagus Sprengeri and Plumosus Nanus, 2½-inch strong.....3 00

Asparagus Sprengeri, 3-inch.....5 00

Ageratum, dwarf blue, 2½-inch.....2 50

" " 3-inch.....5 00

" " 4-inch.....8 00

Begonia, Tuberous rooted, strong 4-inch, all colors, double and single, per doz. \$2.00

Begonia Luminosa, for bedding, strong, 3-inch, \$5 00 per 100.....2½ inch, 2 50

Cobaea Scandens, strong 4-inch.....per doz., \$1 50

Celosia, (Cock's Comb), dwarf.....\$2 00 and 3 00

Coleus in variety, 2½-inch, \$2 50 per 100; 3-inch.....5 00

Grevillea Robusta (silk oak) 2½-inch, strong.....2 50

Ivy, English.....2½-inch, \$3 00 per 100; 4-inch 12 00

Lobelia, Speciosa and Crystal Palace Comp.....2 50

Marguerite, Mrs. F. Sanders, double white.....3-inch, \$6 00; 4-inch, 12 00

Primulas, 2½-inch, best varieties.....3 50

3-inch, strong.....\$5 00 to 6 00

Salvia, Bonfire and Zurich, elegant stock from cuttings, 2½-inch.....2 50

2½-inch.....5 00

3-inch.....10 00

4-inch.....10 00

Palms

Kentias Belmoreana and Forsteriana, immense stock of perfect plants in all sizes from 4-in. to 10-in. plants, at prices ranging from \$4.50 per dozen to \$12.50 each, according to size.

Table Ferns—10 Varieties

2½-in. pots, \$3.00 per 100; \$25.00 per 1000.

3-in., strong, \$6.00 per 100; \$55.00 per 1000.

HYDRANGEAS

From now until June 1 we offer a choice lot of Hydrangeas in full bloom, at from 25c, 35c, 50c, 75c each. Also a large supply of decorative plants, palms and table ferns.

Asparagus Hatcheri, strong, 2½-in., \$2.50 per 100; Primula Obconica Grand., strong, 2½-in., \$3.00 per 100; \$25.00 per 1000.

Ficus Pandurata, strong, 6-in., \$3.50 each.

Ficus Elastica, strong, 6-in., 75c to \$1.00 each.

Dracaena Massangeana, well colored, 6-in., \$1.00 to \$1.75 each.

Pandanus Veitchii, highly colored, 5-in., \$1.00 each; 6-in., \$1.25 each; 7-in., \$2.00 each.

Umbrella Plants, ready to shift, 2½-in., \$3.00 per 100.

Berried Plants

Jerusalem Cherries for field planting, strong, 2½-in., \$3.00 per 100; \$25.00 per 1000.

Fra Diavola, a fine plant to grow in field for Xmas sales: full of berries, \$3.00 per 100; \$25.00 per 1000.

Cluster Peppers, strong, 2½-in., \$3.00 per 100.

Celestial Peppers, an indispensable Xmas plant, strong, 2½-in., \$3.00 per 100; \$25.00 per 1000.

Smilax

Strong new stock, 2½-inch.....\$2.50
3-inch.....5.00

POEHLMANN BROS. CO.

MORTON GROVE

Plant Department

ILLINOIS

Cincinnati.

CONDITIONS IMPROVED.

Toward the close of last week market conditions improved greatly. The supply, owing to several days of more or less cloudy weather, decreased somewhat, while the demand for stock increased. Saturday proved to be the best day of the week. Prices, however, were, at the best, only fair. The rose supply, somewhat shorter than a week ago, is still large and easily sufficient for ordinary market requirements. The list includes choice offerings of all seasonable lines. Carnations are no longer in the crowded condition they were a week ago. The cut has diminished considerably. On Monday the offerings were short of the call for them. Lilies are again in good crop and are meeting with a fair call. Lily of the valley is not moving any too well. Sweet peas are in only a very ordinary supply. The peony offerings are large. Many Cape jasmines are coming in from Texas. The buyers were at first slow to take hold of them, but by the time Memorial day is over they will probably have used many.

NOTES.

C. E. Critchell was the first to offer Shasta daisies this year.

A. C. Heckman of the Cincinnati Cut Flower Exchange spent a few days in Indianapolis, Ind., last week.

It is said that H. E. Klunder of the Hill-Heller Co. has resigned to accept a position as manager with an Atlanta concern.

Peter Herb of Mt. Healthy was in town and was a heavy buyer of flowers on Monday.

P. J. Olinger went to New Castle, Ind., on a business trip Monday.

Visitors: R. Newcomb, representing Vaughan's Seed Store, Chicago; and — Donaldson, Sparta, Ky. H.

ROSES-ROSES

We have about 10,000 Pink and White Killarney, of three inch Grafted stock. This stock is of exceptional value. Price, \$15.00 per 100; \$145.00 per 1000. 700 Grafted Kaiserin same value and same price.

OWN ROOT STOCK.

1800 White Killarney, 3800 Pink Killarney, 500 Kaiserin, 1800 Richmond, 2½ in. pots, \$5.00 per 100; \$45.00 per 1000. 1700 Perles, ready in three weeks. \$5.00 per 100; \$45.00 per 1000.

J. L. DILLON,
BLOOMSBURG, - PA.

GRAFTED ROSES FOR JUNE PLANTING.

KILLARNEY, WABAN WHITE KILLARNEY, and LADY HILLINGDON.

Strong plants from 3-in. and 3½-in. pots, \$12.00 per 100; \$100.00 per 1000.

These Roses are grafted on Dickson's Manetti Stock; were shifted from 2½-inch pots the beginning of May and will be just right for June planting.

A BARGAIN IN WELL-GROWN ROSES.

ROBERT SCOTT & SON, SHARON HILL, Del. Co., PA.

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.

F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

KENTIAS.

Joseph Heacock Co.,

Wyncote, Pa.

BEST GRAFTED ROSE STOCK

Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000; \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill. Killarney Queen, \$15.00 per 100; \$120.00 per 1000.

BEST OWN ROOT STOCK

Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6.00 per 100, \$55.00 per 1,000. Richmond, 2½-in., \$5.00 per 100; \$45.00 per 1,000. The above is All select stock and a big bargain at prices quoted.

Prices Reduced 20%

On CHRYSANTHEMUM CUTTINGS, 2½-in. Stock of the Following Varieties:

	R. C. per		2½-in. per	
	100	1000	100	1000
YELLOW				
Comoleta,	\$3.00	\$25.00	\$4.00	\$35.00
Best Early Yellow, Blooms September 27.				
	R. C. per		2½-in. per	
	100	1000	100	1000
Golden Glow,	\$3.00	\$25.00	\$4.00	\$35.00
WHITE				
	R. C. per		2½-in. per	
	100	1000	100	1000
October Frost,	\$2.50	\$20.00	\$3.00	\$25.00

	R. C. per		2½-in. per	
	100	1000	100	1000
PINK				
Patty,	\$3.00	\$25.00	\$4.00	\$35.00
Beautiful Enchantress Pink, fine strong grower, (3½-in., per 100, \$5.00).				
	R. C. per		2½ in. per	
	100	1000	100	1000
Unaka,	\$4.00.	\$35.00	\$5.00	\$45.00
Earliest Pink, first week of October.				

When ordering deduct 20% from advertised prices in the above five varieties of Chrysanthemum cuttings only. Our unlimited facilities for handling immense quantities enables us to make this cut in prices without reducing the well-known quality of our extra fancy stock.

200,000 Cuttings of the following varieties left, so order your supply now.

	R. C. per		2½-in. per	
	100	1000	100	1000
WHITE				
Alice Byron.....	2 50	20 00	3 00	25 00
Timothy Eaton.....	2 50	20 00	3 00	25 00
W. H. Chadwick.....	3 00	25 00	4 00	35 00
YELLOW				
Halliday.....	2 50	20 00	3 00	25 00
Chrysolora.....	5 00	40 00	6 50	60 00
Best Yellow Money Maker, blooms Oct. 5 to 10				

	R. C. per		2½-in. per	
	100	1000	100	1000
YELLOW				
Col. Appleton.....	2 50	20 00	3 00	25 00
Crocus.....	4 00	35 00		
Dolly Dimple.....	3 00	25 00		
Major Bonaffon.....	2 50	20 00	3 00	25 00
Immense stock, still one of the best.				
Yellow Eaton.....	2 50	20 00	3 00	25 00
Golden Chadwick.....	3 00	27 50	4 00	35 00
Best late yellow.				

	R. C. per		2½-in. per	
	100	1000	100	1000
PINK				
McNiece.....	2 50	20 00	3 50	30 00
Maud Dean.....	2 50	20 00	3 50	30 00
Dr. Enguehard.....	2 50	20 00	3 50	30 00
RED				
Schrimpton.....	2 50	20 00	3 00	25 00
BRONZE				
O. H. Kahn.....	4 00		5 00	
We can supply large quantities of the above.				



Look! Another Great Reduction.

40,000 POMPONS—Must be Sold At Once—2½-in., \$3.00 per 100; 3-in., \$5.00 per 100, while they last. First come, first served.

YELLOW		
Krut		
Emo		
West Lake		
Mike Gabel		
Quinola		
WHITE		
Elva		
Newbury		
Baby Margaret		
Diana		

Skibo
Madge
Klondyke
Baby

BRONZE		
M. D. LaPort		
PINK		
Nellie Bly		

SINGLES

YELLOW		
Christina Scull		
Parkington		
	Allan Carter	

WHITE SINGLES—Cont'd.		
Kemmit		Grace Burke
PINK		
Mrs. John Fisher		Single Pink
Gertrude Wilson		
BRONZE		
Ida Kroeschell—This is a single		
Anemone		
Dark Single Bronze		

POEHLMANN BROS. CO., Morton Grove, Ill.

J. E. MEREDITH, PRES. C. W. STOUT, Sec'y

The Meredith Flower and Vegetable Co.

LIBERTYVILLE :: ILLINOIS

Special Geraniums

3½-in NUTT, GRANT and LAKE LAND, all Reds, at \$6.50 per 100, \$60 per 1000, Cash.

Geo. A. Kuhl,
PEKIN, ILLINOIS.

J. D. Thompson Carnation Co.

Carnation Specialists

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CHRYSANTHEMUMS

Large flowering, Pompons, Single and Anemone flowered. Best varieties for bush form pot plants. Strong plants from 2½-in. pots, \$3.00 per 100.

Cash with Order.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO, ILL.

Primula Obconica, strong plants, in bud and bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengeri, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL New York

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

THE Idaho agricultural experiment station has issued an exhaustive bulletin entitled "Tomato Culture in Idaho," the result of three years' work in tomato culture. The state is covered thoroughly as to soil and climate and the best varieties for each locality are noted, together with some pertinent points on their proper culture.

Prices of Indoor Fruits and Vegetables.

Chicago, May 26.—Mushrooms, 20 cents to 65 cents per pound; lettuce, 15 cents to 17½ cents, small cases; radishes, \$1.50 per 100 bunches; pie-plant, 40 cents per box; cucumbers, 40 cents to \$1.25 per box of two dozen; asparagus, \$1.25 to \$1.50 for 24 bunches.

New York, May 24.—Cucumbers, 50 cents to \$1.00 per dozen; mushrooms, 50 cents to \$1.50 per 4-pound basket; tomatoes, 10 cents to 20 cents per pound; radishes, 75 cents to \$1.25 per 100 bunches; rhubarb, 50 cents to \$1.00 per 100 bunches; lettuce, 50 cents to \$3.00 per basket, crate or barrel.

Celery Culture in Michigan.

The horticultural department of the Michigan Agricultural College experiment station has issued an exhaustive bulletin on celery culture by C. P. Halligan. The combination of climate and soil, much of which is rich muck land, has put the state far in the lead in this industry, and the station's views are consequently to be accepted as authoritative. The necessity for proper drainage is pointed out first, for the ground, though rich, must be comparatively dry. Dampness causes diseased plants. Open ditches which drain the soil to a depth of two or three feet are generally relied upon. Black ash or elm muck lands, with at least three or four feet of good top soil, are the best, but, to quote the bulletin, "celery may be grown on any good garden soil that has been previously well enriched with stable manure or organic matter, but for commercial growing the muck lands are to be preferred in this state." A soil of loose texture that does not pack hard around the plants is required. The soil must be free from acid. Any muck that will redden blue litmus paper will not grow celery and is in urgent need of a treatment of ashes or lime to eliminate the acidity. Often better drainage is required where the soil has become sour.

Corn, potatoes or other vegetables are usually grown on new land the first year before it is ready for celery. Careful cultivation to eliminate all weeds is called for. If several crops have been raised it is advisable to build up the soil with stable manure, applied while the other crop is still being raised, and a year or two before celery planting starts. Plowing should begin as soon as the ground is dry enough in the spring, and should be deeper than for many crops. Ten inches is not too deep. The soil must be put in a very fine condition by means of a harrow or drag, and should be kept that way until planting time. Heavy feeding is necessary even

though the ground is already rich. Stable manure is the best fertilizer. Horse manure from which the straw has been removed is preferred in the Kalamazoo district. Commercial fertilizer will not do alone, but may be used at less cost to supplement the natural kinds. Muriate of potash with about half the usual amount of stable manure has been found to give good results. Nitrate of soda is often spread as a dressing over the soil a week or two after the plants have been set. This acts as a stimulant and makes the crop earlier. Near Kalamazoo (and occasionally at Muskegon) salting the land is a common practice. It is claimed that this makes the plants more brittle and tender, but growers in other parts of the state do not place much value on this method.

The vital importance of seed is emphasized in the bulletin. Many failures are directly traceable to seed of inferior quality. The seedlings must be strong and vigorous if the crop is to pay, and only the best of seed will produce this. The greater part of the seed of the self-blanching varieties is grown abroad. Excellent seed of the green kinds is grown in California. Fresh seed is necessary every year as it soon loses its vitality. Seed may be stored by placing it in a Mason jar, which should be sealed and kept in a moderate, uniform temperature. The last part of February or the first of March is the best time to sow for an early crop. The soil should be very fine and of such a nature that it will not pack. A covering of about an eighth of an inch of soil is sufficient. For the second crop seed for which is sown the last week in March, a hotbed or greenhouse should be used. Where the celery is to be marketed after the first part of September the seed is usually sown outdoors as early as weather conditions permit. After the plants are up they should be kept constantly growing, being watered only on bright days so they will dry before sunset.

Michigan celery plants are seldom transplanted before setting in the field. A cloudy, humid day, preferably just before a shower, is the best time to set the plants. If such weather does not obtain, they should be set late in the afternoon. The seed bed should be watered before digging. Care must be exercised when lifting in order that the plants may retain a large root system. A good planter will set as fast as another person can drop the plants. A dibble or other tool is never used. The setter straddles the row on his knees, and makes a hole with the forefinger of one hand while taking the plant up with the other. The plant is set with the crown slightly below the surface, and the soil pressed firmly about it. Where the blanching is done by means of boards the rows are 18 to 36 inches apart, and where earth is used from four to six feet. Wide rows and inter-

planting for the second crop is often practiced. Three plants to a foot is the usual order.

The plant has a very shallow root system, although an excessive feeder, and must be cultivated constantly to be kept growing without check. Hand hoeing between plants is often necessary. Blanching by boards and banking with soil are the two methods pursued in Michigan. Boards are preferable with the self-blanching kinds sown for summer use, as the soil causes rust. In the cooler fall weather, however, the banking method is employed, as this gives an excellent flavor and protects the plants from light freezes. Where it is to be stored for winter it should not be blanched too much in the field, as this process will go on in storage. The marketing of celery begins in Michigan about July 1 and lasts until October. The plants should be cut and carried to the harvesting shed in the early morning if shipped any distance in summer, the boards being removed only as fast as the celery is cut. Many careful packers of summer celery wrap each bunch separately with heavy brown paper. Light crates are used for shipping. Celery that is to be stored for winter is usually trenched. Storing has not proved very successful in Michigan, however. Among the celery diseases to be guarded against, damping-off disease and blight are noted by the bulletin. The first attacks the plants in the seed bed. Ventilation, plenty of light, and not too much water are prescribed. Bordeaux mixture is recommended for blight. Insects also must be destroyed by means of sprays or by hand picking. The varieties of celery recommended for Michigan are White Plume, very early, Golden Self-Blanching, Giant Pascal, Winter Queen and Kalamazoo.



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Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

trade Mark. American Spawn Co., St. Paul, Minn.

Vegetable Plants.

CABBAGE—Wakefield, Succession, Early and Late Flat Dutch, Surehead, All Head, Danish Ball Head, etc., at 20c per 100, 500 for 75c, \$1.00 per 1000; 10,000 and over, 85c per 1000.

LETTUCE—Grand Rapids, Big Boston, Boston Market, and Tennis Ball, 20c per 100, 500 for 75c, \$1.00 per 1000.

BET—Eclipse, Crosby, and Egyptian, 25c per 100, 500 for \$1.00, \$1.25 per 1000.

CELERY—Golden Self Blanching, 40c per 100; \$2.50 per 1000.

TOMATO PLANTS—Will be ready about May 25.

Send for Catalogue. Cash with Order.

R. VINCENT, JR., & SONS CO., WHITE MARSH, MD

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HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettucses, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Glorinis, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ⅓ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

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IMPORT PRICES
FOR
Bulbs and Plants

The above price list is now being mailed. If not received ask for a copy.

We can save you money
Our stocks of special Paper white Grandifloral Precocious Narcissus, as well as Mammoth Freesias, both Purity and Vaughan's Star are unequalled.

Vaughan's Seed Store
NEW YORK CHICAGO

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

AMHERST, MASS.—The state nursery is sending out thousands of pine and spruce seedlings this season to be planted on waste lands in all parts of the state.

STOVALL, VA.—The Howard Nursery Co. has incorporated with a capital stock of \$100,000. The incorporators are S. C. Howard, this city; I. N. Howard, Oxford; C. H. Howard, Greensboro, and C. L. Howard, Columbia, S. C.

THE American Peony Society's annual convention and exhibition will be held this year in connection with the Ohio Horticultural Society at the Grays Armory, Cleveland, June 12-14. Copies of the premium list can be had on application to Secretary John N. Stockwell, room 218, City Hall, Cleveland, O.

Gipsy and Brown-Tail Moth Hearing.

The Secretary of Agriculture deems it necessary, in order to prevent the distribution of the gipsy moth and the brown-tail moth into sections of the United States outside of the New England states, to extend the present quarantine lines in New England beyond those indicated in notice of quarantine No. 4, to cover the extension, during the year, of the known range of these two insects. In compliance with section 8 of the Plant Quarantine Act of August 20, 1912, a public hearing will be held at the Department of Agriculture, Washington, D. C., at 10 o'clock a. m., June 12, 1913, in order that all persons interested in the extension of these quarantine lines may be heard.

American Association of Nurserymen.

THE PORTLAND CONVENTION.

A letter from Secretary John Hall regarding the convention of the American Association of Nurserymen to be held in Portland, Ore., June 18, 19, 20, contains the following reference: "The great question that is being considered by some nurserymen concerning the coming thirty-eighth annual meeting is, 'Shall I go?' Well, every man knows just how he would answer it if the convention were going to his own state. With sleeves rolled up, he would be working might and main for its success. Yes, Portland is a long way off for a large proportion of our membership, and yet we are advised by our eastern excursion agent, Marsden B. Fox, that if the territory west of New York state does as well as he expects the latter to do, it will be almost possible to have a nurserymen's special out of Chicago or St. Paul. A personal letter says it is the ambition of every Pacific Coast member that there shall be a good attendance of the American Association and that they shall be entertained in such a way as will make them feel repaid for their trip and will want to go again. As we write we can almost hear the bells of Portland pealing out

their welcome, under the direction of Brother Pilkington.

"The spirit of fraternalism will be fully demonstrated in the fact that it has been officially decided that it is to be a joint convention. Officials of both the American Association and the Pacific Coast Association, at a recent conference in Portland, decided to make a four days' session, Tuesday, June 17, to be the business day for the Pacific Coast Association; Wednesday and Thursday will have joint sessions, and Friday shall be business day for the American Association. The programme and the arrangements generally are progressing finely, the entertainment features not being forgotten. As already announced the hotel rates at Oregon hotel are reasonable, and members should communicate with the hotel management concerning reservations.

"As to railroad fares. The exact summer tourist fares have not yet been published for all points, but we can here name a few. The fare out of Chicago and return by any direct routes, will be \$72.50. The approximate fares from the following places will be: From New York, via New York Central, \$111.20; from New York, via West Shore R. R., \$106.70; from Boston, via New York Central Lines, \$113.30; from Philadelphia, Pa., via Pennsylvania R. R., \$108.05; from Philadelphia, via Philadelphia & Reading R. R., \$105.80; from Rochester, via New York Central R. R., \$96.30.

"It will greatly help if members will advise the secretary of their intention to go to the convention."

—For the Best New and Standard—

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—Address—

Peacock Dahlia Farms,

P. O. Berlin N. J. Williamstown Junc., N. J.
Mention the American Florist when writing

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

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Wholesale growers for the trade—
trees and plants of all kinds.

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EVERGREENS, HEDGES AND HARDY PHLOX

Are my specialties.

I grow these by the acre. Please get my prices
and try some of my stock.

ADOLF MULLER

DeKalb Nurseries NORRISTOWN, PA.

North Carolina Peach Pits

We have a limited stock of 1912 crop. The seed have been kept in good storage and are in first class condition, and are all genuine North Carolina natural pits.

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J. K. MORRISON GRO. & PRO. CO., Statesville, N. C.

Successors to J. K. Morrison Prod. & Prov. Co.

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Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Spring Bulbs and Roots, Conifers, Pines.

English Ivy

4 ft. bushy, 4 inch pots.....\$15.00 per 100
4 and 5 ft. bushy, 4½ inch pots..... 20.00 per 100

Good value for window effect.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad. :: ::

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

Surplus of Aschmann's Choice Plants, Better Than Ever

Unequalled Money Maker.

After Decoration day all florists and growers have empty benches. What shall we do with them? Have them empty? Sure not, no prosperous florist thinks of such a thing. Don't have your money in the bank idle. Nothing in the world will pay you better than to invest in growing asters of the right kind, such as Godfrey Aschmann grows: the **Genuine Crego Aster**, with leaves and an abundance of large trusses and big flowers, suitable to cut. Used at banquets (when cut flowers are scarce), table decorations, funeral designs, etc. It is also an excellent aster for pot culture. We have it in separate colors, pink, white, shell pink, cardinal, blue and lavender. We are well provided for and can meet the rush. 50,000 strong, heavy plants, 2½ in. pots are ready for immediate shipment now \$3.00 per 100; \$25.00 per 1000.

Take the hint and consider what a big profit you can make by growing this aster, the Crego, for the latter part of July and in August your asters are ready to cut and bring a good price. Then what? Empty benches again, and you can raise another crop to replace the asters: this time for fall and Christmas trade, such as Nephrolepis Ferns of all varieties, Poinsettias, Cyclamens, Rubbers, Chinese or Obconica, Primrose, Jerusalem Cherries, Begonia Glorie de Lorraine or other winter blooming Begonias, Rubbers, Solanums etc. This is what we call a live florist, a hustler utilizing every foot of your bench room to good advantage. If you want to be successful as a grower you must be wide-awake, and consider that you have to realize \$2.00 to \$3.00 for every square foot of space in your greenhouse.

Our improved dark red Begonia Vernon and our improved Begonia Erfordii, beautiful pink, has no equal. A bed of these begonias, pink, the Erfordii, or the bright red improved Vernon, is a joy forever. Constant bloomers, stay always short and bushy, the hot rays of the sun have no bad effect on them. They can be grown in a sunny or shady place. We can sell you large 4 inch pot plants, either of the improved Erfordii, the beautiful pink, or the dark bright red improved Vernon, at \$7.00 per 100; 3 inch, \$5.00 per 100; 2½ inch, \$3.00 per 100; 5½ inch plants, 25c each; big plants, 25 at 100 rate.

Is Not That a Sight.

A Sight, yes! "the greatest sight we ever saw," explained one tourist to another, gazing from the other side and pointing at an old-fashioned house, on Boulevard No. 10 north, exposing in the moonlight a heap of wax: large, white, fragrant flowers. "What kind of a vine is that," they asked one another? It is that so well reputed, white flowering moon-flower. A gentleman hearing the conversation of the two, remarked that Godfrey Aschmann, of Philadelphia was the man that raised them and shipped them all over the entire country.

It is a rapid grower and a constant bloomer, grows fifty feet high in one summer. Nothing better for quick shade: grows everywhere: on the garden walls on the roof garden, the barns and all over the house in a remarkable short time; thrives well in any soil. The botanical name is **Ipomea Noctiflora**.

We raise them by the 100,000 and it is one of our great specialties—35 years on the market. It bears an abundance of sweet, pure white, waxy flower as big as a saucer: nothing is more amusing than watching them in the evening when they open. 2½ in. pots, \$5.00 per 100; 4 in. pots, \$12.00 per 100. Now is the best time to plant: danger of frost is now over.

Heliotrope, best blue, 4 inch, 7c.
Ageratum, 4 inch, 7c.
Honeysuckle Gaileana, Chinese evergreen, variegated, 4 inch, 10c.
Fuchsias, assorted, 4 inch, 7c.
Lemon Verbena, 4 inch 7c; big plants.
Zinnia Elegans, 2½ inch, 3c.
Now is the right time to plant Snapdragon on Bushes.

Snapdragon or Antirrhinum, Giant White, Giant Pink, Giant Yellow, Giant Scarlet, separate colors, 2½ inch, \$3.00 per 100; very strong plants.

Tropeolum or Nasturtium, 4 inch 7c; dwarf, Empress of India and others, 2½ in., \$3.00 per 100.

Cannas, best assortment, named separate colors, the best sorts, 7c, 8c, 9c, 10c. King Humbert, 4 in. 8c to 10c.

Araucaria Excelsa, new April, 1913 importation, 3, 4 and 5 tiers; 5, 5½ and 6 inch pots; 35c, 40c, 50c, 60c and 75c.

Robusta Compacta Glauca, big stock, 6 in. pots \$1.25 to \$1.50.

Coleus, fancy leaved, \$5.00 per 100.

Primula Obconica, 4 in. strong, in bloom, 10c; 5½ in., 15c to 20c.

Crimson Rambler Roses, 6 in. pots, suitable for outdoor planting, 3 to 4 feet high, 50c

Geraniums, 4 in. pots, **S. A. Nutt**, scarlet: **Buchner**, white: **E. G. Hill**, salmon: **Beaute Poitevine**, salmon; and assorted colors: **Scarlet Sage**, **Bonfire** and **Zurich**, 4 inch \$7.00 per 100.

Asparagus Plumosus and **Sprengeri**, large 4 in. 10c; 3 in., 7c; 2½ in., 4c.

Small Plants.

Phlox, Drummondii grandiflora, assorted colors, 2½ in. pots, \$3.00 per 100.

Phlox, Drummondii compacta, assorted colors, 2½ in. pots \$3.00 per 100.

Verbenas, assorted, 2½ in., \$3.00 per 100.

Petunias, California Giants, 3 in., best plants, \$5.00 per 100; double assorted, 4 inch, 7c.

Petunias, Inimitable, dwarf or compacta, \$3.00 per 100.

Tagetes, dwarf marigold, \$3.00 per 100.

Coleus, Golden Bedder, Victoria, Verschaefeltii, and assorted, 2½ in., \$3.00 per 100. Brilliancy, 2½ inch, 5c; 4 inch, 8c.

Thunbergia or black eyed Susan, 2½ in., \$3.00 per 100.

Centaura Gymnocarpa, Dusty Miller, 2½ in., \$3.00 per 100.

Lobelia, Crystal Palace compacta, dark blue, \$3.00 per 100.

PALMS, **Kentia Forsteriana**, 4 in., 25c to 35c; 5½, 5½, 6 in. pots, 25, 30, 35, 40 to 50 in. high, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50.

Cosmos, made up of 3 plants, 2½ inch pots, separate colors, white, pink, red, \$3.00 per 100.

Kentia Belmoreana, large, 4½ in., 25c to 35c; Made-up of 3 plants, 6 in. pots, 75c to \$1.00.

Clematis Punctulata, large, 5½ to 6 in., per dozen, \$2.00.

Neph. Scottii, 4 in., 15c to 20c; 5, 5½, 6, 7 in., 25c, 35c, 40c, 50c, 60c, 75c. **Whitmani**, small, 4 in., 20c; 5, 5½ in., 25c to 35c.

GODFREY ASCHMANN

1012 W. Ontario St.,
Philadelphia, Pa.

Geraniums and Asters

Summer prices for good strong-rooted cuttings of Geraniums, **Ricard**, \$12.50; **Nutt** and **Poitevine**, \$10.00 per 1000.

Asters, shell pink, white and rose at \$3.00 per 1000, mixed at \$2.50 per 1000.

Smilax, Extra fine this season—\$1.50 per 100; 250 or over at \$1.25 per 100.

ALBERT M. HERR, Lancaster, Pa.
Mention the American Florist when writing

F. F. SCHEEL

SHERMERVILLE, ILL.

Wholesale Grower of Cut Flowers, Pot Plants and Nursery Stock.

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PALMS, FERNS

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Decorative Plants

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GERANIUMS

10,000 S. A. Nutt

4-inch, \$8.00 per 100.

Cash must accompany order.

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6731 Ridge Ave., CHICAGO

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GRAFTED ROSES

I have a few 100 each of the following varieties of early grafted roses now in 3 and 4 in. pots. Extra strong and healthy at \$10.00 per 100. These plants should not be compared with 2½ inch stock that has not been reported.

KAISERIN, **WHITE KILLARNEY** and **KILLARNEY**

Return stock at my expense if not satisfactory

W. W. COLES, Kokomo, Ind.



THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, \$1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.

The Early Advertisement
Gets There.

ROSES

Mrs. George Shawyer

THE growers who are claiming that Mrs. Shawyer cannot be grown without mildew are welcome to call at this establishment and see for themselves whether or not this is the case. We have not seen mildew on Shawyer since Thanksgiving and any grower who has it is simply growing it too hot. A night temperature of 56 to 58 will suit Shawyer to perfection. We can still quote **Shawyer** and **Milady** first-class own root, 3-inch stock at \$30.00 per 100; \$250.00 per 1000. Also:

Pink and White Killarney, Richmond, Taft, My Maryland, and American Beauty, 3-inch own root stock at \$10.00 per 100.

CHAS. H. TOTTY, Madison, N. J.

Massachusetts Horticultural Society.

The following prizes and gratuities were awarded at the May exhibition of the Massachusetts Horticultural Society, Boston, May 17-18:

PLANTS AND FLOWERS.

Calceolarias, large flowered, six varieties—Mrs. C. G. Weld, first; Mrs. J. L. Gardner, second. Tulips, Darwin, collection of 12 varieties; six blooms of each—Francis Skinner, first. Tulips, late flowering, other than Darwin, 12 varieties, six blooms of each—Francis Skinner, first. Tulips, late flowering; any or all classes, three blooms of each variety—Francis Skinner, first; A. W. Preston, second. Pansies, 48 blooms, not less than 24 varieties—William Whitman, first; A. W. Preston, second; William Whitman, third.

GRATUITIES.

Mrs. J. L. Gardner—collection of orchid plants. E. B. Dane—collection of cut orchids. Thomas T. Watt—collection of cut orchids. Mrs. C. G. Weld—specimen orchid. Mrs. J. L. Gardner—collection of herbaceous plants. William Whitman—four specimens of Azalea indica. E. B. Dane—10 single-stem hydrangeas. Mrs. C. G. Weld—standard hydrangeas. Blue Hill Nursery—collection of cut lilies. Mrs. M. W. Chadbourne—display of lilacs. Dr. Allen Greenwood—two vases tulip Madam Krelage. A. W. Preston—collection of tulips. Mrs. J. L. Gardner—collection of gladioli. A. W. Preston—vase of Lilium candidum. F. J. Rea—collection of herbaceous flowers. William Whitman—collection of cut flowers. Thomas T. Watt—collection of cut flowers. Mrs. E. M. Gill—collection of cut flowers.

Bronze medal—R. & J. Farquhar & Co., display of tulips.

First class certificate of merit—George Stuart, Calceolaria Stuartii varieties; Walter Hunnewell, display of Azalea Chinensis.

Honorable mention—Breck, Robinson Co., collection of flowering shrubs, evergreens and herbaceous plants; R. & J. Farquhar & Co., primulas and violas; R. & J. Farquhar & Co., specimen plant clematis Montana rubens.

VEGETABLES

Theodore Lyman fund, asparagus, four bunches—Oliver Ames, first; Mrs. Frederick Ayer, second. Beets, 12 specimens, open culture—W. Heustis & Son, first. Carrots, four bunches—W. Heustis & Son, first. Lettuce, four



Pansies

Romeo Prize Winners, a grand strain, very strong, transplanted, plants in bud and bloom, \$1.25 per 100; \$10.00 per 1000.

Fine strong Coleus plants equal to 3-in., \$2.00 per 100; \$18.00 per 1000.

Fuschia Black Prince and Rose of Castle Hill, 2½-in., elegant stock, \$2.50 per 100.

Salvia, bench stock, equal to 4 and 5-in. pots, \$5.00 and \$6.00 per 100.

C. HUMFELD, Clay Center, Kan.
The Rooted Cutting Specialist.

Gladiolus.

	100	1000
America, pink.....	\$3 00	\$25 00
Brenchleyensis.....	1 40	12 00

PYRAMID BOX TREES.

3 foot, well shaped.....Each, \$2.50
3½ foot, well shaped.....Each, 3.50

A. Henderson & Co.,
352 N. Michigan Ave., CHICAGO

CARNATIONS

F. DORNER & SONS CO.,

LaFayette, - - Indiana

heads—Oliver Ames, first. Radishes, four bunches—Oliver Ames, first; W. Heustis & Son, second. Tomatoes, 12 specimens—Oliver Ames, first. Collection of vegetables, not less than four varieties—Oliver Ames, first; A. W. Preston, second. Gratuities—Oliver Ames, rhubarb; William Whitman, parsley; W. Heustis & Son, collection of vegetables.

LOS ANGELES, CALIF.—The Rosiere Floral Co. has incorporated with a capital stock of \$10,000. The incorporators are Chas. J. Muller, James L. Irwin, W. W. Robson, Charles N. Jansen and T. P. White.

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THE GENUS IRIS

By WILLIAM RICKATSON DYKES

With 48 colored plates and 30 line drawings in the text

This volume brings together the available information on all known species of Iris. The most striking feature of the book is the life-size colored plates, reproduced from originals drawn from living plants—making it a volume of great beauty as well as of scientific importance.

254 pages, demi folia, half morocco; \$37.50, postpaid, \$38.36.

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HOLLYHOCKS

In assorted colors, \$40 per 1000

Hardy Chrysanthemums

In best varieties, Clumps, \$5 per 1000
Strong plants from 2½ inch pots, \$3.00 per 100.

A General Variety of HERBACEOUS PERENNIALS from 2½-inch pots.

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NURSERIES CO.,

BEDFORD, MASS.

Elmer D. Smith & Co.,

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ADRIAN, - - MICH.

See our Advertisement on page 1094.

SALVIA SPLENDENS and BONFIRE

Good Strong Plants from Soil.

60 cents per 100; \$5.00 per 1000.
Dracaena Indivisa, 2-inch.....\$2.00 per 100.
Geraniums, 2-inch.....1.85 per 100.
Cobea Scandens, 2-inch.....3.00 per 100.
Marguerite, Mrs. F. Sanders, 2-in. 2.00 per 100.
Double Alysum, 2 inch.....2.00 per 100.

ELMER RAWLINGS - - OLEAN, N. Y.

Mention the American Florist when writing



STANDARD BAY TREE

Bay and Box Trees

BAY TREES. These trees come in tubs.

Nothing can approach these handsome trees for decorating porches, piazzas, or hall entrances and they are largely used for stately effects in formal gardens.

Standard or Tree Shaped.

Stems	Crowns	24 in.	Each	Pair
3 1/2-in.	26-in.	\$ 7 00	\$13 00	
45-in.	28-in.	7 50	14 00	
45-in.	30-in.	8 00	15 00	
45-in.	32-in.	10 00	18 00	
48-in.	34-in.	12 00	22 00	
48-in.	40-in.	15 00	28 00	

Stems	Dwarf Standards.	Each	Pair
30-in.	Crowns 24-in.	\$ 7 00	\$13 00
18-in.	24-in.	7 00	13 00
12-in.	30-in.	7 50	14 00

Pyramidal Shaped.

Each	Pair
5 ft. high, 24-in. diameter at base..	\$ 8 00 \$15 00
6 ft. high, 26-in. diameter at base..	10 00 18 00

BOX TREES.

Prices on Pyramid and Globes include new green tubs. If wanted out of tubs we allow 10 per cent discount.

Pyramids.

Each	Pair	Each	Pair
2 1/2 ft. high.....	\$2 00 \$3 75	3 1/2 ft. high.....	\$3 50 \$6 00
		4 ft. high.....	\$4 50 \$ 8 00

Globe Shaped, Untrimmed.

Each	Pair
15 in. high, 15 in. dia.....	\$2 00 \$3 75
18 in. high, 18 in. dia.....	2 50 4 50
22 in. high, 22 in. dia.....	3 00 5 50
24 in. high, 24 in. dia.....	3 50 6 50

Bush Shaped. These do not come in tubs.

Each	Doz.	100
12 in.....	\$0 40	\$4 00
18 in.....	60	6 50
20 in.....	75	8 00
24 in.....	1 00	10 00

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Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

Ready Now. 500,000 Ready Now.
Superb Strain

PANSIES

Field grown in bud and bloom. This strain is the result of 20 years of careful breeding, and is absolutely the best for commercial purposes.

Price, \$1.25 per 100; \$10.00 per 1000

Geraniums, out of 3 1/2 inch pots.....\$6.50 per 100
Vinca Variegata, out of 4 inch pots. 10.00 ..
Dbl. Lobelia, out of 3 1/2 inch pots..... 6.00 ..
Ageratum Blue, out of 3 1/2 inch pots 6.00 ..
Salvia Splendens, 5.00 ..

CASH. By express only.

LEONARD COUSINS, Jr., Concord Jct., Mass.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins
Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100,
Boston and Whitman Ferns, 3-in., 10c; 4-in., 15c;
5 in., 25c.
Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in.,
\$25.00 per 100.
Vinca Var., 3-in., \$5.00 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas,
Cigar Plant, Coleus, Alternanthera, red and
yellow; Ageratum, blue; Verbena, Salvia, Zuri-
ch; Aster, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS. Newton, N. J.

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For Sizes, Prices and variety—see our Display Adv. in American Florist Apr. 12-19.

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CHICAGO ILLINOIS.

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DAILLEDOUZE BROS.

Lenox Road and Troy Ave.,
BROOKLYN, N. Y.

SEASONABLE PLANTS

Plants from 2 1/2 inch pots \$3.00 per 100.

Asparagus Plumosus, Asparagus Sprengerii;
Allyssum, Little Gem; Parlor Ivy; Phlox, Drum-
mond dwarf; Ageratum; Euonymus, Radicans
var.; Euonymus, golden variegated; Hydrangea
Otaksa; Bridal Myrtle; Swainsona Alba;
Artillery Plant; Verbenas, scarlet, pink and
white; Coleus, Verschaffeltii, Golden Bedder,
Queen Victoria.

Plants from 3 inch pots, \$4.00 per 100.

Ampelopsis Veitchii; Clematis Paniculata;
Dracaena Indivisa; Ivy, hardy English; Fuchsia,
early flowering; Passion Vine.

Althemantheras, Brilliantissima, yellow, pink,
2 1/2 inch pots, \$2.50 per 100.

Anthericum, variegatum, 4 inch pots, 10c each.
Kentia Belmoreana, 3 in. pots, 3-4 leaves, \$1.50
per doz.

Myrtle Plants, the real bridal Myrtle 4 in. pots,
\$1.50 per dozen; 3 in. pots, \$1.00 per dozen.

Passion Vine, 4 inch pots, 10c each.

Ampelopsis Veitchii, 10c each.

Clematis Paniculata, 4 inch pots, 10c each; 5
inch pots, 15c each.

Bouvardias, propagated from root cuttings,
scarlet, white and pink, 2 inch pots, \$3.00 per 100.

C. EISELE,

11th and Westmoreland Streets
PHILADELPHIA, PA.

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High
Class **PALMS**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

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B. L. ELLIOT, Owner.

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1826 Rialto St., N. S. PITTSBURG, PA.

ROSES

Best new and Stand-
ard sorts, prime
stock, including—

	2 1/2-inch.	4-in.
American Beauty.....	Doz. 100 1000 100	
Blumenschmidt.....	Tea .50 3.00 27.50	
Bougere.....	.50 3.00 25.00	
Duchesse de Brabant.....	.50 3.00 25.00	10.00
Etoile de Lyon.....	.50 3.00 27.50	10.00
Mlle. Francisca Kruger.....	.50 3.00 25.00	
Marie Van Houtte.....	.50 3.00 25.00	
Safrano.....	.50 3.00 25.00	
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Alternantheras, yellow, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

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Ampelopsis Veitchii, heavy, 1-year, 2 to 3 ft., strong, 50 for \$2; 100, \$3.25; Parcel Post, \$20 per 1,000; 18 to 24 inches, 50 for \$1.50; 100 for \$2; Parcel Post, \$15 per 1,000. Well rooted plants, tops cut to 6 inches for transplanting, \$12 per 1,000. Samples, 25c allowed on purchase. Chas. Black, Hightstown, N. J.

ARAUCARIAS.

Araucaria excelsa, 6-in., 4 to 5 tiers; \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

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To make room in our houses we offer Plumosus Asparagus, extra fine, heavy plants. 3-in., \$4 per 100. Sprenger, 3-in., \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6; 4-in., \$1.50 per doz. Sprenger, 3-in., 75c per doz.; \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Asparagus Sprenger, 2½-in., \$2.50 per 100; \$20 per 1,000; 3-in., 6c. Erie Floral Co., Erie, Pa.

Asparagus plumosus and Sprenger, 2½-in., \$3 per 100; \$25 per 1,000. James Vick's Sons, Rochester, N. Y.

Asparagus plumosus, 2½-in., \$2 per 100. Sprenger, \$2. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus and Sprenger, 2½-in., \$2 per 100; 300 for \$5.00. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Hatcheri, 2½-in., \$2.50 per 100. Pöehlmann Bros. Co., Morton Grove, Ill.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

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Aster seedlings, the best fall sorts, 1½c. Memphis Floral Co., Memphis, Tenn.

AUCUBAS.

Aucuba Japonica, bushy plants, 35c to \$2.50 each. Julius Roehrs Co., Rutherford, N. J.

BAY TREES.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Bay trees and box trees, all sizes and prices, list on application. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS.

Bedding plants: Petunias, single fringed, 3-in., \$5 per 100; 4-in., \$8. Recinus (custer bean), 4-in., \$1.50 per doz. Alternantheras, red and yellow, 2½-in., \$2.50 per 100; \$20 per 1,000. Asparagus Sprenger, and plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprenger, 3-in., \$5 per 100; \$45 per 1,000. Ageratum, dwt. blue, 2½-in., \$2.50 per 100; 3-in., \$5; 4-in., \$8. Lobelias, tuberous rooted, 4-in., \$2 per doz.; Luminosa for bedding, 2½-in., \$2.50 per 100; 3-in., \$5. Cobaea Scandens, 4-in., \$1.50 per doz. Celosia, \$2 and \$3 per 100. Coleus in variety, 2½-in., \$2.50; 3-in., \$5. Grevillea robusta, 2½-in., \$2.50 per 100. Ivy, English, 2½-in., \$3 per 100; 4-in., \$12. Lobelia Speciosa and Crystal Palace, \$2.50 per 100. Marguerites, Mrs. F. Sanders, double white, 3-in., \$6; 4-in., \$12 per 100. Primulas, 2½-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$5 to \$6 per 100. Salvia, Bonfire and Zurich, 2½-in., \$2.50 per 100; 3-in., \$5; 4-in., \$10. Pöehlmann Bros. Co., Morton Grove, Ill.

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Bedding plants: Geraniums, 3½-in., \$6.50 per 100. Vinca Var., 4-in., \$10 per 100. Dbl. lobelia, 3½-in., \$6 per 100. Ageratum, blue, 3½-in., \$6 per 100. Salvia Splendens, 3½-in., \$6 per 100. Leonard Cousins, Jr., Concord Junction, Mass.

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Coleus, althernantheras and other bedding plants. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Begonias, Argenteo-guttata, Pres. Carnot, Robusta, Sandersoni, 3-in., well colored foliage; strong and bushy, 4c. Memphis Floral Co., Memphis, Tenn.

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BERRIED PLANTS.

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Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods, pyramids, 2 to 2½ ft., \$1.25 each; 2½ to 3 ft., \$1.75; 3 to 3½ ft., \$2.50; 3½ to 4 ft., \$3; 4 to 4½ ft., \$4.25; 4½ to 5 ft., \$5; 5 to 6 ft., \$6. Globular, 2 ft., \$2.25 and \$2.50. Standards, 15 to 18 ins., \$2.25; 18 to 21, \$2.75; 21 to 24, \$3.50; 24 to 30, bushes, \$1.50; 30 to 36 ins., bushes, \$2.50. Obelisk, 5 ft., \$12 each. Globe shaped, 2 ft., \$4.50 each; 12 to 15 inches, \$2 to \$2.50. Bushes, 2½ ft., \$1.50; 2½ to 3 ft., \$2.50. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

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Bulbs, freesia, No. 1, ¼-in. and up, \$5.50 per 1,000; No. 2, ¾-in. and up, \$3.50 per 1,000. Morris & Snow Seed Co., 425 S. Main St., Los Angeles, Calif.

Bulbs, Lilium multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, bedding hyacinths, white, red and blue, \$1.60 per 100; \$15 per 1,000. James Vicks' Sons, Rochester, N. Y.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, cold storage Giganteums, 7-9-in., 8-9-in., and 9-10-in. Yokohama Nursery Co., Ltd., 51 Barclay St., New York.

Bulbs. S. S. Skidelsky & Co., 1215 Bets Bldg., Philadelphia.

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Canna King Humbert, fine 3-in., \$10 per 100. Henderson, Alemanita, Wallace, \$5 per 100. Cash please. Harry Heintz, West Toledo, O.

Cannas, A. Bouvier, 3-in., \$5 per 100. Erie Floral Co., Erie, Pa.

Cannas, 8 varieties, 3x4-in. pots, \$4 per 100. Jos. H. Cunningham, Delaware, O.

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White Perfection	2.00	16.00
Cash with order or C. O. D.		

JOS. SCHOOS,

519 Asbury Ave., Evanston, Ill.

CARNATIONS.

From 2-in. pots ready to plant out.

Fine Stock.

	Per 100	Per 1,000
Pure White Enchantress	\$3.25	\$30.00
Light Pink Enchantress	3.50	32.50
Strong Cuttings from Sand.		
Pure White Enchantress	\$2.50	\$20.00
Light Pink Enchantress	3.00	25.00
Cash with order or references.		

SMITH & GANNETT, Geneva, N. Y.

Carnations, from 2-in. pots: Rosette, St. Nicholas, Benora, \$6 per 100. White Perfection, White Enchantress, Scarlet Glow, \$3 per 100. F. Dorner & Sons Co., LaFayette, Ind.

Carnation Enchantress Supreme, 12 rooted cuttings, \$5; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Dailledouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

For immediate shipment, strong guaranteed cuttings that will produce fancy stock. White Perfection, Enchantress, \$20 per 1,000. White Enchantress, \$25 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Carnation Princess Dagmar, \$12 per 100; \$100 per 1,000. Patten & Co., Tewksbury, Mass.

Carnation The Herald, the new scarlet. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, chrysanthemums. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSA nth EMUMS.

CHRYSA nth EMUMS.

STRICTLY FIRST-CLASS STOCK.

PINK GEM, 2-in. pots, \$5 per 100; rooted cuttings, \$4 per 100.

DECEMBER GEM, 2-in. pots, \$4 per 100; \$30 per 1,000; rooted cuttings, \$3 per 100; \$25 per 1,000.

WHITE BONNAFFON, DONATELLO, YELLOW IVORY, GLORIA, ROMAN GOLD, PATTY, PACIFIC SUPREME, UNAKA, from 2-in. pots, \$3 per 100; \$25 per 1,000; rooted cuttings, \$2.50 per 100; \$20 per 1,000.

MRS. H. ROBINSON, 2-in. pots, \$3 per 100; \$25 per 1,000.

WHITE, HELEN FRICK, NAGOYA, rooted cuttings only, \$2.50 per 100; \$20 per 1,000. Also most of the exhibitions and present year's novelties in considerable quantity. Not less than 25 of a kind at 100, 250 of a kind at 1,000 rate. Those desiring less than 25 plants of a kind will be quoted on application. For type, color and flowering season refer to our 1913 catalogue.

ELMER D. SMITH & CO. ADRIAN, MICH.

CHRYSA nth EMUMS.

ROOTED CUTTINGS—READY NOW.

\$1.50 per 100; \$12.50 per 1,000.

White.

Oct. Frost	Silver Wedding
Early Snow	Yanoma
C. Touset	Yellow.
F. Poehlmann	Monoria
White Cloud	Halliday
Des Jonis	Appleton
Queen	Golden Wedding

MEMPHIS FLORAL CO.,

MEMPHIS, TENN.

Chrysanthemums, from 2½-in. pots at 2½c. Rosiere, Bergman, White Eaton. From 2½-in. pots at 3c. Chrysolora, the finest early yellow grown. We have a large stock. From sand at \$2 per 100; \$15 per 1,000; Rosiere, Bergman, Touset, Oct. Frost, Robinson, White Eaton, Yellow Eaton, Unaka, Minnie Baily, Mary Foster. Chrysolora, the best early yellow at \$2.50 per 100; \$20 per 1,000. Joy Floral Co., Nashville, Tenn.

Chrysanthemums, rooted cuttings. Erie Floral Co., Erie, Pa.

HEADQUARTERS.

Chrysanthemums, Rooted Cuttings.

	Per 100
White	\$2.50
Mrs. Chas. Razer	2.00
Lyndwood Hall	2.00
Snow Queen	2.00
White Ivory	2.00

YELLOW.

Dolly Dimple	2.50
Col. Appleton	2.00
Halliday	2.00

PINK.

Maud Dean	2.00
Dr. Enguehard	2.00
Pink Ivory	2.00

POMPOMS.

	Per 100
White.	\$2.00
Diana	2.00
Baby Margaret	2.00
Lulu	2.00

YELLOW.

Baby	2.00
Quinola	2.00
Pretoria	2.00

PINK.

Ladysmith	2.00
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WIETOR BROS.,

162 N. Wabash Ave. Chicago.

ROOTED POMPONS.

	Per 100
Baby Margaret	\$1.50
Baby Yellow	1.50
Lulu	1.50
Quinola	1.50
Sonovia	1.50
Mrs. F. Beu	1.50
Klondyke	1.50

Cash with order or C. O. D.

JOS. SCHOOS,

519 Asbury Ave. Evanston, Ill.

Chrysanthemums, rooted cuttings and 2½-in. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, large flowering, pompoms, single and anemone flowered; best vars., 2½-in., \$3 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

Chrysanthemums, all the money making varieties. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading varieties, \$3 per 100. Henry Smith, Florist, Grand Rapids, Mich.

Chrysanthemums, Nagoya, Major Bannaffon. Jeanne Nonin; rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

CROTONS.

Crotons, 3½ and 4-in., \$4 per doz. Vaughan's Seed Store, Chicago and New York.

CYCLAMEN.

CYCLAMEN GIGANTEUM, finest strain in existence, including GLORY OF WANDSBEK, finest salmonum, orchid flowering, Roceco; strong transplanted seedlings, \$3.00 100; \$25.00 1,000. Cash, please. Rober & Radke, Maywood, Ill.

Cyclamen, 3-in. pots, very finest strain, \$10 per 100. Julius Roehrs Co., Rutherford, N. J.

CYPERUS.

500 Cyperus alternifolius, large plants from 4-in. pots, \$6 per 100. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

DAISIES.

VIGOROUS DAISY PLANTS.

IMMEDIATE SHIPMENT.

Alexandra, 2½-in.	4.00 per 100
Mrs. Sander, 2½-in.	4.00 per 100
Mrs. Sander, 3-in.	6.00 per 100

WEILAND & RISCH,

154 N. Wabash Ave. Chicago.

Daisy Mrs. F. Sander, 2-in., strong, 2c. Memphis Floral Co., Memphis, Tenn.

SHASTA DAISIES, strong transplanted field-grown plants, 60c per dozen, \$4 per 100. Cash please. W. A. Toole, Baraboo, Wis.

DRACAENAS.

Dracaena indivisa, 2-in., \$3 per 100; 3-in., \$5; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$6 per doz.; 8-in., 3 ft. high, \$1 to \$1.50 each. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracaenas, Linden and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz.; 7-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Chicago and New York.

Dracaena indivisa, 5-in., \$3 per doz.; \$25 per 100. Just right. C. C. Pollworth Co., Milwaukee, Wis.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

Dracaena Massangeana, 6-in., \$1 to \$1.75 each. Poehlmann Bros. Co., Morton Grove, Ill.

FERNS.

Ferns for dishes, 2-in. assorted, to clean out, \$2.50 per 100; \$20 per 1,000. Transplanted seedlings, \$1 per 100; \$9 per 1,000. Rober & Radke, Maywood, Ill.

Table ferns, 10 varieties, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$6 per 100; \$55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

500 ferns, Pteris albo-lineata, 3½-in., \$8 per 100. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

Boston ferns, 25c; Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Table ferns, 6 varieties, 2½-in., 2½c. Memphis Floral Co., Memphis, Tenn.

Ferns. Robbink & Atkins, Rutherford, N. J.

FICUS.

Ficus pandurata, 6-in., \$3.50 each. Elastica, 6-in., 75c to \$1. Poehlmann Bros. Co., Morton Grove, Ill.

GARDENIAS.

Gardenias, 2,000 fine stock plants from benches, \$10 per 100. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

GERANIUMS.

Geraniums, S. A. Nutt, 4-in., \$7 per 100; 2½-in., \$3 per 100; \$25 per 1,000; other standard varieties, \$3 per 100. Rooted cuttings: S. A. Nutt and La Favorite, \$1.25 per 100; \$10 per 1,000; Poitevine, Perkins, Hill, Harrison and Redfield, \$1.50 per 100; \$12.50 per 1,000. Happy Thought and variegated Nutt, 2½-in., \$5 per 100. Rober & Radke, Maywood, Ill.

Good strong 4-inch S. A. Nutt and Jean Viard geraniums, for 8c. Cash with order, please. Leo Wellenreiter, Danvers, Ill.

Geraniums, 3½-inch Nutt, Grant and Lakeland, \$6.50 per 100; \$60 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Mrs. Loyal (pansy geranium) 2½-in., 85c per doz.; \$6 per 100. Vaughan's Seed Store, Chicago and New York.

Geraniums, rooted cuttings, Ricard, \$12.50; Nutt and Poitevine, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, \$18.50 per 1,000 for 2-in. plants. Scarlet Bedder, 3-in., \$1.50 per doz.; \$10 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

1,500 4-inch red geraniums, CLIFTON and 1,000 4-inch white geraniums, Buchner \$7.50 per 100, 200 5-inch Sprengerii, 20c each, from pots, and 200 hanging baskets, 40c each. THE RIVERBANK COMPANIES, Geneva, Ill.

Geraniums, 2½-in., \$25 per 1,000. Cash with order. Frank Felke, 828 Ridge Ave., Wilmette, Ill., Telephone 1236.

Geraniums, S. A. Nutt, 4-in., \$3 per 100. Nick Reding, 6731 Ridge Ave., Chicago.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, my selection, \$5 per 100. Jos. H. Cunningham, Delaware, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut-Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. Caldwell The Woodsman Co., Evergreen, Ala.

Huckleberry foliage, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. E. A. Beaven, Evergreen, Ala.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

HELIOTROPE.

Heliotrope, centefleur, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

HOLLYHOCKS.

Hollyhocks, asst. colors, \$40 per 1,000. Hardy chrysanthemums, clumps, \$5 per 100; strong 2½-in. plants, \$3 per 100. Herbaceous perennials from 2½-in. pots. The New England Nurseries Co., Bedford, Mass.

Hollyhocks, yellow, red, pink, white, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

HYDRANGEAS.

Hydrangeas in pots and tubs, \$1.50 to \$3.50 each; large specimens, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

Hydrangea Otaksa, specimens in half barrels, \$5 and \$7.50 each; 14-inch tubs, \$2 and \$3 each; smaller sizes, 50c and 75c. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangea Otaksa, white, pink and blue, from \$9 per doz. to \$24; smaller, \$6 per doz. Anton Schultheis, 316 19th St., College Point, L. I., N. Y.

Hydrangea Otaksa, 6-in., 3 to 6 flowers and buds, 35c to 75c. Erie Floral Co., Erie, Pa.

Hydrangea Otaksa, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

Hydrangeas, in bloom, 25c, 35c, 50c and 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

ICE PLANTS.

Ice plants, 4-in. for hanging baskets, in bloom, \$10 per 100. C. C. Pollworth Co., Milwaukee, Wis.

IVIES.

English ivy, 4 ft., 4-in. pots, \$15 per 100; 4½-in., \$20. Bobbink & Atkins, Rutherford, N. J.

English ivy, grown in 3½ and 4-in., \$10 and \$12 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

English ivy, 5-in., 4 feet runners, \$2.50 per doz. C. C. Pollworth Co., Milwaukee, Wis.

English ivy, 4-in. pots, heavy, \$12 to \$14 per 100. Charles Lenker, Freeport, L. I., N. Y.

English ivy, 2½-in., 2c. Memphis Floral Co., Memphis, Tenn.

German ivy, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

LANTANAS.

Lantanas, weeping, 2-in., 2c. bushy. Memphis Floral Co., Memphis, Tenn.

LAUREL.

Laurus cerasus bush, 35c to \$1 each; standards, \$7.50 to \$10 each; pyramids, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the Valley, pips, Berlin and Hamburg, \$32 per case of 3,000. J. M. Thorburn & Co., 53 Barclay St., New York.

From Storage.

Lily of the Valley, cold storage. Order now for June weddings. Bruns' Celebrated Chicago Market Brand, \$18 per 1,000; \$9.50 per 500; \$5 per 250. Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3040 W. Madison St., Chicago.

LOBELIAS.

Lobelia Speciosa, 2½-in., 2c. Memphis Floral Co., Memphis, Tenn.

MARGUERITES.

Marguerites, in bud and bloom. Mrs. Sander, 4½-in., \$10.00 100; California, single and large flowering, 2-in., \$2.00; 3-in., \$4.00; 4½-in., \$8.00 100. Cash, please.

Robert & Radke, Maywood, Ill.

Marguerites, Mrs. E. Sanders and Queen Alexandra, 2½-in., 60c per doz.; \$4 per 100. Vaughan's Seed Store, Chicago and New York.

MOONVINES.

Moonvines, grandiflora, strong 2½-inch to close, \$3 per 100; \$25 per 1,000. Cash. Wonsatter Greenhouses, Bryan, O.

MOSS.

Green sheet moss, 1 bale (5 bundles) \$1.25; 5 bales (25 bundles), \$6. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

Moss, surplus of 12 barrel bale New Jersey moss, delivered anywhere in Chicago, \$5 per bale, 2 or more bales, \$4.75 bale. Klehm's Nurseries, Arlington Heights, Ill.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

Sphagnum moss, full size bales, clean stock, new burlaps. Vaughan's Seed Store, Chicago.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture, American Spaw Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

North Carolina peach pits. Write for prices. J. K. Morrison Grocery and Produce Co., Statesville, N. C.

Evergreen hedges and hardy phlox. Adolf Mullett, Norristown, Pa.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PALMS.

Palms, Areca lutescens, 8-in. tubs, \$2.50 each; 5-in., 35c each; 4-in., 25c each. Kentia Forsteriana, 4-in., 35c. Memphis Floral Co., Memphis, Tenn.

Kentia Belmoreana and Forsteriana, from 4-in. to 10-in. plants, from \$4.50 per doz. to \$12.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Phoenix Canariensis, fine large plants, \$7.50 to \$35 each. Julius Roehrs Co., Rutherford, N. J.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANDANUS.

Pandanus Veitchii, 5-in., \$1; 6-in., \$1.50; 7-in., \$2; 8-in., \$2.50; 8-in. tubs, \$3. Vaughan's Seed Store, Chicago and New York.

Pandanus Veitchii, 5-in., \$1 each; 6-in., \$1.25; 7-in., \$2. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus Veitchii, \$1 each. Jos. H. Cunningham, Delaware, O.

PANSIES.

Pansies, field-grown, \$1.25 per 100; \$10 per 1,000. Leonard Cousins, Jr., Concord Junction, Mass.

Pansies, Romeo Prize Winners, bud and bloom, \$1.25 per 100; \$10 per 1,000. C. Humfeld, Clay Center, Kans.

PEONIES.

PEONIES.

"PEONIES FOR PLEASURE."

This book of "Peonies for Pleasure" gives information on peony history, soil and plants to use; how and when to plant; fertilizers and how to apply; and describes the most extensive planting of really valuable peonies ever gathered together under the sun; describes the old and new as well as plebeian and aristocrat of the peony family. If you want information on the plant that stands next to the rose in beauty, that is practically known to the amateurs simply as a red, white and pink peony, then send for "Peonies for Pleasure." We also issue a special wholesale price list of peonies for fall sales, 1913. Send for both of the books. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World.

Box 18,

Springfield, Ohio.

PETUNIAS.

Petunias, single ruffled giants, 2-in. strong, bushy, 3c. Memphis Floral Co., Memphis, Tenn.

PRIMULAS.

Primula obconica grandifl., 2½-in., \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Primroses, \$2 per 100. Jos. H. Cunningham, Delaware, O.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

POINSETTIAS.

Poinsettias, June and July delivery, \$7 per 100; \$60 per 1,000. A. N. Pierson Inc., Cromwell, Conn.

ROSES.

CHOICE ROSE PLANTS.

	Per 100	Per 1,000
Fine 2½-in. stock.		
American Beauties	\$ 5.50	\$ 55.00
Richmond	3.50	30.00
Pink Killarney	4.50	40.00
White Killarney	4.50	40.00
My Maryland	4.50	35.00
Sunburst	12.00	100.00

WEITOR BROS.

162 North Wabash Ave., Chicago.

ROSE PLANTS, 2½-INCH POTS.

	Per 100	Per 1,000
My Maryland	\$3.50	\$30.00
Pink Killarney	3.50	30.00
Richmond	3.50	30.00
ONE-YEAR-OLD BENCH PLANTS.		
Pink and White Killarney	\$3.50	\$30.00
Beauties	3.50	30.00

GEO. REINBERG,

162 North Wabash Ave., Chicago.

Roses, grafted, Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$10 per 100; \$100 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95 per 1,000 in 100,000 lots. Killarney Queen, \$15 per 100; \$120 per 1,000. Own root: Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6 per 100; \$55 per 1,000. Richmond, 2½-in., \$5 per 100; \$45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

VIGOROUS ROSE PLANTS.

IMMEDIATE SHIPMENT.

	Per 100: 2½-in.	2½-in.
Mrs. Taft (Bulgarie)	\$4.00	\$5.00

WEILAND & RISCH.

154 N. Wabash Ave., Chicago.

Roses, 10,000. Pink and White Killarney, 3-in. grafted, \$15 per 100; \$145 per 1,000; 700 grafted Kaiserin, same price. Own roots: 1,800 White Killarney, 3,800 Pink Killarney, 500 Kaiserin, 1,800 Richmond, 2½-in. pots, \$5 per 100; \$45 per 1,000. 1,700 Perles, \$5 per 100; \$45 per 1,000. J. L. Dillon, Bloomsburg, Pa.

ROSE PLANTS.

	Per 100	Per 1,000
1,275 My Maryland, 3-inch pots	\$4.00	\$35.00
600 My Maryland, 2-inch pots	3.50	30.00
200 Melody, 2-inch pots	3.50	30.00

SINNER BROS.,

56 E. Randolph St., Chicago.

Roses, Mrs. George Sawyer and Melody, own root, 3-in., \$30 per 100; \$250 per 1,000. Pink and White Killarney, Richmond, Taft, My Maryland, Am. Beauty, 3-in., own root, \$10 per 100. Chas. H. Totty, Madison, N. J.

ROSES, strong, young plants, for growing on. Send for list including Excelsa, new Red Dorothy Perkins, \$4 per 100; \$30 per 1,000. THE CONARD & JONES COMPANY, West Grove, Pa.

2,000 Kaiserin Augusta Victoria roses, strong plants, 4-inch pots, \$10 per 100; 2,000 3½-inch pots, \$8 per 100. All on their own roots. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

Roses, potted. For varieties and sizes see page advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Roses, good, clean stock, 3½-in. pots, Pink and White Killarney, Perle, Kaiserin, \$6 per 100; \$50 per 1,000. Killarney Queen, \$12 per 100. L. R. Quinlan, Syracuse, N. Y.

Roses, grafted, Killarney, Waban White Killarney and Lady Hillingdon, strong plants, from 3-in. and 3½-in., \$12 per 100; \$100 per 1,000. Robert Scott & Son, Sharon Hill, Pa.

Crimson Ramblers, 5 and 6-inch pots, 3-foot canes, \$25 per 100. Charles Lenker, Freeport, L. I., N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Roses, grafted, 3-in. pots, \$10 per 100; Kaiserin, White Killarney and Killarney. W. W. Coles, Kokomo, Ind.

ROSES, My Maryland, 2½-in., strong, 2½c. Marechal Niel, 2-in., strong, 3c. Memphis Floral Co., Memphis, Tenn.

5,000 American Beauty Bench Plants, \$5 per 100; \$40 per 1,000. WIETOR BROS., 162 North Wabash Ave., Chicago.

Roses. For varieties and prices see advertisement elsewhere in this issue. The Leedle Floral Co., Springfield, O.

Rose plants, Kaiserin and My Maryland, 3-in. pots, \$6 per 100. Henry Smith, Florist, Grand Rapids, Mich.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses. 3-in pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SALVIAS.

Salvia Splendens and Bonfire, 60c per 100; \$5 per 1,000. Dracaena Indivisa, 2-in., \$2 per 100. Geraniums, 2-in., \$1.85 per 100. Cobea Scandens, 2-in., \$3 per 100. Marguerite, Mrs. F. Sander, 2-in., \$2 per 100. Double Alyssum, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

SALVIA BONFIRE, 2½-in., good plants, 2½c. Cash with order. Gus. Schlegel, Olney, Ill.

Salvias, \$2.50 per 100. Jos. H. Cunningham, Delaware, O.

SEEDS.

Seeds, beans, beets, cabbage, carrots, Kohlrabi, leek, lettuce, onions, peas, radishes, spinach, turnips, Swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

Seeds, cauliflower, white Tripoli onion, (crystal wax) and all other vegetable and flower seeds. Dammann & Co., San Giovanni a Teuccio near Naples, Italy.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Sons, Ltd., Boston, England.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, pansy. Fred Roemer, Quedlinburg, Germany.

Seeds, onions, lettuce, carrot, radish. Braslan Seed Growers Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds, novelty flower seeds, bulbs and plants. Francesco Bulleri, Seafati, Near Pompeii, Italy.

SMILAX.

Smilax, 2½-in., \$2.50 per 100; \$22 per 1,000; 3-in., \$5 per 100; \$45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

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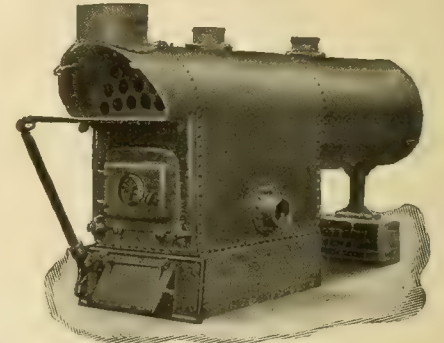
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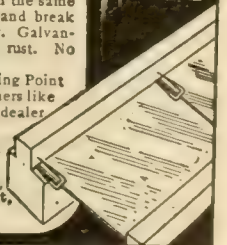
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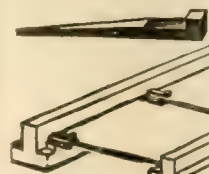
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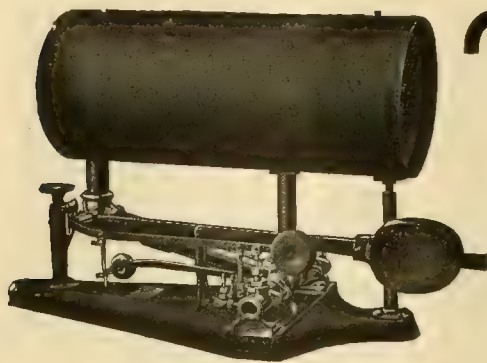
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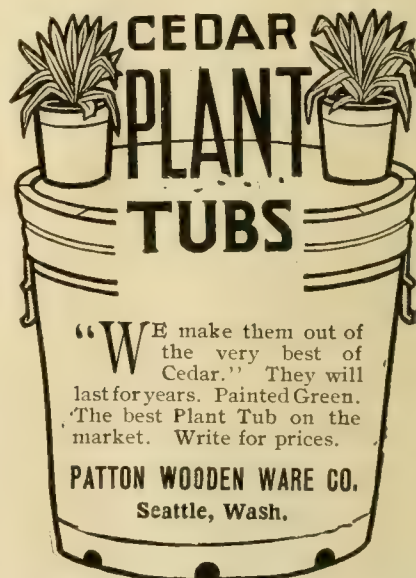
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Vol. XL

CHICAGO AND NEW YORK, JUNE 7, 1913.

No. 1305

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PUBLISHED EVERY SATURDAY BY

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Subscription, United States and Mexico, \$1.00 a
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umes half yearly from August 3, 1901.

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American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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Next annual meeting Denver, Colo., August
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AMERICAN GLADIOLUS SOCIETY.

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RAILWAY GARDENING ASSOCIATION.

Seventh annual convention, Nashville, Tenn.,
August 12-15, 1913. C. H. TRITSCHLER Nashville,
Tenn., President; W. F. HUTCHINSON, Sewickley,
Pa., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Canterbury Bells.

There is always a demand in the
spring for something different than the
flowers which the buyers have seen all
through the winter and many growers
have a call for some of the force pe-
rennials. Canterbury bells are grown
for this purpose and if well grown find
a ready sale. Seeds sown now and
grown on in pots, being shifted into
larger sizes as may be required, will
bloom next spring and help furnish the
grower with a variety of stock. They
should be grown cool during the early
winter, a violet house or one of a sim-
ilar temperature being about right, and
then brought into a warmer house with
a temperature of 50° in late winter
where they will produce fine blooms
for early spring. By bringing a few
at a time into the warmer house a
succession of bloom may be had.

Dracaena Indivisa.

The seedlings of *Dracaena indivisa*
should now be taken from the flats
and potted in small pots and placed in
a good moist location that they may
make a good growth before the fall. A
palm or fern house or one with
similar temperature is the best for the
small stock. The 4-inch stock that was
not disposed of during the spring sales
can be either plunged outside or plant-
ed in a frame, where they will not de-
mand the close attention necessary in
the greenhouse. If planted out they
should be potted up early, at least by
September 1, when the roots are ac-
tive and will quickly obtain a foothold
in the new soil. They should be heav-
ily shaded for a few days after potting
or some loss of the plants may result.
Any old plants that have outgrown
their usefulness may be propagated,
the stems cut up into small pieces and
laid in a propagating bed with bottom
heat where the eyes will open and
young plants quickly form.

Ardisia Crenulata.

The seeds of *ardisia* may be sown at
any time during spring and as it will
take until another year to grow plants
that will fruit it is not material at
which particular time they are sown.
The seeds are a little slow in germinat-
ing and it is better to sow them in the

manner of sowing cyclamen, about half
an inch apart. In early summer they
should be potted in 2½-inch pots and
are better grown in a frame than in the
greenhouse. In the fall when brought
into the houses they should be again
potted in three or four inch pots and
grown in a temperature of 50°. The
plants are of a woody nature and grow
slowly and should not be potted into
too large pots, for it is far better to
allow the roots to fill the pots before
shifting. The following spring they
will bloom, and should then be potted
in 6-inch pots and given a cool location
in the houses. After the fruit has
formed and grown to good size the
plants should be given a good sunny
position that they may take on a
bright color by Christmas. If the plants
are grown too warm the foliage will be
thin and lack the substance and lustre
which makes them so much admired
in the cooler grown plants, and the
warmer grown stock gets chilled very
easily, when the berries will drop off.
The only insect which infects this plant
is the brown scale, which, if not de-
stroyed, will cover the plant stem com-
pletely. These should be carefully
removed and continually guarded
against. If there are any old plants
that have dropped their lower leaves the
top of these can be rooted in a similar
manner to rooting rubbers, that is, by
cutting into the stem and mossing the
cut after the roots have appeared in
the moss, the top cut off below the
moss and potted.

Gloxinias.

The gloxinias that were started in
late winter should now be beginning to
flower. After the flower beds have set
they can be placed in a little shadier
location and the danger of burning the
foliage be obviated to a great degree.
The plants should be spaced far enough
apart that they do not touch and a
proper circulation of air procured
around the plant. If the flowers are to
be used in floral work they should be
cut as soon as fully open and placed
in water away from draughts and they
will keep very well; these flowers are
very fragile and should be handled
carefully. If there are any particu-
larly beautiful flowers that it is desired

to propagate, the leaves can be rooted in the propagating bench by placing the base of the leaf in the sand to the depth of about an inch. The seedlings should be potted along for later blooming.

Cleaning Up.

The bedding season is over, the year's work is practically finished, the young stock for another year in preparation, and now is the time to clean house. Don't leave a lot of worthless stock scattered around the houses that takes a man's time to water, but what it is desired to save block all up together where it can be watered in a short time, and above all things throw out anything that has passed its usefulness. How often have we seen plants that would never have been of any value left standing in the greenhouses until fall planting; neglected, yet taking more or less room, to be thrown out at last and the houses never thoroughly made ready for the coming crop. Get the plants that need care and attention all together and clean up the other houses. If the stock is grown in benches these will need repairing, and if badly decayed take them down and rebuild. Those that have cement benches are fortunate for they will only need repairs. Throw out all the old soil and clean up under the benches and in all the corners, and throw out any old rotting boards or pieces of crocks, and thus get rid of the vermin that invariably infest greenhouses. After the benches are cleaned out, give them a good, thick coat of whitewash in which sulphur was mixed when the lime was slacking. The advantage of this is too little appreciated by many growers. It costs but little and the prevention from fungus will often amount to a great deal. After the whitewash has died throw a few ashes or a mulch of some kind on the wooden benches to protect them from the hot rays of the sun. Give the inside of the house a good coat of white paint; this should be done at least every other year, for the difference in the amount of light in a clean white house and a dirty one during the dark short days is material, and the increased quality and quantity of stock will more than repay for the expense and labor. Any repairs that the heating system needs should be done at once and the boilers cleaned up ready for fall. Too often the boiler is never thoroughly cleaned out after the last firing and ashes and clinkers left lying around in a moist condition, rusting the boilers. The steam boilers should either be emptied or filled, for if the water is left standing rust will form inside just above the water line and rapidly eat into the iron. These are all necessary details to be looked after at the earliest possible moment.

Fancy Leaved Caladiums.

It will soon be found difficult to obtain the quality of flowers necessary to maintain a fine window display, so attractive plants will be required, and the show houses leading from the store or office will need something with bright color to attract attention. The fancy leaved caladiums are beautiful plants for this purpose, and should now be nice plants in four or five-inch pots. Nice plants can be grown in these sizes and they are easily arranged in a bed of green sheet moss and are very attractive. For the young stock now coming on a very light house is an absolute necessity to obtain the highly

colored leaves, and almost a full exposure to the rays of the sun. While the plants delight in a moist atmosphere, this must not be obtained by heavy shading, but by frequent syringing and damping down the walks and under the benches. The temperature should be kept warm and close, never dropping below 60 degrees at night, even if a little fire heat is required. They will require copious watering to keep the beautiful leaves in good condition, and considerable feeding to bring the high colors and large, full leaves. Should flower buds form they should be immediately removed, for they will check the growth of the leaves.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

THE hundred and thirty-fourth anniversary of Thomas Moore was celebrated at the Corcoran Art Gallery, Washington, D. C., May 28, by a number of the Irish poet's congressional and other admirers, and a beautiful wreath of Killarney roses was placed at the base of his statue, which is included in this great collection.

Outdoor Wedding Decorations.

Suspend from tree to tree garlands of white flowers to mark an aisle, using more and more white until within a few yards of the place of the ceremony, which should be marked with two white satin cushions at the foot of a tree or a bower of blossoms. If there is a gate at the entrance of the garden decorate it with sweet peas and place an arch over it strung with asparagus vines interspersed with sweet peas. A pink and white effect is always the most pleasing. For the ceremony stand two poles can be placed and covered with greens and asparagus vines hung to form a sort of curtain screen at the back and in the center of this suspend a loose spreading,

down-hanging bunch of pink and white sweet peas. A large bunch of Pink Killarney roses can be prettily attached to the top of each pole, allowing them to hang downward at each side. This should harmonize with the central bunch, that is, flowers hanging with heads downward as does also the sash ribbon.

On each end of the sash ribbon tie a goodly bunch of orange blossoms. If trees are not available tree stumps can be utilized for aisles and arranged in ferns, moss and roses. The roses can be tied in large bunches at top with white and pink ribbon, using ropes of white sweet peas as connecting links. Or pink hydrangea plants can be utilized on the stumps for a tall effect and these connected below the pot with garlands of white field daisies. Or the roping of flowers can be made of pink hydrangea blossoms, which will give it a rich and massive effect. Tall palms should be arranged in a circle at the back of the poles, using the tallest in the center and gradually grouping them to smaller sizes well around to the sides. White matting should be stretched along the pathway. If a dancing platform is to be made have poles arranged around it and decorated in the same manner as the wedding bower. Palms should be placed around the sand on the outside so as to cover the structure. The poles can be prettily covered with ordinary moss. Then string garlands of roses around them.

Flower girls can scatter white rose leaves in the pathway of the bride. For the bridal table use crystal glass retainers in which arrange lily of the valley and pink sweet peas. Mark the individual places at the bridal table with garlands of lily of the valley. At the left of each garland tie a cluster of pink sweet peas with white soft satin ribbon. The bridal bouquet to harmonize with the decoration should be of lily of the valley and orange blossoms with a shower of white sweet peas used singly. The bridesmaids' bou-



FANCY LEAVED CALADIUM.

quets may be of pink sweet peas. If a more elaborate decoration is desired, the dancing platform may be covered with a canopy of asparagus and garlands of roses stretched underneath from the different corners, using the small electric lights in the foliage. The musicians may be screened off with palms.

A. E. K.

"The Genus Iris."

Lovers of irises owe a huge debt of gratitude to William Rickatson Dykes, who after years of labor has produced a magnificent work on these plants entitled "The Genus Iris," just issued. Those interested in the garden irises have long felt the need of such a guide in deciding many tangles of nomenclature and habitat. But this is no mere botanist's reference book, Mr. Dykes combining the scientist's analytical skill with all the grower's enthusiasm. All important herbaria and living collections of these plants have been thoroughly searched for information, including those at Kew, British Museum, Oxford, Cambridge, Edinburgh, Berlin, Vienna, Jardin des Plantes, Harvard, Washington Museum and the collections of M. Leveille and Prof. Terracciano. This has been supplemented by the cultivation in Mr. Dykes' own garden of all available species and the co-operation of a small army of horticultural and botanical specialists. Referring to the identification of certain species, Mr. Dykes says: "It is a curious fact that at least among the beardless irises each species has characteristic seeds by which it can readily be recognized, and we therefore seem justified in grouping together under one specific name the various local forms of this iris that undoubtedly exist." Elsewhere, however, it is stated that "little weight need be given to such contentions as that the mere size of the seeds is enough to distinguish *I. Caroliniana* Watson as a species from *I. versicolor* L. Different conditions of soil and moisture are quite enough to account for the differences in size given by Watson and he does not seem to have insisted on any other real difference."

While the cultural observations and experiences of Mr. Dykes have been mainly confined to Surrey, England, his treatment of this branch of the subject will be found exceedingly valuable and interesting to iris growers everywhere. The iris specialist will find much valuable cultural data under the various groups and species, but in a general discussion of this subject Mr. Dykes gives a vast amount of excellent advice in small compass as follows: "Perhaps the most important point of all is that irises are sun-loving plants. There are some few, such as *I. foetidissima* and certain *Evansia* species, that will thrive in half shady positions and others, such as the common so-called German irises, which will continue to live where they are overshadowed and get little sun. But these latter will produce few flowers and probably dwindle gradually away. It should be remembered that, even though a species may thrive in partial shade in its native home, yet our summers in England are seldom sufficiently hot to ripen rhizomes growing in such a position here. With regard to soil, the general rule seems to hold good that the apogon species thrive best in a moist alluvial soil that is rich in humus, while the pogoniris group do best in

heavy limestone soil, provided that the drainage is good and sunshine abundant. Few irises enjoy wet conditions in winter, for growth is then inactive, but all appreciate moisture in spring when the flower stems and foliage are developing rapidly. When the flowers are over, most irises appreciate a period of rest, which is perhaps best provided by withholding the water supply. This does not apply to some apogon irises, and the *Sibirica* group especially is an exception to the rule. Other irises that do not require a dry resting period are *Kaempferi*, *laevigata*, *setosa*, *versicolor*, *pseudacorus*, and although the large *spuria* group is able to dispense with it there is little doubt that the marshy ground, in which they grow in the wild state, is baked dry by the sun long before the summer is over.

"In several cases irises, which in their native homes are bog plants, will not flower under these conditions in England and must be given comparatively dry positions. Thus *I. fulva* and *I. hexagona* come from the swamps of southeastern United States, but they will only flower here when grown in warm and comparatively dry positions. Nature has provided us with one infallible sign, which will show us whether an iris is a native of a dry or a wet soil. This will be seen if leaves of *I. pseudacorus* or *I. versicolor* are held up to the light side by side with a leaf of *pogoniris*, for instance, of *I. Germanica*. The latter

will appear of a uniform green but the former will show a number of minute blackish spots, which on microscopical examination prove to be due to the fact that at these points the vertical channels in the tissue of the leaves are blocked by growths of apparently the same structure as that which surrounds the passages. The increased thickness of the structure at these points produces the appearance of the black spots. In dealing with new plants this character is often of great use and gives us a guide as to the choice of soil and position, for the presence of these minute black spots always denotes a plant that is a native of marshy ground.

"Two mistakes are very commonly made in the cultivation of irises; they are transplanted in late autumn and they are allowed to become overgrown from the height of summer onwards by carpeting or straggling plants. When either of these mistakes is made the flowers will be few in the following year. In the first place, autumnal transplantation is harmful to the plant because by that time the main roots have sent out their lateral branchlets which are broken and maimed when torn up and never afterwards take any firm hold of the ground. A little observation will show that the main root-fibres grow down into the ground to their full length unbranched. If, therefore, a rhizome is lifted when the primary roots are not more than an inch or two in



FUNERAL DESIGN BY G. M. GERAGHTY, TORONTO, CAN.

Magnolia Wreath With Cluster Thistle, Shamrocks and Roses Made by Manager of John H. Dunlop's.

length, no harm will be done if it is planted again carefully. It is obviously, however, even better to transplant before the new roots emerge at all from the rhizome and, in order to find them in this stage, the operation must be carried out immediately the flowers are over. The new growths will then develop and mature for the next year without the fatal disturbance of autumnal transplantation. In the second place, the fact that iris rhizomes grow on the surface of the ground seems to show that sunshine is necessary to their welfare. Whatever the precise effect of the sun may be, the fact remains that rhizomes that are smothered under the growth of other plants are apt to remain flowerless in the following year. Another common garden practice that is detrimental to irises is that of trimming off the leaves in late summer and autumn. No plant can assimilate the sap that rises through its roots until it has passed through the leaves, and it is therefore obvious that robust, sound rhizomes will not be formed, if the leaves are trimmed off while they are still green. It is only when they turn brown and come away easily at the base that their removal is a benefit to the plant, for they then only serve to harbor moisture and slugs."

In addition the volume covers exhaustively "The Literature of the Iris," Bibliography, "The Structure, Distribution and Cultivation of the Iris," "Iris Diseases and their Remedies," and there is an analytical key to the classification, followed by elaborate descriptions of the various groups and species, making a handsome demi-folia (pages 11x17 1/4 inches) book of 254 pages with 47 life-size colored plates by F. H. Round, one colored plate of seeds by Miss R. M. Gardew and 30 line drawings by C. W. Johnson, the whole substantially bound in half morocco. The book is published in the United States by the University of Chicago Press, Chicago, by whom copies can be supplied at \$38.36, postpaid, or they may be ordered through the American Florist Co., 440 South Dearborn street, Chicago.

OLYMPIA, WASH.—The state tax commission holds that flowers growing in a greenhouse are not exempt from taxation as are outside crops.

June.

Come, with thine old-time witcheries of life,
Oh, thou full-breasted mother, hasten thee,
Lest on some winter-weary sense there fall
Too late thy rose, and humming of thy bee!

So late thou art! Through many pulsing days
We heard thy tread in heart of earth and tree,
And felt thy breath until each leafing vine
Yearned for thy sensuous touch to make it free.

Through barren months, all bleak and cold and gray,
We watched, like children through the muffled pane,
A tender signal from a beckoning hand,
But only saw frost-flowers through the rain.

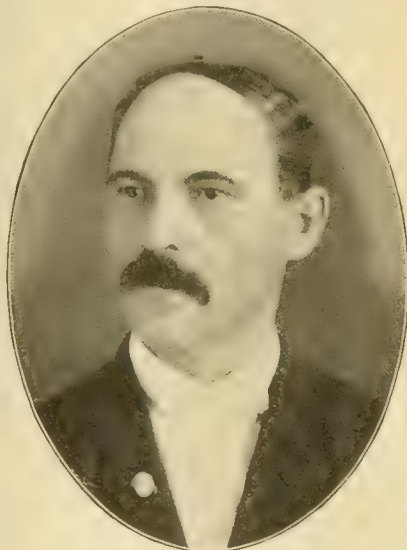
Come, coax the shyest blossoms of the year!
Bless us, sweet mother! Make the palest smile,
And, with our storm-roughed cheeks against thy breast,
Give us thy beauty for a little while.

No changelings call thee, for our hearts are thine;
Thou holdest that which keeps all things in tune,—
Rose-leaves and kisses, love and life's red wine,—
Oh, golden-hearted, peerless, perfect June!
—Virginia Boyle.

THE CARNATION.

Outside Cultivation.

The young stock in the field is a most important part of the routine work of the season, it being taken for granted that all such stock will be planted out before this period. The time of planting naturally depends on the latitude of the grower, and the condition of the season, it being poor practice to plant out before the soil is in proper condition to work, but at the same time one has to remember that the season is a short one, and that the plants are needed for planting-in by August 1 or even earlier if possible. With this in view most growers in the latitude of New York try to get the young plants in the field during the latter part of April or the first week in



S. S. Skidelsky, Philadelphia, Pa.

May, the plants being spaced rather closely in the ground on account of the shortness of the season of outdoor growth.

For convenience of cultivating, most of the work is done with hoes; it is customary to plant in beds of five rows each, with a narrow walk between the beds. This method is also convenient for topping, as the operator may readily reach the center row of a bed without any necessity for stepping among the plants. The frequency of cultivation depends very largely upon the weather, but it should be done often enough to keep the beds entirely free from weeds, and also to keep a shallow covering of loose soil on the surface.

Deep hoeing is objectionable for two reasons, one being that it is liable to disturb the roots, and the other that it is a waste of valuable labor. If the hoeing is done while the weeds are small it is much easier to dispose of these pests than when they are well established. In other words, the culture of carnations in the field is not especially different from the culture of many other crops in requiring freedom from weeds and a thin stratum of fine soil on the surface of the ground in order to conserve the moisture during a dry period. The first two or three weeks after the plants

are put out in the field there should not be much topping required, provided that this operation has been properly attended to while the young stock was in the houses. But after that time in an ordinary good growing season it will be necessary to look them over once in a week or ten days, topping the shoots as soon as the growth gets long enough to handle, thus inducing a compact growth of well-balanced plants that will not only lift better when the time comes for that operation, but will also produce more flowering shoots for the coming season.

A warm and dry season in the carnation field means slow growth and a possible "crop" of red spider to contend with after the plants are housed, but these short-jointed and hard-wooded plants will scarcely feel the shock of lifting and replanting, while the larger and more sappy plants that are produced in a wet season will take much longer to re-establish in the houses, and are also much more liable to succumb to stem-rot and other fungoid diseases. In so variable a season as the present one, it needs extra attention to keep the flowering stock in good producing condition for Memorial day and the various school commencements, these being the chief centers of interest in the floral world at this latter part of the season.

Two or three days with a temperature of 90 degrees in the shade does great injury to the quality of the crop, and fireheat is a burden in the houses. Then come two or three nights with the mercury fluttering near the frost line, and some artificial heat at night gives a more genial atmosphere to the houses. Watering and syringing also needs much attention and occupies much time, for a combination of bright sunshine and strong wind, such as is not uncommon in May, evaporates great quantities of moisture from the houses, and without frequent attention with the hose some portions of the beds are liable to become over-dry. Light shading sprinkled on the glass helps much at this season in keeping the temperature lower, and also in keeping the color in most varieties, to say nothing of the advantage in size of flowers gained by the slower development. W. H. TAPLIN.

KALAMAZOO, MICH.—A bogus check calling for \$15.50 was cashed by the De Graff Floral Co. It was tendered in payment of \$1.50 worth of flowers by a young man who received the change and disappeared.

Columbus, O.—Friends of Mrs. Theresa Graff and Bernard Howard Flynn have been surprised at the announcement of their marriage, which took place recently. The bride is the widow of the late William Graff of Graff Brothers, florists.

WICHITA, KANS.—The Sunday Eagle of May 18 contains an illustrated feature story of the city's florists, in which Chas. P. Mueller and W. H. Culp & Co. are given prominent mention. A seven-column illustration of the Mueller greenhouse plant heads the page.

PITTSFIELD, MASS.—A move has been started by L. W. Acheson and F. I. Drake, proprietors of local flower stores, to have all florists in this city close their places of business on Wednesday afternoons during the summer months, and thus give their employes a half holiday.



MINNEAPOLIS PARKS.

Floral Parterre, Loring Park.

The Square Deal.

Paper by S. S. Skidelsky, Read Before the Florists' Club of Philadelphia, June 3, 1913.

It is a rare week indeed that the news columns of our trade papers do not record some progress or other made in horticulture. I question if there is a man present tonight who will not concede that our march of progress along all lines in which we are engaged has been steady and uninterrupted, and that it will compare with that of any other body of progressive business men in this country. I need hardly dwell on details or draw comparisons between the men and their business methods of a generation ago and those of today. It is within the range of memory, I venture to say, of the youngest man present here, how the florist of the late eighties or the early nineties conducted his affairs, how he struggled along in his antiquated greenhouse, growing everything in general and nothing well in particular, how he worked and slaved and deprived himself, often of the barest necessities, in order to make ends meet, and how often he failed to accomplish even this simple object. But things have changed since—and for the better, of course.

The Society of American Florists, be it said to the credit of the leading spirits in that body, has done much to bring order out of chaos. Its annual conventions, extending over a period of three decades, are unquestionably and to a large extent responsible for the very progress achieved in horticulture. Who will question the tremendous advance made by the American carnation? May we not assert without a moment's hesitation that the

American Carnation Society, composed as it is for the most part, of earnest, conscientious, hardworking and pains-taking members, is directly responsible for the improvement and popularization of this truly magnificent American product? The Rose Society, although much younger in point of years of its existence, has already accomplished enough to win the applause and admiration of every rose lover everywhere, both amateur and professional. The Chrysanthemum Society may well point with pride to its own record. The Sweet Pea Society is doing its share, and is doing it most admirably, towards the sum total of the general good in floriculture. I may mention in brief the Gladiolus, the Dahlia, the Peony Societies, all of which are engaged in splendid work, well worthy of our financial and moral support.

The recent National Flower Show held in New York city, conceded by all those present to have surpassed the most sanguine expectations of its most ardent promoters and supporters, is but another proof that the American horticulturist has not only not stood still, but, on the contrary, has kept his pace well to the front in the general procession of progressive business men. If the National Flower Show, held two months ago in New York city, has surpassed that of Boston, held two years previously, it is but a matter of simple logic to deduce that we have advanced during the intervening two years to the extent at least of the improvement in the latter affair over the former one. And may we not, basing our calculations, hopes and expectations on the

self same principle—may we not, I ask, reasonably expect, that two years hence Philadelphia may show even more wonderful results? On the whole, I think, we may well congratulate ourselves upon our success and point with pardonable pride to our advance along all lines in horticulture.

If I have digressed considerably from the subject proper I have chosen, namely, "Are We Giving Each Other the Square Deal?" it is my object primarily to present the subject to you, not from the standpoint of the fault-finder or muck-raker, but rather in the light of absolute impartiality, touching upon the good and the objectionable features in our inner circles, in the hope that some public spirited men in our midst may find a means and a way of adjusting matters for the benefit and welfare of every man in the trade. I must confess at the outset, however, that it is with a feeling of trepidation, although by no means akin to that of a guilty conscience, that I am approaching a subject, which may touch many a sore spot and, for aught I know, bring me into disfavor with some of my friends in the trade. Nevertheless, I will undertake the task.

It is high time, it seems to me, that we pause for a moment—long enough to take a general survey of ourselves, to look into our own shortcomings, to scrutinize our business integrity and our business methods with relation to each other, to take account of things that require improvement and adjustment. It may prove something of a jolt to many of us, when we discover that, much as we have progressed in our business, much as we have mod-

ernized our business methods with regard to the flower-buying public, much as we have improved things about our stores and our greenhouses, we have made but little, if any, progress in so far as we ourselves with relation to each other are concerned. My observations during a period of years, among all sorts and conditions of men engaged in the trade, have led me to but one conclusion; and that is, that "each for himself and the devil take the hindmost" is the prevailing sentiment. It is a fact beyond question, that often men, possessing unbounded energy, perseverance and business acumen—all the qualifications necessary to insure one's own success—are at the same time exceedingly selfish and narrow-minded. Carried away by the current of their own sordid interests, they either fail or do not wish to recognize the fundamental principle of "live and let live," forming the corner stone, the very foundation of true prosperity.

Let us take a casual glance at the business relations existing today between the average grower and the average storekeeper, retailing his product. What do we see? Are they working hand in hand for their mutual benefit? Do we find them in true brotherly accord, each considering the interest of the other and both striving to advance the general good of all? Hardly. When the much dreaded glut is on and stock of all sorts becomes plentiful—a veritable eyesore to the commission men—what is the result? The average retail man buys no more than he actually needs to supply his immediate demand. The fact that he pays but one cent for a carnation well worth three does not in the least disturb his conscience. On the contrary, he seems rather glad to get bargains. Nor does he concern himself with the economic law of supply and demand. If he can get seventy-five cents or a dollar for a dozen carnations costing him twelve cents, why, so much the better. It seldom occurs to him that in times of an oversupply it might be good business policy to take a "flyer" at a thousand instead of a hundred carnations, to reduce the price, in order to insure quick sales and thereby relieve an overcrowded market and benefit himself in the end.

To be sure, there are exceptions. There are men in the trade, be it said to their credit, who have long since recognized the expediency of facing circumstances and making the best of business conditions as they arise. I know several prominent retail men who are not at all averse to the idea of the bargain counter policy in times of an oversupply. These men reason thus: "When stock has accumulated and business is dull, it is the policy of department stores and progressive business houses in general to move staple commodities at reduced prices, rather than suffer business stagnation and financial loss. Applying the same principle to our own business, it is most desirable, that we florists, with an accumulation of perishable stock in our ice boxes and on our counters adopt the same policy. Let the rank and file, the working man and the working woman, buy flowers when flowers are plentiful, rather than stock our waste barrels with them. Both the growers and the retail men would be sure to benefit by such business methods in the end."

Unfortunately such men still constitute the exception and are in the small

minority. In the majority of cases the grower is still looked upon as a source to be exploited, as a means to a selfish end. And when the grower finally rebels and his agent, the commission man, is forced to enter into a business transaction with the street merchant, or fakir, in order to unload his surplus—Oh, what a wail is raised! "The fakir is a detriment to the business," we hear on all sides. "He is a nuisance, he is no good; he should be swept off the street along with other rubbish." It seems to be the unqualified opinion of some retail men that it is the duty of the grower to protect the interests of what they call "the legitimate trade" regardless of all other considerations. If the stock, which he, the retail man, refused to buy finds an outlet on the street, the grower, in his opinion, has committed an unpardonable sin and should be tabooed. Granted that the street fakir is a nuisance, granted that it is a detriment to the business and that the less we see of him the better for the "legitimate trade," granted all this and much more, if you please, the question arises: who is responsible for such a condition of affairs? Has not the retailer the first chance to take up the surplus? Is it not up to him to devise means and ways of moving stock when stock is plentiful? We hear so much of publicity these days. What does publicity mean anyway? Is it an academic question to be discussed and debated upon in our club rooms or does it mean advertising, pure and simple, in the manner in which any other business man advertises merchandise?

There are some retail men, and these among the leaders in the business—who seem to be under the erroneous impression that their very dignity and their standing in the community would become jeopardized if they were to make special sales in times of an overproduction. "Why," these men reason, "Madam So and So, of the exclusive smart set, could not bear to mingle with the common herd who might be attracted to our stores by a plentiful display of cut flowers in our windows at special prices. It might harm our standing with our best trade." Would it? As well may a John Wanamaker or a Marshall Field dispense with their sales of the \$1.99 woman's headgear during a dull season lest their \$50.00 bonnets suffer in consequence in the right season. What holds true of bonnets and other merchandise holds equally true of cut flowers and plants. There is nothing gained by disregarding the law of supply and demand; nor is it possible to create and maintain inflated values on merchandise, the supply of which exceeds the demand, or at a time when business conditions in general fully warrant reductions in prices. The successful business man, we all know, is he who creates the demand and keeps things moving in and out of season, and not he who simply waits for better times without bestirring himself to hasten them.

There is, however, another side to the story. The grower in his turn is not at all slow to reciprocate or to retaliate when his opportunity presents itself. The holiday seasons invariably offer these opportunities to hit back, to hit hard and often in a way that makes the retailer wince with pain and wish that he were engaged in some other line. At such times not only do prices rise to inordinate proportions, making flowers a sort of prohibitive luxury which the very rich only dare indulge in, but the average quality of the

stock thrown on the market is often of an inferior grade, by no means worth the price asked for it. Need I mention about pickled stock or flowers kept too long on the plants in order to bring them in just in the "nick of time" and thus make them yield better returns? How often do we hear about ordinary Beacon carnations bringing as high as \$15.00 a hundred at Christmas time? What sort of a margin can the retailer make on such stock, especially when a lot happens to go to the bad and when his customer absolutely refuses to pay for such flowers at the time of settlement? Nor need I add that under such circumstances the retail man in general, and the small fellows in particular, have not the ghost of a chance to make their salt. Thus we see that an atmosphere of antagonism, and an undercurrent of enmity, as it were, exists between two progressive bodies of men, to the detriment of the interests of both. Instead of working side by side with the sole aim and object of giving each other the square deal at all times and under all circumstances, we find that the contrary is the case. Instead of regarding the splendid work that each one is doing as a contribution to the general good, we hear on the one side that if it were not for the retailer who educated the public and created the demand for all that is best in floriculture, there would be no growers, such as we see to-day, and on the other side, that if it were not for the grower who is enterprising enough to risk his capital and all, the retailer of to-day could not possibly exist. I am reminded of an argument between two boys. Said one to the other, "If it were not for the cow, we would have no milk." "If it were not for the milk we would have no use for the cow," replied the other youngster.

To be sure, both are doing splendid work. The retailer who educates the public and creates the demand for all that is best in flowers and plants helps the grower as well as himself. On the other hand, the grower who is enterprising enough to invest his capital and to assume tremendous responsibilities in order to meet that demand helps the retailer. One merely supplements the good work of the other. It seems to me that the time is ripe when retailer and grower should get together and organize a true protective association, an association that would concern itself with things pertaining to the general good of the trade; one that would aim to promote the interests of both. There is no need for a retail men's protective association and a growers' protective association, as separate and distinct organizations. Various irregularities and abuses practiced to-day as a matter of course could be then easily corrected and overcome. The man, for example, who rushes an advertisement into a trade paper offering all sorts of stock, "the best ever," away below the market price on condition of "cash with order, please," and sends a lot of rubbish instead, would soon cease such practices if a strong protective association took him to task. However, this is another phase of the subject, worthy perhaps of special consideration. What we need is an honest and well defined business policy, one that would insure the square deal to each and every man in the trade, be he grower or retailer. Let us ever remember the trite, but gospel true, injunction, "A house divided against itself cannot endure," and that "in union there is strength."

American Peony Society.

The annual meeting and exhibition of the American Peony Society will be held in Grays Armory, Cleveland, on June 12-14, in conjunction with the Ohio Horticultural Society. There will be no separate premium list offered by the Peony Society. Copies of the Horticultural Society's premium list have been sent to all members of the Peony Society. Further copies may be had by writing to John N. Stockwell, room 218, City Hall, Cleveland, O. All entries should be addressed to Mr. Stockwell as above. Shipments of blooms should be addressed to the chairman of the Exhibitions Committee at the Exhibition Hall, Grays Armory. Express charges must be prepaid. Cut flowers cannot be received earlier than one day before the opening of the exhibition. Label cards not to exceed two by four inches must be furnished by the exhibitors, but vases for cut blooms will as usual be provided at the hall.

Entries must be in the secretary's hands at least 48 hours before the beginning of the exhibition, and a fee of \$1.00 must accompany the entry in each class. See the premium list for further particulars. All intending exhibitors are advised to read the regulations carefully, as they are not exactly like those which usually govern the exhibitions of the Peony Society. The following is a list of the prizes:

Collection of 50 herbaceous peonies, double, in 20 named varieties—First, silver cup; second, \$8.00; third, \$5.00.

Vase of 50 blooms, white, single, on long stems, arranged for effect—First, silver cup; second, \$8.00; third, \$5.00.

Vase of 50 blooms, light pink, single, on long stems, arranged for effect—First, silver cup; second, \$8.00; third, \$5.00.

Vase of 50 blooms, red or crimson, single, on long stems, arranged for effect—First, silver cup; second, \$8.00; third, \$5.00.

Collection of 25 named varieties, double, one bloom of each—First, \$8.00; second, \$6.00; third, \$4.00.

Collection of 10 named varieties, double, three of each—First, \$10.00; second, \$5.00; third, \$3.00.

Best specimen bloom, white, double (amateurs only)—Bronze medal.

Best specimen bloom, light pink, double (amateurs only)—Bronze medal.

Best specimen bloom, red or crimson, double (amateurs only)—Bronze medal.

Collection of 12 named varieties, single, one bloom of each—First, \$4.00; second, \$3.00; third, \$2.00.

Collection of six named varieties, double, white, one flower of each (amateurs only)—First, gold medal; second, silver medal; third, bronze medal.

Collection of six named varieties, double, light pink, one flower of each (amateurs only)—First, gold medal; second, silver medal; third, bronze medal.

Collection of six named varieties, double, dark pink, one flower of each (amateurs only)—First, gold medal; second, silver medal; third, bronze medal.

Collection of six named varieties, double, red or crimson, one flower of each (amateurs only)—First, gold medal; second, silver medal; third, bronze medal.

Vase of 25 blooms, double, white or blush—First, \$6.00; second, \$4.00; third, \$3.00.

Vase of 25 blooms, double, pink—First, \$6.00; second, \$4.00; third, \$3.00.

Vase of 25 blooms, double, red or crimson—First, \$6.00; second, \$4.00; third, \$3.00.

Vase of 25 blooms, double, any other color—First, \$6.00; second, \$4.00; third, \$3.00.

Collection of 100 named varieties herbaceous peonies, one of each—Peony Society's gold medal.

It is hoped that there will be a good attendance of the members of the Peony Society. The plants in the northern section which were for a time very forward have been checked by the cool weather of the past few weeks, and it looks now as if the dates of the exhibition would fall about right for the growers in the latitude of Cleve-



Peony Rubra Superta.

land and farther north. The headquarters for the Peony Society will be Hotel Statler.

A. P. SAUNDERS, Sec'y.

Washington.

PRICES ARE FAIR.

Stocks of all kinds are still bringing a fair price. The best roses bring eight to ten cents, while other grades you can get for two to six. White carnations are not good. The price is very good for this time of the year. The local florists all claim to have done a good business on Memorial day both in cut flowers and plants. The demand for peonies was larger this year than ever, but the supply was short, for after 12 o'clock there was not a peony to be had from any of the wholesale houses.

NOTES.

For the commencement exercises held on May 1 many florists were well represented by the bouquets and baskets that were sent to Holton Avenue School.

Geo. Shaffer says he is having the best season he has ever experienced since he started in business.

Visitor: J. Gandy, representing the H. A. Dreer Co., Philadelphia, Pa.

G. C. D.

ELGIN, ILL.—Geo. Souster has rented space in the Elk drug store.

ERIE, PA.—A decision in the equity suit pending between William F. Kasting and S. Alfred Baur is likely to be rendered this week. Mr. Kasting claiming compensation for his trusteeship extending over eight years.

Boston.

TRADE EXCEEDS PREVIOUS YEARS.

The Memorial day business exceeded that of any previous year. There are those who say that it was better than Christmas or Easter. Although a large amount of stock came in from New York and other distant points, there was yet, in some quarters, a scarcity. Carnations sold at wholesale as high, in some instances, as \$8 a hundred. The market is now quiet. The weather is much warmer and stock arrivals are heavier, excepting peonies, which are still light. In addition to the wholesalers the retailers express general satisfaction with the Memorial day business. A. F. F.

Pittsburg.

PEONIES DISAPPOINTING.

During the past week business was very slow, but it brightened up considerably towards the end of the week. The reports from Memorial day were fine from most people, the only fault being found in the peonies, which fell off very easily, causing many disappointments among the retailers. Some very fine Festiva Maxima were in, and cleaned up nicely as high as eight cents. The best quality in peonies was found in those which came from the Virginia fields. Carnations found very good sale also, the very best grade bringing five cents. A heavier cut was made on these than expected, and there were just enough to go around nicely. Sweet peas were also good, the majority being outside stock, which is much better than the inside eastern peas, which are coming in. Roses did not cut much of a figure, as the demand was mostly for hardier flowers. There have been quite a number of lilies on the local market, and prices have been cut somewhat in order to move them out. Callas are hardly ever seen any more but are not missed to any extent. Some early gladioli are coming in. They are fine and clean up readily. The outside roses are now commencing to bloom, and peonies in the local gardens are also out. German iris has also been prominent in the flower beds. Cattleyas are in very good supply but sell very poorly. Gardenias have not been seen for some time, but an abundant substitute will be found in cape jasmine, which will be in soon. An oversupply of green goods is prevalent, but ferns have not been so good as before, the new crops not yet having arrived. Green galax is very hard to get and the quality is not good.

NOTES.

We hear that Joseph Seaman, former Washington, Pa., florist, committed suicide at Winnipeg, Man., where he had been in the flower business since he left Washington.

The Neff National Floral Co. of Liberty avenue is pushing the cut flower end of the business also, being specialists in the artificial line.

The Colonial Floral Co. is the new name for the A. M. Downey store of Wilkinsburg.—Wesley of the Colonial Bank controls the store.

The Harry Davis buildings on Fifth avenue were very nicely decorated last week by the A. W. Smith Co., the occasion being festival week.

Harry Graves of the Zieger Co. says that the month of May has been the best month in all their seven or eight years in business.

Henry Blind, formerly of H. L. Blind & Bro., is growing outside flowers this summer at Nursery stop, on the Harmony car line.

Foreman John Jones of Schenley Park should be very proud of the fine beds of pansies he has been showing.

The South Hills Floral Co. of Carrick disposed of 28,000 geraniums from its own greenhouses for Memorial day.

Fred Reigelmeir has been very busy with funeral work. He reports a very large Memorial day business.

Joe Jones has been too busy lately with the plants and shrubbery to devote any time to cut flowers.

Thos. M. Joyce, the newest market florist, has built up a very nice trade since his opening there.

Ross Adgate of the McCallum Co. is preparing to leave for West Virginia and Ohio.

The Ludwig Floral Co. of the north side has purchased a new delivery truck.

The Washington Floral Co. is cutting a heavy crop of fine carnations.

The Corry Floral Co., of Corry, Pa., is erecting another house.

Visitors: S. S. Skidelski, Philadelphia; Jacob Ransfelder of the Manhattan Ribbon Co., New York; Jas. Lasky, Uniontown. J.

St. Louis.

GOOD MEMORIAL DAY BUSINESS

The day before Memorial day the florists were all very busy. The wholesalers disposed of large quantities of flowers. Carnations and peonies sold well. A great many pink Killarney roses were shipped to this market and arrived wide open and unsalable. Sweet peas did not figure much in the trade as the public desired as big a show as possible for the money for this day. A large quantity of cape jasmine were disposed of. Sweet peas from the outside are now in also. Outdoor daisies and roses influence the market greatly.

NOTES.

We regret to announce the death of Mrs. Anna Mullery, mother of George H. Angermueller and Fred Alves. Mrs. Mullery died Monday, May 26. The funeral took place at Bellefontaine cemetery Thursday afternoon and was largely attended. Many beautiful floral offerings were sent by the wholesalers and also by many friends among the retailers.

Mrs. Pelletier reported her Memorial day business as very good. She was so busy she said she hoped orders would stop coming in as she needed a rest.

Joe Ent of the Union Avenue Flower Shop had a special peony decoration in his show window for Memorial day. He reports big sales of peonies and daisies.

C. A. Kuehn was very well pleased with his Memorial day trade. He is getting a great supply of corn flowers, peonies and other outdoor stock.

The Alexander Floral Co. is shipping some choice Harrisii lilies to this market. They are handled by the Windler Wholesale Floral Co.

The Wm. C. Smith Wholesale Floral Co. has several hundred peonies in cold storage, also a fair supply of fancy ferns.

The Meinhart Floral Co. reported trade as very good Memorial day. Elaborate grave decorations at the cemeteries were numerous.

The florists in the vicinity of the cemeteries did a big business in plants and cut flowers for Memorial day.

John Schaeffer has had several good wedding jobs. He expects to be kept busy during the month of June.

The Grand Leader department store has special sales of cape jasmine at 15 cents and 25 cents a dozen.

Memorial day with Grimm & Gorly was a busy one. Large quantities of flowers were disposed of.

Alex Siegel had his usual smile. Carnations at 60 cents and 75 cents a dozen were responsible.

The Metropolitan Floral Co. had a very pretty window display for Memorial day.

Fred Foster is on the sick list and has gone to Texas to recover his health.

Otto Sander will soon move into a newly built store near his old location.

Fred Ude is bringing some very choice outdoor sweet peas to this market.

F. C. Weber had a very pretty decorated window for Memorial day.

F. H. Weber reports trade as very satisfactory.

Frank Windler will be married in October. W. F.

Cincinnati.

MEMORIAL DAY CLEANS UP.

Everything in the cut flower line that was offered for Memorial day cleaned up at fair prices. The supply, while large, was hardly as large as was expected a fortnight before. With ideal weather and the usual good demand for flowers at this time clearances were a comparatively easy matter. Shipping business was good. Roses are in adequate supply. The almost strictly summer rose, such as My Maryland and Taft, are crowding the Killarney and the like very hard as far as popularity with the buyer is concerned. The American Beauty supply is good. All during last week carnations cleaned up very readily. Most of the offerings are of good quality but some are badly affected by red spider. Fortunately these are in a small minority. The lily supply is large and includes some excellent offerings of giganteum. These sold very well for Memorial day. A few candidum and rubrum lilies are offered. Both sell readily. Lily of the valley proves good property. Peonies are coming in strong. The offerings include many excellent blooms. The chances are, however, that the demand will not be very large from the present time until the end of their season. The green goods trade, especially in ferns, is very good.

NOTES.

Word has been received in this city of the death of the father of E. A. Potter, the leucothoe man of Shell Creek, Tenn.

C. E. Critchell shipped a large number of peonies for Memorial day.

Speed S. Kelly of Lexington, Ky., was in the city last week.

William H. Gear has returned from his trip to Idaho. H.

Columbus, O.

CARNATION SUPPLY SHORT.

Funeral work has been very heavy, using all the surplus stock. Memorial day dawned bright and clear with enough stock on hand for everyone. Owing to the weather conditions, the carnation cut had diminished greatly from the week previous and by the first of the week the supply was not equal to the demand. Stock is in excellent condition and keeping quality is good. Roses came in for their share and a varied assortment was in hand. Lilies are very scarce, while lily of the valley is moving well and commanding a fair price. Snapdragons and gladioli are selling well. Local peonies were scarce, the late frost and dark weather being responsible.

NOTES.

Since the Ohio Floral Co. has been under the direct control of Miss Alice Gill, business has again increased and reports are favorable.

Wm. Brust, whose store was washed away in the flood, is now associated with his father. His Memorial day business was large.

The Columbus Floral Co. disposed of a nice lot of imported French hybrid hydrangeas and Tausendschon roses for Memorial day.

A visit to the J. R. Hellenthal plant finds everything in first-class shape. Outdoor stock is in a thriving condition.

Ben Flynn and Mrs. Graff, wife of the late Wm. Graff, were married last

week and spent a few days at Buckeye lake.

Sam Graff, manager of the Art Floral Co., had his store heavily stocked as usual. The way it went out was good to see.

F. C. Viereck will move July 15 into his new quarters on the ground floor in the Green-Joyce store.

The Riverside Floral Co. reports trade getting better with each succeeding holiday.

Sherman Stephens reports business very satisfactory.

Underwood Bros. say everything sold well.

Wilson's Seed Store did a fine business. L. S. B.

Omaha, Neb.

PEONY CROP LATE.

Memorial day week was one of the best weeks we had for a good many years. Stock was good and plentiful, except peonies which were too late. However, they came at the eleventh hour but not soon enough to do much good. They are plentiful now. Bedding plants this season sold fine; in fact, most of the florists are sold out of good stock. The hot weather soon will tell on the roses and carnations and the indoor sweet peas soon will be played out. The last three days the thermometer went up to 96° to 98°—pretty warm for May.

NOTES.

F. Martin, the pioneer nurseryman, opened a store and reports excellent business in his line. Mr. Martin has a good location near the big department stores.

The King Construction Co., North Tonawanda, N. Y., is rebuilding the J. F. Wilcox greenhouses, ruined by the tornado Easter Sunday.

The city gave the contract to J. C. Moninger Co. of Chicago to build two new greenhouses and rebuild three old ones.

H. Jensen, whose greenhouses were ruined by the tornado, has two houses up and is doing business at the old stand.

Hardin of Indianapolis, with Hill-Heller Co., called on us, visiting some friends of his in this city.

S. Murray and Miss Heyden of Kansas City, Mo., were visitors two weeks ago.

This city is very busy rebuilding old houses damaged by the tornado.

Some good weddings are booked for June by Hess & Swoboda.

GRIPPE.

Cleveland.

LOCAL PEONIES TOO LATE.

This city and vicinity has had a very wet and cold spring this year. In fact, for several years the seasons have been so late as to put local peonies out of the running altogether for Memorial day. Maryland, Missouri and Kentucky peonies are here in quantity and the quality averaged up pretty well. Carnations were quite plentiful and the best of them brought a fair price. Roses of all kinds were in sufficient supply to meet the demand, and stock gave entire satisfaction. Sweet peas were plentiful and in good demand, as were all spring flowers, such as daisies, calendulas, snapdragons, columbines, etc. Snowball was also on the market, but the wet weather caused it to fall off, which made it almost unsalable. Lilac has long since been done for. Iris in all colors was a good seller. Easter lilies had a good call. Callas are nearly over their time. American Beauty roses are beginning to arrive again with long stems and large blooms; in fact, they are a vast improvement over the last crop, and the month of June will see them in fine shape. Greens of all kinds are plentiful.

Kaiserin roses are showing better form as the weather gets warmer.

Casper Aull, retired florist, is again on his feet after having been laid up in St. Alexis hospital with a broken leg.

C. F. B.

Long Island Notes.

Henry Weston, of Hempstead, who, we are glad to report, has rapidly recovered from his recent illness, is an extensive grower of carnations and general stock. He is president of the Growers' Cut Flower Co. of New York, and wholesales much stock, but has also a large local trade in his home town. He is not only a grower of carnations but an originator as well. A noteworthy feature of his range at present is a new variegated carnation which he has named *Majestic*, a very appropriate name, for the flowers are large and beautiful, on long and graceful stems. If *Majestic* is not the last, we venture to say it is the latest word in variegated carnations.

Marius Matheson grew carnations for the Cottage Gardens Co., of Queens, N. Y., for 13 years. Note the number 13 and then observe that this talk about its being unlucky is a relic of the dark ages. About three years ago Mr. Matheson started in business for himself by erecting carnation houses at Baldwin, or Hempstead, as his mail is delivered at the latter place. He has now 30,000 square feet of glass and has but recently finished planting, for the first time, a new carnation house 40x250 feet. A cleaner and more productive stock of carnations can nowhere be found. His stock is sold by W. P. Ford, of W. Twenty-Eighth street, New York.

Geo. Peters & Sons, of Hempstead, have practically doubled their glass area in the past three years, having now about 65,000 square feet, practically all in carnations. All the standard varieties are grown and their cut throughout the season has been very heavy. Even now, when carnations are supposed to be failing, their stock is clean and productive. The greenhouses are managed by George Peters and his son, C. J. Peters, while another son, C. W. Peters, sells the stock in the rooms of the New York Cut Flower Co., New York City.

At Bayside we found a very interesting colony of florists, the ranges visited being more noteworthy for neatness and good stock than for large glass area. Bayside is a beautiful place, the streets being shaded with splendid maple trees, many of which were planted by the late Frank Millang, father of Frank, Charles, Joseph and August Millang, all well known in the trade of New York. Charles and Joseph Millang yet retain homes at Bayside. The elder Mr. Millang was a pioneer florist of Bayside.

Many improvements have been made within the past few years at what was formerly the A. L. Thorne range at Flushing. The glass area has been greatly increased and a large stock of roses in variety is grown. The place is now known as the Flushing Rose Gardens and is, we have been informed, owned by a corporation composed of New York men. Robert G. Caldwell is the resident representative of the company. The stock is sold by Henshaw & Fenrich of West Twenty-Eighth street, New York.

H. D. Darlington, of the Knight & Struck Co., has just recovered from a severe attack of erysipelas and is now busy superintending the repainting and glazing of their range as well as looking after the immense stock of ericas, or heather, a specialty with this firm. Their exhibit at the third Na-

tional Flower Show was a most interesting feature. Mr. and Mrs. Darlington intend to take a southern trip in a short time.

The genial Joseph J. Bechamps, Chestnut street, Flushing, has a neat range with good stock and a fine local trade. He has, within the past few weeks, been considerably annoyed by cut worms in his carnations. If any reader knows of a safe destroyer of these pests he will confer a favor by having it published in this paper. We write "safe" because some remedies we have seen tried were worse than the cure.

Charles Lenker, of Freeport, was so unfortunate as to have a fire at his range last December, which caused him considerable loss and great inconvenience. He is now getting the business running smoothly again and we found a good general stock of flowers and flowering plants. He also has a nursery which contains a great variety of deciduous and evergreen trees and shrubs.

August Kratt, who a few years ago started in business for himself near the Flushing Cemetery, now has a neat and well kept range and is growing a good quality of carnations, which he ships to the New York wholesale district.

What was once known as the Bell range at Bayside is now conducted by O. J. Merritt. He has 12,000 square feet of glass and has good carnations and various other stocks. His place is well cared for.

August Millang has recently opened a fine retail store at Madison avenue and Main street, Flushing. He already had stores in Brooklyn and Long Island City.

John A. Harth, Seventh street, Bayside, is another energetic young florist who is pushing to the front by growing good stock.

Charles Thienel, of Bayside, grows good stock and sells it himself in the Cut Flower Exchange, New York.

A. F. F.

SPRINGFIELD, ILL.—The fourteenth annual meeting of the Illinois State Horticultural Society was held here May 15-16.

PHILADELPHIA, PA.—Three children were rescued from a fire which attacked the home of Pasquale Del Vecchio, florist, 808 Christian street, May 10.

DENISON, TEX.—The catalogue of the fall flower festival, to be held November 12-14, will soon be ready for distribution. Some attractive cash prizes are offered.

BOSTON, MASS.—Geo. H. Pieper was fined \$5 for selling a potted plant to a special police officer on Sunday. Mr. Pieper said his store was open at the time because he was making up bouquets for children participating in a church parade.

ATLANTA, GA.—Irving Gresham, who is connected with the G. A. Dahl Floral Co., has leased the store and greenhouses of the West View Floral Co. He still retains his connection with the Dahl firm.

HARTFORD, CONN.—The Milady Floral Co., a new concern, has opened for business at 660 Albany avenue. The members of the firm are Arthur Calverley and Harry Mercer, both experienced and competent florists.

CLEVELAND, O.—Arrangements are nearly completed for the second exhibition of the Ohio Horticultural Society to be held June 12-14 at the Grays Armory. Peonies and hardy roses will be the principal features.

OBITUARY.

Lord Avebury—Sir John Lubbock.

Lord Avebury died in London, England, of heart disease on May 28, aged 79 years. Great and varied as were the abilities of Sir John Lubbock, it was by his family name that he was known to the reading world for his world-wide fame rests largely on his nature studies and writings. Many men engaged in originating and propagating plants have read his books, or some of them, and derived pleasure and profit therefrom. Of his works along these lines, "The Origins and Metamorphoses of Insects," "British Wild Flowers Considered in Relation to Insects," and "Ants, Bees and Wasps," are the most notable. It may be added that he was also a great financier, statesman and philanthropist and it has been truly said of him that his life was rich in prosperity, usefulness and honor.

Thomas Wilde.

Thomas Wilde, one of the pioneers of western Michigan, died at the home of a daughter in Ottawa county, May 17, aged 79 years. Mr. Wilde was known as the originator of the flush strawberry and was one of the first to practice cross fertilization of plants in this county. He was also known as a raiser of fine apples. He was born in England and came to America when 14. Mr. Wilde was a life member of the Michigan State Horticultural Society and a charter member of the Grand River Valley Horticultural Society. He is survived by seven children.

Frederick W. Thielmann.

Frederick W. Thielmann, for many years a florist of Brooklyn, N. Y., died at his home, 189 Graham avenue, May 26, after a long illness. Of German ancestry, Mr. Thielmann had those sterling qualities that have made his race very notable in all branches of horticulture. He was well known in the wholesale district of New York, where he had many friends. He was 47 years old.

A. F. F.

Rufus Abbott.

Rufus Abbott, a florist of Manassquan, N. J., committed suicide May 28. Mr. Abbott was well known in New York, where in past years he worked for several responsible firms. By all of them he is said to have been a sober, industrious and hard-working man. The only plausible explanation of his rash act is that his mind was temporarily deranged.

A. F. F.

Thos. J. O'Hara.

Thomas J. O'Hara, general manager of the Huntsville Wholesale Nurseries, at Huntsville, Ala., died May 22 at his home. Death came as a result of Bright's disease. He was 42 years old, and had been connected with the same firm for a number of years. He was a native of New York state. He is survived by a widow and two daughters.

John E. Harrison.

John Edmund Harrison, a nurseryman of Tarentum, Pa., died recently at his home, aged 66 years. He was a member of the Presbyterian church and highly respected in his home town. He is survived by two sons.

MELROSE, MASS.—The greenhouses of Cornelius Casey & Sons were damaged by hail May 25.

THE AMERICAN FLORIST

ESTABLISHED 1886.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application. From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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GHENT, BELGIUM.--The Haerens Co. advise that they competed at the recent quinquennial exhibition in 17 azalea classes, securing 10 first and seven second prizes, including the principal awards for azalea novelties. A full illustrated account of this great show will be found in our issue of May 17, pages 933-936.

American Peony Society.

The tenth annual meeting and exhibition of the American Peony Society will be held at Grays Armory, Cleveland, O., June 12-14, in connection with the peony show of the Ohio Horticultural Society. Copies of the premium list can be had on application to Secretary John N. Stockwell, room 218, City Hall, Cleveland, O.

Chicago Peony Show.

The peony show of the Horticultural Society of Chicago has been set for June 12-13 at the Art Institute, date subject to change as the condition of the crop warrants. The premium list is now ready and includes medals and cash prizes. Copies may be had on application to R. J. Haight, Rand-McNally Building, Clark and Harrison streets, Chicago.

American Rose Society.

The American Rose Society has been invited to have as full a representation as possible of its membership to attend the final exhibition and judging of the Hartford rose garden, at Hartford, Conn. It will be held some time during the month of June. The judges named by President Farenwald for the service are as follows: Wallace R. Pierson, Cromwell, Conn.; Eber Holmes, Montrose, Mass., and John Huss, Hartford, Conn. The rose garden at Hartford was adopted last year and encouraged as far as it could be by the executive committee. The reports that come from the Hartford park department are most encouraging for the work done there. The garden is in Elizabeth park, Hartford, Conn.

The new officers chosen at the annual meeting held in April assume their duties July 1. They are as follows: Wallace R. Pierson, Cromwell, Conn., president; Robert Pyle, West Grove, Mass., vice-president; Harry O. May, Summit, N. J., treasurer. The executive committee will comprise the following: J. H. Dunlop, Toronto, Ont.; S. S. Pennock, Philadelphia, Pa.; August F. Poehlmann, Morton Grove, Ill.; Eber Holmes, Montrose, Mass.; Frank R. Pierson, Tarrytown, N. Y.; Robert Simpson, Clifton, N. J. The secretary is held over.

BENJAMIN HAMMOND, Sec'y.

Elaborate Table Decoration.

Henri Duernberg, with Grimm & Gorly, St. Louis, Mo., was called on for a table decoration of unusual interest, the affair being a birthday celebration of a cotton broker. Thirty guests were seated around a table, fifteen by thirty feet. Practically the entire table was used for decorations, allowing only 18 inches around for service. The centerpiece was a reproduction of a southern cotton field. Every detail was carried out, from the cotton field to the banjo on the steps of the cabin. The plantation was enclosed with a country fence on which were entwined rambler roses.

Beginning at one end of the table was the usual old fashioned flower beds. The walk from the gate to the cabin was edged with more small beds, and on each side of the yard were colored children at play, guarded by the usual country dog. The log cabin, with the chimney on the side was be-decked with a small coon skin. At the left of the cabin was the farm bell used to call the "help," and close by was a negro woman at a wash tub filled with clothes. In front of the washwoman was a half-strung line of bright colored clothes. There was also a small negro flying a small kite, the old rustic well, the cows, pigs and trees. On the back steps of the cabin could be seen a negro feeding the chickens. At the extreme left there appeared a bridge over a stream of water. Alligators and ducks were to be seen in the pond. Continuing from the bridge was a wagon road.

At the back end of the table was a cotton field. One hundred small bushes of cotton were used. In between them were negroes picking the cotton, with half-filled sacks, and on the road was a wagon filled with cotton. The usual water jug was found among the cotton bushes, and the usual hay stack was at the extreme left side of the table. All the articles on the table were made by Mr. Duernberg except the toys and dolls. There were more than two

hundred articles in all. The entire room was beautifully decorated. Red beech sprays were used to represent trees. Around the lower edge of a trellise green beech sprays were used to represent cotton bushes on which more than two hundred artificial cotton balls were wired. Mr. Duernberg was remembered with a handsome gift for his efforts.

Rose Notes.

At this season mildew is one of the worst enemies of the rose, and special precautions are necessary to prevent its getting a foothold. The houses have to be left open so much and the sudden fluctuations of temperature are just the conditions suited for the germination of the spores, which are always present, and as the weather is usually too warm to require firing it is no easy matter to keep clear of it. Careful ventilation and a dusting of sulphur twice a week will act as a preventive and help to keep it in check.

During rainy weather if the temperature falls below 60° it is safer to fire up for a time than to take risks. Now that planting is in full swing, those houses which were planted early must not be neglected. Where root action has well started the surface should be cultivated once a week, stirring the soil to the depth of an inch. By keeping the surface in good condition the plants can use more water as evaporation will be perfect and, consequently, growth more rapid. Without this encouragement during hot weather the plants will come almost to a standstill, which is the preliminary to going back.

Staking and training should be attended to as soon as possible so that the air can circulate freely among the leaves, thus giving them a chance to become firm and of good texture. If allowed to scramble over the bench the wood becomes thin, the eyes break weak and produce a thicket of blind-wood which makes a safe shelter for red spider, as it will be next to impossible to reach them with the syringe under such conditions.

C.

Meetings Next Week.

Baltimore, Md., June 9, 8 p. m.--Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, St. Paul and Franklin streets.

Chicago, June 11.--Gardeners' and Florists' Union, No. 10615, 230 North Clark street.

Cincinnati, O., June 9.--Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., June 9, 7:30 p. m.--Cleveland Florists' Club, Progress Hall, 2610 Detroit avenue.

Davenport, Ia., June 12.--Tri-City Florists' Club, Henry Miller, 115 15th street, Rock Island, Ill., secretary.

Hartford, Conn., June 13, 8 p. m.--The Connecticut Horticultural Society, County Building.

Madison, N. J., June 11, 8 p. m.--Morris County Gardeners' and Florists' Society, Masonic Hall.

New Orleans, La., June 9, 2 p. m.--Gardeners' Mutual Protective Association, 114 Exchange alley.

New York, June 9, 7:30 p. m.--New York Florists' Club, Grand Opera House Building.

New York, June 11, 4:30 p. m.--Horticultural Society of New York, Botanical Garden, Bronx park.

Norwich, Conn., June 9.--New London County Horticultural Society, Buckingham Memorial.

Omaha, Neb., June 12, 8 p. m.--Omaha Florists' Club, City Hall.

Rochester, N. Y., June 9, 8 p. m.--Rochester Florists' Association, 97 Main street east.

Scranton, Pa., June 13, 7:30 p. m.--Scranton Florists' Club, T. B. McClintock, secretary.

Springfield, O., June 9.--Springfield Florists' Club, Arthur Leedle, secretary, Springfield, O.

St. Louis, Mo., June 12, 2 p. m.--St. Louis Florists' Club, Odd Fellows' Building, Ninth and Olive streets.

Toledo, O., June 10.--Toledo Florists' Club, E. S. Kuhnke, secretary, 929 Prouty avenue.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—As a working foreman, single, strictly sober and a good grower of cut flowers and potted plants; good designer and hustler. Key 811, care American Florist.

Situation Wanted—On commercial or private place by young man, aged 22; seven years experience in general greenhouse work. Private preferred. Key 828, care American Florist.

Situation Wanted—As a working foreman; married; strictly sober and a good grower of cut flowers and potted plants; good designer and a hustler. Key 827, care American Florist.

Situation Wanted—As saleslady and designer in a Chicago retail store. State salary and hours when writing. Address Key 834, care American Florist.

Situation Wanted—Man fully experienced in all lines of outdoor and indoor gardening is open to engagement where high grade gardener is needed. Address. Key 835, care American Florist.

Situation Wanted—By Englishman, 14 years experience in all branches, seven in America. Well versed in orchids, roses, fruit culture under glass, and all kinds of cut flowers, lawns, etc. Age, 29. Key 833, care American Florist.

Situation Wanted—Manager and foreman now in charge of about 80,000 feet of glass, wants a change; a good grower or manager of a store; first-class salesman and designer; can take charge soon. Key 817, care American Florist.

Situation Wanted—Florist and Gardener of 20 years experience on a private place or public institution; first-class grower of Orchids, Cut Flowers, and Vegetables, under glass or outside. Best references. Address. Key 818, care American Florist.

Situation Wanted—By gardener; Scotch; as head in private place; experienced in all branches of gardening, inside and out. Over 20 years in large establishments growing all kinds of greenhouse plants and vegetables. Also care of lawns and landscape work. Age 37; married; no family. ARCH LITTLEJOHN, 39 Temple St., Somerville, Mass.

Situation Wanted—Landscape Architect (German) 29 years of age, first-class technical and practical knowledge of landscape gardening. Expert in layouts of artistic plans and estimates for municipal and private parks. Recently employed as manager for some of the largest landscape contractors of Germany. Excellent references. Key 809, care American Florist.

Situation Wanted—On commercial or private place by an all around man with 20 years of practical experience in this country and Europe; single, 35 years of age. Can furnish the best of recommendations from leading firms. Pot plants, roses, carnations and landscape gardening a specialty. State salary when writing. Address. GEORGE BAKAITIS, 5433 North Seelye av., Chicago

Situation Wanted—As head gardener and florist superintendent on private place; English, age 35, married, one child aged 8 years. At present engaged, but desire change; life experience in all branches—hot house plants, cut flowers and fruit under glass, vegetables, lawn perennials, and the general routine of a well kept estate; 4 years and a half in present place; first-class references. Key 813, care American Florist.

Help Wanted—A good grower of carnations and chrysanthemums; in Chicago. State wages. Address Key 849, care American Florist.

Help Wanted—Boys and young men to help in and around greenhouses. Also men who have had some experience in tea roses. POEHLMANN BROS. CO., Morton Grove, Ill.

Help Wanted—A good plant man, must understand the growing of all kinds of pot plants; good reference necessary. Address. Key 845, care American Florist.

Help Wanted—A Rose Grower, \$75.00 per month. Married man preferred. HESS & SWOBODA, 1415 Farnum St., Omaha, Neb.

Help Wanted—Gardener, man with experience and ability to manage my twenty acre country estate. References required. Address. THEO. F. THIEME, Fort Wayne, Indiana.

Help Wanted—Two bright young men—Carnation Growers—who have had charge of growing sections. State wages, etc. Address. Key 832, care American Florist.

Help Wanted—Experienced saleslady for Chicago retail store. One who has a little knowledge of bookkeeping preferred. Address Key 842, care American Florist.

Help Wanted—A good Chrysanthemum grower and Plantsman; single preferred. Good wages and steady position if he makes good. METAIRIE RIDGE NURSERY CO., Ltd., New Orleans, La.

Help Wanted Florist to take charge of greenhouses, propagating and bedding out of plants in the Topeka City Parks under the superintendent. A man of middle age who received his training in Germany or other parts of Europe preferred. Salary \$65.00 per month. Apply to E. F. A. REINISCH, Supt. of Parks, Topeka, Kans.

For Sale—Several ice-boxes at a reasonable figure. Address Key 838, care American Florist.

For Sale—10,000 feet of glass, in the best town for its size in Illinois. No competition; a money maker. Address, Key 821, care American Florist.

For Sale—1 Morehead Return Steam Trap and Receiver, almost new, \$45.00. JOS. MILLIGAN & SON, Florists, 1044 Clydesdale Ave., Salt Lake City, Utah.

For Sale—Good paying retail store in Chicago. Fine location. Other business to look after reason for selling. For further particulars address Key 837, care American Florist.

For Sale—Cheap, a first-class refrigerator, small delivery wagon and several store mirrors. A bargain. Act quick. JOHN CANGER, 17 E. Monroe St., Chicago.

For Sale—Greenhouses, 86 x 120 ft., 5 runs of ventilators 120 ft. each, 2 boilers of 20 and 40 horsepower, all steam and water pipe and hose bibs. For particulars address. O. L. BAIRD, Dixon, Ill.

For Sale Cheap—Two horizontal return tubular boilers, one 50 h. p., one 40 h. p., suitable for greenhouse or heating plant. Write for full description and price. W. H. BARRETT, Adrian, Mich.

For Sale—Dandy second hand ice-box for \$175 Just the box for an up to date Chicago retail store. Biggest offer ever made, so get busy and answer this Ad now. Key 839, care American Florist.

For Sale—Old established retail florist business on a leading avenue of New York City. Good reasons for selling. Terms reasonable. A. F. F., care American Florist, 124 E. 24th Street, New York.

For Sale Cheap—To be removed by Oct. 1st. Between 5,000 and 6,000 feet of glass; about 2,000 feet 4-in. cast iron pipe; two nearly new sectional boilers; water-piping; windmill; 100 bbl. tank and other property, including stock. Near Chicago. Good chance for party building a moderate plant to pick up a lot of material cheap. Key 844, care American Florist.

For Sale—Here is an opportunity in the "Far West" where there is no hay fever, floods or cyclones: A well established and paying floral business, in a city of 12,500, controlling the select trade of the city and surrounding country, with another store 80 miles away in a town of 4,500, which is the only store in the town. The plant consists of two stores, three greenhouses 16x125 each, one lean-to 9x125 (all attached), hotbeds and sash, 35 H. P. T. boiler, four room dwelling, large boiler room and potting shed, complete pumping plant, automobile, 3 3-10 acres land; everything first-class and in first-class condition. We sell more than we can produce. This is an opportunity to get into the business in a new and fast growing country. Books are open for inspection. Reasons for selling will be given. Address. Key 840, care American Florist.

Position Wanted.

By a reliable, honest, steady, strictly sober single young man; 30 years experience in horticulture; first class propagator of nursery stock, geraniums, greenhouse palms, trees, vegetables, etc.; speaks four languages; can take charge; \$18.00 per week.

Key 846, care American Florist

HELP WANTED. GOOD GROWER

For Commercial Greenhouse in Cleveland. Must have references. Will pay good wages.

Key 847, American Florist.

WANTED

A Carnation Grower for large modern range near New York City; must be able to produce flowers of the very highest quality; have ability to handle a staff of men and run the place in an up-to-date manner. Salary is one of the largest in the east and the place offers exceptional opportunities for the right man. Applicants must furnish the best of references which will be treated confidentially. Interview can be arranged if necessary. Address,

Key 848, care American Florist.

For Sale at a Pick Up Price

An up-to-date wholesale and retail florist plant in the vicinity of Chicago. It contains about 70,000 square feet of glass, 12 to 20 acres of first-class land, large dwelling house in good shape, everything modern. The whole place high and dry. \$10,000 cash, balance to suit. Do not write unless you mean business. Address,

Key 830, care American Florist.

Offer Them Now

ALL SPECIALTIES

For Cemetery Use
All Bedding Plants
Window Box Stock
Plants for Vases

WHILE DEMAND IS STRONG

Home-Grown Peonies

These are far superior to the cold storage stock. We will have 4,000 dozen, choice varieties in white and pink. Price 50 cents to 75 cents per dozen. Extra long stemmed flowers.

YELLOW ROSES For Graduation Exercises. : :

A Good Crop Now On.

Mrs. Aaron Ward and Lady Hillingdon—Prices \$3.00 to \$8.00 per 100; Extra Select, \$10.00 per 100. We also have a fine supply of Beauties, Red Roses, White and Pink Killarney, and BEST WHITE CARNATIONS in the Market

BASSETT & WASHBURN

LONG DISTANCE PHONES,
CENTRAL 1457.
AUTO., 47-314.

OFFICE AND SALESROOM,
131 N. Wabash Ave., CHICAGO, ILL.

Chicago.

MEMORIAL DAY TRADE VERY GOOD.

The Memorial day trade was very good this year and much better than the dealers at first expected. Nearly all the wholesalers filled all their advance shipping orders in full with the exception of carnations, which were very scarce, and in some instances of such poor quality that no attempt was made to ship them. The warm weather, however, worked wonders with the crops, and the stock began to arrive in large quantities on Friday morning when prices in certain lines began to drop considerably. Carnations were then obtainable at reasonable prices, and roses also could be had at greatly reduced figures. The peony market was firm until Thursday when prices began to ease up a little, due to the fact that some of the larger dealers began to move some of their inferior stock before the home grown flowers arrived. On Friday morning several large shipments of local grown peonies were received, and were quickly disposed of at good prices, but even then some of the houses could have taken care of several more orders. Good peonies held up well and there was plenty of this stock obtainable if the purchaser was willing to pay the price. White roses had a good call and sold at good figures. American Beauty were in good supply and there was plenty of good stock obtainable. There was a large supply of orchids on the market, but there was practically no demand whatever for them. Sweet peas were also very plentiful, and did not bring the prices that they should have. Double white narcissi were in great demand and sold well. Cape jasmine were to be had in large quantities, but did not move any too well. Easter lilies moved freely, but there was very little call

for miscellaneous stock. Ferns were scarce toward the close of the Memorial day business, and the prices went up to \$2.50 and \$3.00 per 1,000. Taken all in all the wholesalers and retailers alike were both satisfied with their Memorial day trade, and in most cases agree that business during the month of May was very satisfactory. Trade Saturday was very quiet, and although it was a trifle better on Sunday, it was nothing great to speak of and reminded one of the usual lull after a big holiday trade. Stock at present is arriving in tremendous quantities, and there is now the biggest glut that this market has experienced for sometime. Prices are very low on everything, and no shortage whatever is reported. Orchids especially are seen in large quantities and the retailer has a splendid opportunity to make a magnificent display now at practically no cost whatever. American Beauty roses are quoted very low, and roses in general are being offered in large quantities at remarkably low prices. Peonies are increasing in quantity and are meeting the same fate as the roses. Sweet peas are very cheap, and the street fakirs who manage to escape the watchful eyes of the police are again reaping the harvest. The ice boxes in some instances are not large enough now to hold all the stock that is being received, consequently the dealers are taking advantage of whatever opportunity presents itself in disposing of their stock, which means that the buyer can obtain the stock he needs now in quantity at extremely low prices.

NOTES.

Vaughan's Seed Store employes held their outing at Western Springs, June 1. It was largely attended. A feature of the day was a baseball contest between Vaughan's Cubs and Vaughan's

White Sox. For five innings Pitcher and Captain Bernier of the White Sox held the slugging Cubs without a hit. In the fifth inning he passed two men, when the star of the Cubs, Neil, made a home run which cleaned the bases. The Cub catcher, O'Brien, with his strong wing flagged a good many men at second base. The pitcher, J. Tomzak, struck out ten men. The most noted feature of the game was the brilliant fielding of A. Littlejohn and Edward Goldenstein, star second basemen. Captain Bernier of the White Sox struck out four times, once with the bases loaded, which was very disappointing. The final score was three to two in favor of Vaughan's Cubs. All those who attended enjoyed themselves very much and hoped that before the summer was over another such gathering would take place with a return game. J. C. Vaughan, Carl Cropp, Mrs. Cropp, Leonard H. Vaughan and Carl Cropp, Jr., were in attendance and helped in many ways to make the occasion enjoyable to every one participating.

Wm. Gear of Cincinnati, O., returning from the Pacific coast, dropped in to see his old friend, A. C. Kohlbrand of the E. C. Amling Co., May 31. Mr. Gear was favorably impressed with the western country, particularly Idaho, and it would not be at all surprising if he would return there in the near future. He was royally entertained by Mr. Kipp of the Spokane Floral Co. while he was in Washington and his visit there was the most enjoyable one of his entire trip.

The Batavia Greenhouse Co. cut its first peonies May 31, which is one week later than last year, according to O. Johnson's records. This firm had a good Memorial day trade which was due chiefly to its magnificent cut of carnations.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

For Weddings and Graduation Exercises

Orchids, Valley, Roses, Beauties, Carnations, Sweet Peas.

ANNOUNCEMENT.

We will be particularly strong on first class **Carnations** this month. We were fortunate in having had a very large supply for Decoration Day. Our estimate of 80,000 was passed. All advance orders were filled as were also most of the late orders. We are receiving many complimentary letters on the good quality of our **Carnations**. Quality and quantity will continue. Can supply large quantities of from five to twenty thousand on short notice at special prices.

Our American Beauties are especially fine quality and coming in large quantities. We have a big run on them but still have plenty for more orders.

Orchids

Gigas, Gaskelliana, Mossiae are now blooming in large quantity. Let us quote you on large quantities. For Table Decorations—for Weddings.

Valley

We have a large supply ready to fill orders on short notice. We grow this in very large quantity.

Use the Best; Poehlmann's is superior.

Roses

We will have our usual large supply of short and medium length Roses. These grades are most desirable for all occasions.

Carnations

Mammoth supply of fancy stock in all the best standard varieties. Write for special prices on large quantities.

Sweet Peas

We will have ample supply of the Spencer or Butterfly varieties, also the common varieties.

Peonies

We will have thousands for Commencements, most valuable flower for this purpose. Our stock is first-class.

Easter Lilies

The valuable Lily we grow in large quantity. It is very popular for Decorations and Weddings.

Am. Beauties

Our extra long are in good supply and are extra fine quality; can fill all orders.

Adiantum, Smilax, Sprengeri, Asparagus, Leucothoe.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

BEAUTIES--ROSES--CARNATIONS

Buy from us and get the best stock in the market at the most reasonable prices.

CURRENT PRICE LIST—Subject to change without notice.

American Beauties

Per Dozen	Per Dozen
60-in. stems.....\$3 00	24-in. stems.....\$1 50
48-in. stems..... 2 50	15-in. stems..... 1 25
36-in. stems..... 2 25	12-in. stems..... 1 00
30-in. stems..... 2 00	

Killarney.

Per 100	Per 100
Extra special.....\$ 7.00	Medium .....\$4.00
Selects..... 6.00	Good..... 3.00
Fancy..... 5.00	Short stems 2.00

Richmond.

Per 100	Per 100
Extra special.....\$7.00	Medium.....\$4.00
Selects..... 6.00	Good..... 3.00
Fancy..... 5.00	Short stems..... 2.00

My Maryland.

Per 100	Per 100
Extra special.....\$ 7.00	
Selects..... 6.00	
Fancy..... 5.00	
Medium..... 4.00	
Good..... 3.00	
Short stems..... 2.00	

White Killarney.

Per 100
Extra special.....\$ 7.00
Selects..... 6.00
Fancy..... 5.00
Medium..... 4.00
Good..... 3.00
Short stems..... 2.00

Sunburst

Per 100
Extra special.....\$10.00
Fancy..... 8.00
Good..... 6.00

Roses, our selection - - - \$3.00

Carnations.

Special.....\$2 50
Good.....\$1.50 to 2.00
HARRISII.....\$12 50 to 15 00
FERNs, per 1000.....\$3.00
SMILAX, per doz.....\$2.00 to \$2.50
ADIANTUM, per 100..... 1.00
GALAX, per 1000..... 1.00
SPRENGERI, per bunch..... .50
ASPARAGUS SPRAYS, per bunch..... .50

Poehlmann Bros. Co. did a large business Memorial day and filled all advance orders in full. This firm had a tremendous crop of carnations as well as roses and all other seasonable stock, and it was a sight to see how well the force handled the trade. The stock at present is arriving in large quantities, including orchids and American Beauty roses. Otto W. Frese says that this firm filled one order on June 3 for 35,000 carnations and 10,000 roses.

D. E. Freres expects to move this week in the new store that Zech & Mann formerly occupied and which has been fixed up in fine shape since they vacated it. Mr. Freres enjoys a good trade and handles a fine line of stock, principally roses and carnations.

P. W. Peterson, superintendent of the J. D. Thompson Carnation Co.'s greenhouses at Joliet, was in the city this week on business pertaining to the new addition that his firm will make this season to its already large plant.

The People's Florist Co. has sold its store at 1736 West Forty-seventh street to Ernest Szontagh, a newcomer in the trade. Mat Kosta, one of the former proprietors, has just bought a new house in Morton Park.

Joseph Ziska, the well known wire manufacturer, is having a big run on hanging baskets and his force is obliged to hustle some to keep up with all the orders.

Fred Strail says that business was very lively at the Williams Flower Shop last week, especially on Memorial day, when a large number of orders were filled.

Mangel, the Palmer House florist, is having some fine window displays nowadays and there is no question but that this kind of advertising pays.

The North Shore Floral Co. had a fine Memorial day trade and is rapidly building up a good paying business.

PERCY JONES

L. M. JONES, Secy.

(Inc.)

H. VAN GELDER, Pres.

Save Money

Investigate These Bargains

PLAIN WIRED TOOTHPICKS.

\$1.50 per package of 10,000

HARDWOOD TOOTHPICKS.

Case of 100 boxes (1 case of 100 boxes) \$2.00 per case.

WATERPROOF CREPE PAPER.

\$1.85 per dozen rolls; \$14.00 per 100 rolls.

GREEN FLORISTS' THREAD.

75 cents per pound.

BEST PLAIN CARDS.

65 cents per 1000.

GREEN SEA ISLAND TWINE.

Three 1-pound boxes for \$1.00.

FIVE-PLY TUBE ROPE.

10 pounds to roll, 10 cents per pound.

SPIRIT NETTING.

12-inch, 6½ cents per yard.

WRITE FOR SPECIAL PRICES ON RIBBONS.

56 E. Randolph St., Chicago

The Early Advertisement Gets There.

AMERICAN BEAUTIES

Heavy cut of young stock running mostly in short stemmed flowers.
Big value for the money.

Roses and Carnations

Tremendous supply of both. Good fresh stock that will ship safely within a reasonable distance. Our short roses at \$3.00 per 100 and our medium roses at \$4.00 to \$5.00 per 100 are good bargains and it will be worth your while to order a sample shipment of this stock. **Do it Today. Now.**

Current Price List

AMERICAN BEAUTIES

	Per doz.
Extra long stems	\$4 00
36 inch stems	2 50 to 3 00
30 inch stems	2 00
24 inch stems	1 50
20 inch stems	1 25
15 inch stems	1 00
12 inch stems	\$6 00 per 100
Short Beauties	4 00 per 100

	Per 100
Richmond	
Killarney	Select
White Killarney	Medium
My Maryland	Short

	Per 100
Mrs. Aaron Ward } Medium	\$8 00
Mrs. Aaron Ward } Short	\$1 00 to 6 00
Roses, in 1000 lots, short to medium,	
\$20.00 per 1000. Good value.	
Carnations, all good	1 50 to 2 00
Carnations, fancy	2 50
Harrisli	per doz. \$1 50 to \$2 00
Valley	3 00 to 4 00
Sweet Peas	75 to 1 25
Smilax	per doz. \$2 00
Peonies	4 00 to 6 00
Adiantum	1 00
Asparagus, per bunch	50c
Ferns, per 1,000	\$3 00

2,000,000 Feet of Modern Glass

PETER REINBERG

30 E. Randolph St., Chicago L. D. PHONE CENTRAL 2846

A. L. Vaughan & Co.'s Memorial day trade showed a great increase over last year, both the local and shipping trade being much better than was at first expected. Mr. Vaughan says that the only thing to mar the day's business was that some of the peonies which were in storage had a tendency to drop their petals which was discovered fortunately before many shipments had been made. He thinks this was because the flowers were affected by the heat while in transit before being stored.

A. T. Pyfer has been performing the Chicago Carnation Co.'s office duties for several days during the absence of Miss Parker, who has been suffering from a severe attack of diphtheria. Joe Burns is now employed in this firm's shipping department.

E. E. Pieser says that Kennicott Bros. Co.'s Memorial day trade exceeded all expectation and that this was the best week his firm has had for some time. Peonies of course were the principal offering and this stock all cleaned up well.

H. E. Philpott of Winnipeg, Canada, was in the city on business May 31, leaving the same evening for Minneapolis, Minn., on convention matters pertaining to his committee.

Chas. Brown has been calling on the trade in the interests of the American Importing Co. since Ray Parker has severed his connection with that firm.

Philip L. McKee and wife attended the auto races at Indianapolis, Ind., on May 30.



PEONIES ORCHIDS

And all other flowers for June Weddings and School Closings. Extra fancy stock in quantity at lowest market prices. **Fine crop of Cattleya Gigas now on. Order your supply from me.**

Send for complete Price List

CHAS. W. MCKELLAR

Phone L. D. Central 3598

22 E. Randolph St., CHICAGO

Sam Pearce is using Moninger materials in the four new houses. 25x125 feet, that he is erecting at Jefferson Park.

Miss O. A. Tonner received several shipments of local grown peonies on the morning of May 30 that brought good prices and cleaned up quickly.

American Beauties--Sweet Peas

Peonies--Orchids--Roses--Valley--Gladioli and other choice stock for June Weddings and Commencements. Our stock is exceptionally fine for shipping purposes so you would do well to entrust your orders with us.

A. L. VAUGHAN & CO.,
(NOT INC.)
161 N. Wabash Ave., **CHICAGO**
TELEPHONES: { Central 2571
 " 2572
 Auto. 48-734

The Chicago Flower Growers' Association cleaned up well in all lines of stock for Memorial day, when trade was exceptionally good. Local grown peonies from the Wellworth Farm Greenhouses and the Riverbank Greenhouses are now being featured at this store. J. F. Kidwell visited one of the peony farms owned by a stockholder of his firm last week and says that the recent frost in this particular place did a great deal of damage to the stock and that the owner, who usually cuts 150,000 flowers, would do well if he cut 25,000 this season.

Wietor Bros. had a large supply of stock for their Memorial day trade, which N. J. Wietor says was one of the best ever. This firm was very fortunate throughout the past year by having stock at all holidays and this time it was no exception even on carnations, for there were plenty to fill all orders. American Beauty as well as all other stock is in oversupply at their store now.

Bassett & Washburn are cutting heavily in yellow roses and home grown peonies. The supply of other stock is very large and the firm would probably welcome the orders now that it was obliged to cancel for Memorial day. C. L. Washburn is looking forward with pleasure to his trip to California and it is needless to add that he is entitled to a well-earned rest.

At Peter Reinberg's store young American Beauty roses in short and medium lengths seem to be the principal offering, although the supply of roses and carnations in general is unusually large. The Memorial day trade at this store was as good as in former years, with the shipping trade better than ever.

Percy Jones filled a large number of Memorial day orders, and trade was so brisk in F. J. Simon's cut flower department on the shipping days that the boys were obliged to work overtime so late that they had to carry the packages over to the express companies themselves in order to make the trains.

Zech & Mann moved into their new quarters just in time, otherwise they would have been greatly handicapped in taking care of their Memorial day trade. Business was much better than last year and all lines of stock were in brisk demand.

At Chas. W. McKellar's store *Cattleya gigas* are now seen in large supply as well as home grown peonies which are now the principal offerings. This firm was well satisfied with the Memorial day trade.

Gust Economopolus, a brother of George Economopolus, proprietor of the Alpha Floral Co., is now conducting the new flower stand in the Michigan avenue entrance of the People's Gas Building.

The Chicago Great Western has been named the Official Route of the Chicago Florists' Club to the Minneapolis Convention, August 19th to 22nd.

The Chicago Florists' Club will leave Chicago by Special Train at 6.15 p. m., August 18th, an invitation is extended to all eastern Florists and their friends and families to join them at Chicago and go to the convention in a body.

Special train will be "up-to-the-minute" throughout—including compartment and drawing room and standard sleepers, Buffet Club car, dining cars, Observation parlor, etc., etc.

For berths and information address,

A. L. CRAIG, General Pass. Agt.,
1139 People's Gas Bldg., CHICAGO, ILL.



The Cook County Florists' Association bowling league closed its season last Wednesday, June 4. The prizes will be awarded at the next meeting of the association on Thursday, June 19.

John Evans, with the Quaker City Machine Works, Richmond, Ind., transacted business here on May 31. The Evans family is at present quarantined with scarlet fever.

The Busy Bee Floral Co. opened its new store at 228 South State street last week. The proprietors are Theo. Boukitis, Peter Boukitis and Frank Capes.

W. E. Lynch, formerly with A. L. Vaughan & Co., left June 1 to join his family and spend the summer in Massachusetts.

Wm. Abrahamson helped out at A.

U S Budlong's
E Blue Ribbon Valley.

L. Vaughan & Co.'s store during the Memorial day rush.

Thurman, the Florist, has opened a new store at 436 East Forty-third street.

J. C. Vaughan and wife left for Europe June 3 via Montreal and Liverpool.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association


WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS
L. D. Phone
Randolph 5449

176 N. Michigan Ave.

Chicago

In Quantity:

PEONIES ROSES Carnations Sweet Peas

And everything else seasonable
in Cut Flowers and Greens.

Current Price List. Subject to change without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$2.00	1.50
Killarney.....per 100	8.00	6.00	5.00	4.00	3.00
White Killarney....."	8.00	6.00	5.00	4.00	3.00
My Maryland....."	8.00	6.00	5.00	4.00	3.00
Richmonds....."	8.00	6.00	5.00	4.00	3.00
Mrs. Aaron Ward....."	8.00	6.00	5.00		
Sunburst....."	8.00	6.00	5.00		
Carnations....."	3.00	2.00	1.50		
Lily of the Valley....."	4.00	3.00			
Peonies....."	6.00	5.00	4.00		
Sweet Peas....."	1.50	1.00			
Easter Lilies....."	12.50	10.00	.75		
Daisies....."	1.50	1.00			
Asparagus Plumosus Sprays....."	4.00	3.00	2.00		
Asparagus Sprengeri Sprays....."	3.00	2.00			
Smilax....."	16.00	12.50			
Galax, Green and Bronze.....per 1000	1.00				
Ferns....."	3.00	2.50			
Boxwood.....bunch	.25				
Adiantum.....per 100	1.00	.75			

The peony show of the Horticultural Society of Chicago has been set for June 12-13 at the Art Institute, date subject to change as the condition of the crop warrants. The premium list is now ready and includes medals and cash prizes. Special prizes are offered by E. E. Pieser, W. W. Barnard Co., Peterson's Nursery, Vaughan's Seed Store and Kennicott Bros. Co. Copies of the premium list may be had on application to R. J. Haight, Rand-McNally Building, Clark and Harrison streets, Chicago.

The next regular meeting of the Florists' Club will be held at the Union Restaurant, West Randolph street, on Thursday, June 5. Chairman T. E. Waters of the good of the club committee has made arrangements to have Madame Peony present, and in honor of her the president has called it "Peony Night." There will be quite an exhibit and an interesting meeting is looked for. A copy of the new by-laws has been mailed to all members.

The J. B. Deamud Co. had a good call for Double White narcissus on Memorial day, and disposed of all its stock very easily, but made a mistake by selling the stock too cheaply. Mr. Deamud said that the flowers which were in storage came out as fresh as daisies, but he feared that the market would slump as in former years, consequently he sold it at what he thought was a fair figure.

John Kruchten and his force had their hands full to take care of the Memorial day trade, which was the best ever, and exceeded all expectations. The fine peonies that this firm offered were quickly bought up by the trade.

Erne & Klingel cleaned up practically in everything on Memorial day, and enjoyed one of the best holiday trades that they have yet had. Peonies and Killarney roses of fine quality are now features at this store.

For June Weddings

**Peonies, Roses, Carnations,
Sweet Peas, Gladioli, and all
the seasonable stock in quantity.**

Write for Special Prices on Large Lots.

J. B. Deamud Co.

160 N. Wabash Ave., CHICAGO.

Adam Zender is filling quite a number of orders for choice rose plants. One customer was so well pleased with his stock that he immediately duplicated his order.

The Geo. Wittbold Co. has just received another large shipment of palms. This firm has had a very good season and was well satisfied with its spring trade.

Carl Ickes and family sailed on June 2 from New York to Europe. Mr. Ickes was formerly with the A. Dietsch Co., and is well known to the local trade.

Kyle & Foerster have some fancy peonies which are now arriving in quantity. The Memorial day trade was very good at this store.

U S Budlong's E Blue Ribbon Valley.

The A. L. Randall Co., as usual, had a big Memorial day trade in both the cut flower and supply departments.

Peter Olsem's Carnations defeated the Elks last Sunday at Joliet by a score of 3 to 2.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

SUPPLY DEPARTMENT

E. H. HUNT'S Entire force of Wire **POEHLMANN'S**
Workers are now with

Which places us in the foremost ranks to handle and execute large orders promptly and make up special work on short notice.

— BASKETS —

For Commencements and Weddings.

Also Tumbler Baskets and Plateaux.

Price—right stock, new assortment selected for your approval, \$5.00 and up.

American Oak Sprays, per pound, 30 cents. **Special Sale of Three Stripe Chiffon**, the very best quality, 4-inch, 2½ cents; 6-inch, 3½ cents; 10-inch, 6½ cents.

30 PER CENT DISCOUNT ON WIRE GOODS THIS WEEK ONLY.

Cape Flowers, Ruscus, Magnolia Leaves, Wheat Sheaves.

Cut flower boxes, Corrugated Boxes and Oak Wreaths for Memorial Day.

A trial order will convince you that we can deliver the goods.

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street,

L. D. Phone, Randolph 6578

CHICAGO, ILL.

The North Shore Florists' and Nurserymen's Association held a meeting at Winona hall June 2, when the society decided to broaden out and invite all the local florists to join for the purpose of promoting and protecting the retail business. A circular pertaining to this will soon be mailed to all the florists, and it is expected that a meeting will be held soon somewhere in the loop.

John Carney, representing Buchbinder Bros., manufacturers of florists' refrigerators, with headquarters at 713 Milwaukee avenue, has returned from a business trip to Texas. The Buchbinder Bros. are so busy at present that Sidney Buchbinder, the sales manager, has been obliged to postpone a vacation trip to the Pacific Coast.

Ed Wild of Sarcoxie, Mo., was in the city last week looking after the peony interests of Gilbert H. Wild and the Frank H. Wild Floral Co. He says that this was the best year that either of the firms had, and that Gilbert Wild shipped 1,750 cases, Frank H. Wild 30 cases and Wild Bros. Nursery 600 cases.

Phil Schupp was more than pleased with the Memorial day trade at J. A. Budlong's store, and reports a clean-up in almost all lines. His firm is now strong on lily of the valley as well as all other seasonable stock.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

Hoerber Bros. sold about every flower they had in the store on Memorial day, and could easily have filled many more orders if they had the stock.

The E. C. Amling Co. is showing some of the finest peonies of the season, and the stock is attracting a great deal of favorable attention at the store.

Walter Rupp is the proud possessor of a new "six" car. His friends are advising him to be careful and not exceed the speed limit as before.

Wieland & Risch had such a large Memorial day trade that it was impossible to fill all orders.

Visitors: John Evans, Richmond, Ind.; H. E. Philpott, Winnipeg, Canada; H. H. Cade, Cairo; — Carrol, Elkhart, Ind.; William Gear, Cincinnati, O.; Ed. Wild, Sarcoxie, Mo.; John Bourgaire, Racine, Wis.; Otto Hirschfeld, Cincinnati, O.

Oak Wreaths

Natural prepared **American Oak Wreaths**, made from preserved and fireproof Oak Sprays in cherry red, golden brown and natural green. Two sizes, 18 and 24 inch. Sample of 24-inch wreath will be sent postpaid on receipt of 90c.

OSCAR LEISTNER, 17 North Franklin Street
CHICAGO

Selling Agents for OVE GNATT Hammond, Ind.
Preparer of natural foliages.

Mention the American Florist when writing

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.

713-717 Milwaukee Ave., CHICAGO

Mention the American Florist when writing

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

68 E. Randolph Street,

Private Exchange to
all Departments. Phone Central 7720.

CHICAGO

Everything in Cut Flowers and Supplies.

Kennicott Bros. Co.

Wholesale Cut Flowers
PEONIES

Extra select, \$5.00 to \$6.00 per 100.
Select, \$3.00 to \$4.00 per 100.

163-165 N. Wabash Av.
CHICAGO

L. D. Phone Central 466

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO
ROSES and CARNATIONS
Our Specialties.

HOERBER BROS.

Wholesale Cut Flowers
Growers of

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., CHICAGO

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

ZECH & MANN

Wholesale Florists

Room 218, 162 N. Wabash Av., Chicago

Telephone, Central 3284.

Dominic E. Freres

WHOLESALE FLORIST

Roses, Carnations and all other seasonable cut
flowers and Greens. Fine fresh stock obtainable
at all times at lowest market prices. Give me a
trial order.

162 N. Wabash Avenue, CHICAGO

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers
at Lowest Market Prices.

30 E. Randolph St., CHICAGO

Mention the American Florist when writing

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, June 4.	Per doz.
Roses, Beauty, specials.....	\$4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 28-in.....	2 00
" " 15-20-in.....	1 25@ 1 50
" " 12-in.....	75
" " Short.....	2 00@ 4 00
" Killarney.....	3 00@ 8 00
" White Killarney.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" Prince de Bulgarie.....	3 00@ 8 00
" Radiance.....	3 00@ 8 00
" My Maryland.....	3 00@ 8 00
" Melody.....	3 00@ 8 00
" Mrs. Jardine.....	3 00@ 8 00
" Lady Hillingdon.....	3 00@ 8 00
" Sunburst.....	3 00@ 8 00
Carnations.....	1 50@ 2 00
Daisies.....	1 00@ 2 00
Cattleyas...per doz., 6 00 and up.	
Gardenias.....	2 00@ 4 00
Lilium Harrisii.....	10 00@12 50
Peonies.....	2 00@ 6 00
Valley.....	3 00@ 4 00
Sweet Peas.....	75@ 1 50
Adiantum Croweanum.....	2 00
Boxwood.....per lb.	25
Ferns.....per 1000.	3 00@4 00
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy...per 1000.	5 00@6 00
Plumous Strings...each.	50@ 60
Smilax.....per doz., 2 00@2 50	
Sprengeri Plumous Sprays.....	3 00@ 4 00



We have a big supply of
Mexican Ivy

and a surplus of choice

MAGNOLIA LEAVES
AND PREPARED PALM LEAVES.

H. WITTBOLD

56 Randolph St., CHICAGO

Phone Randolph 4708

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing

Wietor Bros.

Wholesale CUT FLOWERS
Growers of

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

Chicago Carnation Co.

Wholesale Florists.

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

Mention the American Florist when writing

CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

Green Sheet Moss

For lining hanging baskets, for decorating
show windows for covering soil on pot
plants, etc. 1 Bale (5 bundles).....\$1.25
5 bales (25 bundles)..... 6.00

GEO. H. ANGERMUELLER,
Wholesale Florist. ST. LOUIS, MO.

Philadelphia.

BIGGEST MEMORIAL DAY YET.

Memorial day did all that was expected of it and more, as the trade, both local and out of town, was larger in volume than ever before. Peonies were the feature and the demand was great. Toward the last the supply shortened up and thousands of buds went out that the dealers would have a great time opening up in time. The early part of the week was wet and very cool, which held them back. A couple of hot days, usual at this time of year, would have made a great difference. All kinds of stock was in demand, roses and carnations particularly selling up to the limit. Carnations are handled more easily now that the fires are out and gas is turned out of many of the buildings. Snapdragon is still fine. The larger varieties of gladioli are coming in and will soon be a factor in the market. Sweet peas have been in great demand. The coming week or two will see the market flooded with the outside stock, which should be fine, as the heavy rains of the past week was favorable to them. Some very choice Easter lily stock is seen. There is also a good supply of lily of the valley.

CLUB MEETING.

S. S. Skidelsky's paper on "The Square Deal" was the feature of the June meeting of the Florists' Club. He took up the relations between growers and retailers, taking the position that all should unite and pull together for mutual benefit. The national flower for Philadelphia in 1915 is to be the topic of the July meeting. Efforts will be made to obtain an entire floor of the Wanamaker store for the display. This contains about 125,000 square feet. The club outing is to be held June 19 at Washington park. The steamer will leave Arch street wharf at 1:30 p. m. Tickets, including dinner and boat ride, \$2.00 each person. There will be lots of prizes for games and races for both ladies and gentlemen. Everybody come. Edward Reid, on behalf of the flood committee for the western sufferers, reported the collection so far to be about \$500, and said the list was still open for more contributions.

NOTES.

John Welsh Young, one of the large growers of this city, is sending out signals of distress on behalf of his brother growers. He claims that average prices are so low that profits are not at all what they should be for the

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, June 4.		Per 100
Roses, Beauty, extra.....	20 00@35 00	
first.....	10 00@15 00	
Brides and Maids.....	3 00@8 00	
Killarney.....	4 00@12 00	
White Killarney.....	4 00@12 00	
Liberty.....	4 00@12 00	
Carnations.....	2 00@4 00	
Cattleyas.....	35 00@50 00	
Gardenias..... per doz., 1 00@2 00		
Lilium Harrisii.....	8 00@12 00	
Lily of the Valley.....	3 00@5 00	
Calla Lilies.....	10 00@12 00	
Marguerites.....	75@1 00	
Snapdragons.....	6 00@8 00	
Sweet Peas.....	75@1 50	
Peonies.....	6 00@8 00	
Gladiolus.....	3 00@6 00	
Asparagus..... per bunch, 50		

PITTSBURG, June 4.		Per 100
Roses, Beauty, special.....	50 00	
extra.....	30 00	
No. 1.....	15 00	
Killarney.....	3 00@10 00	
My Maryland.....	3 00@10 00	
Richmond.....	3 00@10 00	
Carnations.....	3 00	
Calla Lilies.....	12 00	
Freesias.....	3 00	
Gardenias.....	3 00	
Daisies.....	2 00	
Cattleyas.....	50 00	
Violets.....	50@75	
Sweet Peas.....	75@1 00	
Lilium Longiflorum.....	12 00	
Lilium Rubrum.....	8 00	
Lily of the Valley.....	4 00	
Daffodils.....	3 00	
Tulips.....	3 00	
Paper White.....	3 00	
Romans.....	2 00	
Poeticus Narcissus.....	1 00	
Oncidiums.....	4 00	
Lilac..... per bunch, \$1 00		
Asparagus Sprengeri, per bunch, 35@40		
Sprays..... per bunch, 35@40		

MILWAUKEE, June 4.		Per 100
Roses, Beauty, per doz., 3 00@4 00		
White and Pink Killarney, 4 00@10 00		
Richmond.....	4 00@10 00	
Carnations.....	1 50@3 00	
Easter Lilies.....	8 00@10 00	
Lily of the Valley.....	4 00	
Sweet Peas.....	75@1 50	
Daisies.....	75@1 00	
Peonies.....	5 00@6 00	
Asparagus..... per string, 50		
Sprengeri, per bunch, 35		
Ferns, fancy..... per 1000, \$2 00		

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,
142 North 13th St., PHILADELPHIA, PA.
Easter Lilies, Carnations, Sweet Peas,
all the popular roses. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist.
1312 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.
WHOLESALE FLORISTS

1316 Pine St.,
Both L. D. Phones, ST. LOUIS, MO.
Sup, lies and Everything in Season always on hand

For June Weddings—Commencements

BEAUTIES—The largest and best supply in Philadelphia. **VALLEY**—Never without it: a fresh supply every day. **PEONIES**—White and pink, all good varieties. **SWEET PEAS**—We will be very strong on Peas during this month, and are offering you splendid values in this line.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

Edward Reid

WHOLESALE FLORIST,
1619-21 Ranstead St., PHILADELPHIA, PA.
Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

U S Budlong's E Blue Ribbon Valley.

risks and trouble taken to produce the stock. Perhaps it would be well before taking this matter seriously to ask Brother Young to look around and see how much glass is going up the present season, and who creates the inspiration that induces the growers to thus get deeper in the hole.

An effort is being made to bring about a general decoration of graves on Memorial day and secure a business such as is enjoyed by the Boston florists. It can be done, or at least the demand can be made much greater and gradually worked up until the custom becomes firmly fixed and perhaps grow into a floral day of great importance.

The M. Rice Co. has inaugurated an early closing movement so as to give their employees more time at home during the summer months. Closing hours will be 5 p. m. on all days except Saturday, when the hour will be 1 p. m.

The Leo Niessen Co. is proud of its Memorial day business, it being the largest in the firm's experience. American beauty roses, peonies, lily of the valley and sweet peas are leaders at this time.

Berger Bros. had a fine demand for Memorial day, their shipping trade being much ahead of last season. Peonies and sweet peas are features here.

Orchids have been a factor with Edw. Reid, much of his stock grading high. Memorial day business was fine, a cleanup in all lines.

George Cook of Chester has opened a retail store in that city and is much pleased with his first month's business.

K.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, June 4.	Per 100
Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	10 00@15 00
" " No. 1.....	7 00@10 00
" " No. 2.....	3 00@5 00
" Maid and Bride.....	3 00@6 00
" Pink Killarney.....	3 00@8 00
" White Killarney.....	3 00@8 00
" Richmond.....	3 00@8 00
" My Maryland.....	3 00@8 00
" Aaron Ward.....	4 00@6 00
" Kaiserin.....	4 00@8 00
" Carnot.....	4 00@8 00
Snapdragon.....	3 00@5 00
Swainsona.....	75@1 00
Carnations.....	2 00@4 00
Lilium Longiflorum.....	10 00@12 00
Lily of the Valley.....	3 00@4 00
Pink Japan Lily.....	3 00@5 00
Peonies.....	4 00@6 00
Mignonette.....	2 00@3 00
Daisies.....	1 00@1 25
Sweet Peas.....	50@1 00
Asparagus, per bunch.....	35@ 50
Asparagus, Sprengerli.....	35@ 50
Ferns.....	per 1000, \$2 50

BOSTON, June 4.	Per 100
Roses, Beauty, best.....	20 00@25 00
" " medium.....	12 00@20 00
" " culls.....	4 00
" White and Pink Killarney, Special.....	8 00
" White and Pink Killarney, Extra.....	4 00@6 00
" Killarney Queen Special.....	8 00@10 00
" Mrs. Chas. Russell.....	10 00@12 00
" Taft.....	4 00@10 00
" Cardinal.....	2 00@10 00
" Ward and Hillingdon.....	2 00@8 00
" Richmond.....	2 00@8 00
" My Maryland.....	2 00@8 00
Carnations, select.....	3 00@4 00
Callas.....	8 00@12 00
Cattleyas.....	25 00@40 00
Gardenias.....	12 00@25 00
Lilium Longiflorum.....	6 00@8 00
Lily of the Valley.....	2 00@3 00
Sweet Peas.....	50@ 75
Daisies, Marguerites, per doz.....	1 00@2 00

CINCINNATI, June 4.	Per 100
Roses, Beauty.....per doz., \$1 00@3 00	
" " Bride, Bridesmaid.....	3 00@8 00
" " Killarney.....	3 00@8 00
" " My Maryland.....	3 00@8 00
" " Perle.....	3 00@8 00
" " Richmond.....	3 00@8 00
" " Taft.....	3 00@8 00
Carnations.....	2 00@3 00
Lilium Giganteum.....	8 00@12 50
Lily of the Valley.....	3 00@4 00
Sweet Peas.....	35@ 50
Peonies.....	3 00@6 00
Cape Jasmine.....	1 00@2 00
Asparagus Plumosus.....per bunch,	25
Snapdragon.....	4 00@6 00



Give Us a Trial We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO., Wholesale Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO
Wholesale Commission Florists
Consignments Solicited
Complete Stock of Florists' Greens and Supplies

ST. LOUIS, June 4.	Per 100
Roses, Beauty, long.....per doz.,	3 00
Roses, Beauty, medium.....	8 00@15 00
Roses, Beauty, short stems.....	3 00@5 00
" Killarney.....	3 00@5 00
" My Maryland.....	3 00@5 00
" White Killarney.....	3 00@5 00
Carnations.....	1 00@2 00
Lilium Rubrum.....	8 00
Valley.....	4 00
Sweet Peas.....	20@ 60
Asparagus Sprengerli.....	2 00@3 00
Asparagus Plumosus, per bu.,	35@60
Ferns, New Fancy.....	2 00
Galax.....	per 1000, 1.25

The Ohio Horticultural Society and The American Peony Society

JOINT EXHIBITION

GRAYS ARMORY CLEVELAND JUNE 12-13-14-1913

Premium List for the Asking.

JOHN N. STOCKWELL, Sec'y, - Room 218, City Hall, CLEVELAND, OHIO

New York.

The Memorial day business was good for the wholesale district. Except in carnations, which advanced sharply, there was no great rise in prices, but stock cleaned up very well. Most of the business was transacted on May 28 and 29, May 30 being a half holiday. There was considerable demand for carnations for the Boston market and the prices reached \$4 and \$5 a 100 for special stock. In roses there was no advance worthy of note. Peonies have been arriving in great quantities during the past week, and it is extra fine stock that will wholesale for \$1 or more a dozen, 60 and 75 cents being the ruling prices. There is no great surplus of any stock, cool and dark weather having held it back. There are plenty of orchids to supply the demand, which is light. As previously mentioned in these columns, the leading retail stores of this city do but little Memorial day business. For the dedication of the monument to the memory of those who perished in the battleship Maine there were a number of fine floral designs. The Colonial Florists, Broadway and 157th street, arranged a fine piece reproducing the coat of arms of the State of Maine.

NOTES.

The great event of Memorial day was the unveiling of the monument to the heroes of the Maine, at Columbus Circle and Fifty-ninth street. The floral tributes were notable for their merit as well as for distinguished donors. President Wilson sent a wreath which was placed at the base of the monument by Father Chidwick, chaplain of the Maine at the time of the disaster. There were wreaths from the republic of Cuba, the state of New York, the city of New York, the secretary of the navy, the Association of Spanish War Nurses, Rear Admiral Sigsbee, and others. The tribute of the state of Maine was in the form of an immense plaque, 7x10 feet, with the state coat of arms worked in immortelles in the center. The ground work was of laurel and magnolia leaves. Among the local florists whose work was noted in their designs were Chas. Morley, Fifth avenue and Forty-sixth street; the Colonial Florists, Broadway and One Hundred and Fifty-seventh street; Drakos & Co., 2053 Broadway, and the Riverside Florists, 200 West Ninety-sixth street. For the purpose of making the monument site one of the most beautiful as well as interesting in New York's greatest park, Park Commissioner Stover has caused to be planted near the monument site what he has named the grove of fleets. This is just back of the monument, and Mr. Stover searched scores of the great

Insecticides, Fungicides, Vermicides, Etc.

Our company is now in position to cater to the demands of floriculturists, horticulturists and agriculturists alike with our various products. Our list includes **APHINE**, an insecticide intended for general greenhouse and garden work against all sap-sucking insects; **SCALINE**, adapted principally to nurseries, orchards and the field for all scale and sap-sucking insects; **FUNGINE**, a fungicide which has already taken the place of Bordeaux Mixture and lime and sulphur among many leading growers; **VERMINE**, a soil sterilizer and vermicide for all soil worms and insects—to which we now add **NIKOTIANA**, which will prove as efficient as the other Nicotine preparations already established.

For further particulars see our regular advertisement, page 1146.

Aphine Manufacturing Company,

Manufacturers of Agricultural Chemicals,

M. C. EBEL, General Manager.

MADISON, N. J.

nurseries to get scarlet oaks to represent the ships that fought under Dewey at Manila, while for the ships that fought the battle of Santiago under Sampson the Commissioner has planted red oaks, one for each ship. Finally, to complete his idea, he has planted the finest specimens of pin oaks, each representing one of the great battleships of the present day navy.

We learn that Governor Sulzer has vetoed the bill appropriating \$60,000 for greenhouses for experimental work in horticulture and agriculture at Ithaca. Far be it from us to discuss politics or criticize Mr. Sulzer in these columns. We will, however, state a few facts about how money is saved and wasted—principally wasted—in this great state. Some years ago it was decided to build a prison, or as we understand it, an annex to Sing Sing. After \$200,000 had been spent it was found that the site was not available and that the money was wasted. Another instance was an attempt to establish a rifle range near Nyack. After thousands of dollars had been expended on buildings for officers and men, somebody thought it would be worth while to get some men on the ground with rifles to do some shooting. They came and went into practice and the bullets flew over into the town of Nyack. The rifle range was abandoned and that money was as good as wasted. The greenhouses at Ithaca were needed. They were intended for a useful purpose, but the governor in his inscrutable wisdom has vetoed the bill.

Gold Letters

1 1/4 inch.....	45c per 100
1 "	40c " "
3/4 "	35c " "

Script Words.

2 1/2 cents each. All kinds in stock. Gold or purple.

Cycas Leaves.

12 inch.....	\$2.25 per 100
16 "	3.00 " "
20 "	3.75 " "
24 "	4.50 " "
32 "	5.25 " "
36 "	6.25 " "
44 "	8.50 " "
48 "	10.10 " "

American Importing Co.

219 Dearborn Street, Chicago

There was a general closing of wholesale stores on the afternoon of Memorial day, and a number of the leading retailers also closed.

Several leading retailers have booked orders for June weddings and it is hoped that this will be a good month.

The Horticultural Society of New York will hold an exhibition in the Museum Building, Botanical Garden,

PHILADELPHIA

NEW YORK

WASHINGTON

OFFICIAL
S. A. F.**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.

**Shipping Labels**

FOR CUT FLOWERS: in two colors on gummed paper: your card, etc., in black and leaf adopted by the S. A. F. in red
Price per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago

Bronx Park, June 7-8. The schedule of premiums includes peonies, hardy roses, hardy flowering shrubs, hardy herbaceous plants, irises and orchids.

Philip F. Kessler of the Cut Flower Exchange is now receiving daily shipments of General Jacqueminot roses.

A movement is on foot among the wholesalers to close their stores on Sunday. A. F. F.

Brooklyn N. Y.**MEMORIAL DAY TRADE.**

The number of beautiful and extensive cemeteries that are located within the limits of this borough are a source of business for many florists, particularly at the near approach of Memorial day. The name of Greenwood cemetery is known throughout the length and breadth of this land and sacred memories of it linger in the hearts of many who to-day are dwellers in other countries. The Memorial day business of the florists located near Greenwood was greater this year than ever before. In addition to wreaths and bunches there was a strong demand for plants. Well flowered geraniums were not plentiful and sold readily at \$1.50 and in some instances \$1.75 a dozen. Prominent among the Greenwood florists who had heavy business were John Condon, James Weir, Jr.'s, Sons and H. Weber, Jr. The cemetery business of Brooklyn drew heavily on the wholesale district of New York for cut flowers.

NOTES.

Evergreen cemetery, or the "Cemetery of the Evergreens," is in the eastern part of the city, and near its main entrance we found several prosperous florists, the business of all, we believe, being almost altogether one or another branch of cemetery trade, such as caring for lots, planting, making up and covering graves with holly and evergreens at Christmas. All these florists have glass, growing a variety of stock, but they buy largely in the wholesale markets. K. Rodman, 41-43 Conway street, has a good store and was found very busy with Memorial day preparations. In the same block, 45 Conway street, Frank Albrecht, Jr., has also a good store and greenhouses. At 35 Conway street there is a similar establishment conducted as the Estate of Wm. H. Hull. Although these last named stores were visited early in the week business was even then very active.

Woodhaven and Richmond Hill are prosperous suburbs and several florists are located there. Charles F. Douglas, who over a year ago located at 1149 Jamaica avenue, Woodhaven, has a good store and greenhouse, and in addition to cut flowers and plants is handling seeds, gold fish and aquariums.

S. Petersen has a store at 2913 Jamaica avenue, Richmond Hill, with greenhouses at Maple Grove cemetery. Frank Fluhr is an enterprising young man who now has the store at 327 Park street, Richmond Hill, once conducted by Charles Weiss.

Joseph Trepel, a brother of Charles C. Trepel, who sells the flowers in department stores of Bloomingdale Bros., Gimbel Bros. and Simpson & Crawford, Manhattan, has four stores in this borough, one being at Broadway and Decatur street.

The Marguerite Flower Co., which is conducted by M. Taronow and J.

Paul Meconi**Wholesale Florist****55-57 West 26th Street
NEW YORK CITY**

Telephone: 3864 Madison Square

Wholesale Flower Markets

NEW YORK, June 4.		Per 100
Roses, Beauty, special.....	10 00@15 00	
" extra and fancy ..	8 00@10 00	
" No. 1 and No. 2 ..	1 00@3 00	
Killarney, My Maryland..		
" special.....	6 00@8 00	
" extra	3 00@4 00	
" No. 1 and No. 2 ..	1 00@3 00	
" Queen, special.....	7 00@10 00	
" Red, special.....	7 00@9 00	
Hillingdon, Aaron Ward..	5 00@6 00	
Richmond.....	50@8 00	
Sunburst, special.....	6 00@8 00	
Taft, special.....	8 00@10 00	
Mrs. Geo. Sawyer, special..	10 00@20 00	
Carnations.....	1 00@2 50	
Cattleyas.....	25 00@60 00	
Gardenias.....	5 00@15 00	
Lilies, Longiflorum and Harrisii..	5 00@6 00	
Lily of the Valley.....	3 00	
outdoor.....	1 00@1 50	
Gladiolus.....per doz., \$1 00@1 50		
Sweet Peas.....per doz., bunches, 40@50		
Spencer type, per doz.		
bunches.....	1 75@1 00	
Adiantum Croweanum.....	15@50	
Asparagus Plumosus.....doz. bchs, 1 50@3 00		
Smilax.....per doz. strings, 1 00@1 25		
Stocks.....per bunch, 20c@50c		
Snappdragons.....per doz., 25c@50c		
Peonies, mixed, per doz., 75c@1 00		
common stock, per doz., 50c		

Jacobs, and has a good store at 1392-94 Broadway, carries a good stock and is doing a good business.

The retail business founded many years ago by the late Richard Metcalf is still prosperous, one large store being at 1529 Broadway.

The Flower Shop, 3310 Jamaica avenue, Richmond Hill, is managed by A. Knickman. A. F. F.

New Rochelle, N. Y.

Business was good during Memorial day week, though the florists of this place do not seem to have any reason for complaint throughout the season. At the store of W. S. Hitchcock, Inc., we found business good. This firm is also in the seed business.

The Bassi Brothers, 202 Main street, have a good store with a neat conservatory attached, and we found them very busy. A specialty of this store is the following of the French styles in designs and decorations.

Mrs. Mary J. Patterson is yet active in business, having a well stocked store at 235 Main street, and greenhouses in another section of the city. She is one of the pioneer florists.

Thos. J. Wade, 295 Main street, is now turning his attention largely to nursery, forestry and landscape work. He takes contracts for repairing and spraying trees.

M. Chamoise has taken the greenhouses formerly conducted by W. S. Hitchcock. He seems to be an industrious young man and should be successful.

The nurserymen of this city are no inconsiderable factor in the trade. The Fifth avenue nurseries of Anton S. Peterson are well worthy a visit.

A. F. F.

**HORACE E. FROMENT****WHOLESALE COMMISSION**

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITYTelephones: 2200 and 2201 Madison Square.
Mention the American Florist when writing**WM. A. KESSLER**

Successor to Kessler Bros.

**113 W. 28th St., NEW YORK.
CUT FLOWERS****WHOLESALE PLANTSMEN AND FLORISTS**Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.
Mention the American Florist when writing**N. Y. Cut Flower Exchange**Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Mention the American Florist when writing

Geo. C. Siebrecht**WHOLESALE FLORIST****109 West 28th St., NEW YORK**

Tel. 608 and 609 Madison Square

CONSIGNMENTS SOLICITED

Mention the American Florist when writing

Guttman Flower Growers Co.

A. J. GUTTMAN, President.

Wholesale Florists

Removed to 102 W. 28th St., New York

Phone 1912 and 7983 Madison Square.

18 Years Experience.

Mention the American Florist when writing

The Kervan Company**FRESH CUT EVERGREENS**and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

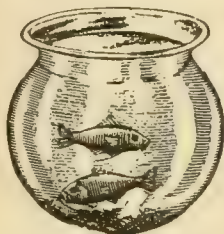
M. RICE CO.

LEADING FLORISTS' SUPPLY AND RIBBON HOUSE.

We close at 5 P. M. on Week Days, 1 P. M. Saturdays
During June, July and August and on Saturday, May 31st.

1220 Race Street, PHILADELPHIA, PA.

GOLDFISH



Asstd. sizes, Medium and Large,
\$7.00 per 100.

Also
Bird
Remedies
and
Supplies

AUBURNDALE GOLDFISH CO.

1449 Madison Street,

CHICAGO

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av .. New York
Telephone 1202 Madison Square.

U S Budlong's E Blue Ribbon Valley.

Detroit.

TRADE SATISFACTORY TO ALL.

Memorial day trade was highly satisfactory to growers and retailers alike. The former was fortunate in having fair, and in some cases, heavy crops of cut flowers nicely timed to meet the special call. Flowering plants, too, of all kinds in great quantities were available and all disposed of. The retailers were happy because of the availability of plenty of stock of all kinds, and this favorable condition was augmented by fine weather and the good supply of wreaths made of artificial flowers and magnolia leaves of which many were sold. The fast developing popularity of these effects in artificial flowers was never before so apparent in this city—and nearly every dealer is now awake to the possibilities in this line of stock and making the most of it.

J. F. S.

WAUKESHA, WIS. — The Weaver greenhouses, which were purchased three years ago by the Milwaukee Electric Railway & Light Co., have been sold to A. M. Model. Mr. Model is an experienced florist and will no doubt make a success of the business.

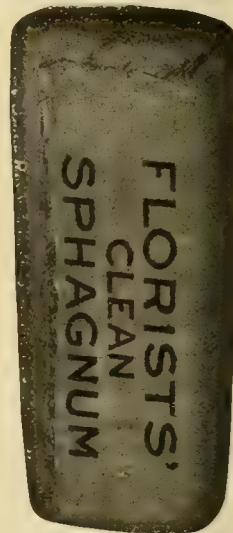
SAN FRANCISCO, CALIF.—The California Flower Market has leased for a period of 15 years a new building being erected on Bush street. The building has a frontage of 58 feet 9 inches and a depth of 207 feet. The basement, containing 13,700 square feet, will be used by the flower market and the rest of the building will be rented for store purposes.

Sphagnum Moss Headquarters

FULL SIZE BALES, CLEAN STOCK,
NEW BURLAP

TRY A SAMPLE ORDER AND COMPARE WITH
WHAT YOU ARE GETTING

VAUGHAN'S SEED STORE,
CHICAGO.



Do Not Take Any Fake Green Thread. Use the
Genuine Silkline and Get More Thread
and Less Wood.

The MEYER Green

SILKALINE

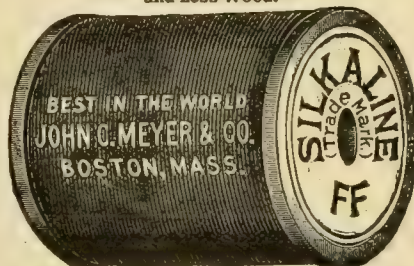
Used by Retail Florists for mossing funeral
designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it will not fade or rot in the greenhouse. The Meyer Silkline was the first green thread to be introduced among Florists and Growers. It is handled by the best houses everywhere, but it should be ordered by name—Meyer's Silkline—to be sure of getting the genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the manufacturers. Price for any size or color, \$1.25 per lb. Sizes "F" fine, "FF" medium, and "FFF" coarse

Lowell Thread Mills,
1495 Middlesex St., Lowell, Mass.



JOHN C. MEYER THREAD CO.,

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

MOSS

We have a surplus of 12 barrel bale New Jersey Moss, clean, fresh and burlapped, and will deliver anywhere in Chicago, express prepaid, at \$5.00 per bale. 2 or more bales at \$4.75. By freight collect at 25c per bale less. Satisfaction guaranteed or money refunded.

KLEHMS' NURSERIES, Arlington Heights, Ill.

H. BAYERSDORFER & CO.



Florists'
Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

New Crop Fancy and Dagger Ferns Huckleberry Foliage now ready.

Price, Huckleberry, \$2.00 per case; Fancy Ferns,
\$1.25 per 1000; Dagger Ferns, \$1.10 per 1000.

Caldwell the Woodsman Co.

Everything in Southern Evergreens
EVERGREEN, ALABAMA.

HUCKLEBERRY FOLIAGE \$2.00 per case

FANCY FERNS, \$1.25 per 1000

DAGGER FERNS, \$1.10 per 1000

Perpetuated and Natural Sheet Moss.

E. A. BEAVEN, Evergreen, Ala.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

GREAT BRITAIN

WILLS & SEGAR,

Royal Exotic Nursery,

Onslow Crescent, S. Kensington, London

FLORISTS TO HIS MAJESTY THE KING.

We shall be glad to carry out commissions from our American confreres to deliver Cut Flowers, Floral Baskets, Floral Designs, Baskets of Choice Fruit, Etc. to American visitors in any part of Great Britain.

Cablegrams — "FLOSCULO, LONDON."

DULUTH, MINN. 

2 STORES 2

 SUPERIOR, WIS.

J. J. LEBORIUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
Mention the American Florist when writing

M. C. Rowe

IN THE HEART OF NEW YORK CITY
Phone Murray Hill 1440 and 1441.

6 East 33d Street, Opposite the Waldorf-Astoria.
Our Motto—The Golden Rule.

Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave., Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.
Greenhouses: Short Hills, N. J.
—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.
Mention the American Florist when writing

Terre Haute, Ind.

John G. Heintl & Son,
129 South Seventh St.
Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Mention the American Florist when writing

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland
FLORIST

60 KEARNEY STREET

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

June 8.
FROM MONTREAL, Ionian, Allan.
Oceanic, White Star, 12 noon.
June 10.
FROM MONTREAL, Laurentic, White Star-Dom.
FROM BOSTON, Franconia, Cunard.
Victoria Luise, Ham., Amer., 10 a. m.
New Amsterdam, Holland-America, 10 a. m.
Kronprinzessin Cecilie, North Ger.-Lloyd, 10 a. m.
Barbarossa, North Ger.-Lloyd, 10 a. m.
Germania, Fabre, 3 p. m.
Orange Prince, Prince.

June 11.
FROM PHILADELPHIA, Graf Waldersee, Ham.-Amer., 11 a. m.
FROM BALTIMORE, Rhein, North Ger.-Lloyd, 2 p. m.
Maracaibo, Red "D" Line, 12 noon.

June 12.
FROM QUEBEC, Empress of Britain, Can. Pacif., 3:30 p. m.
FROM MONTREAL AND QUEBEC, Ruthenia, Can. Pacif.
Baltic, White Star, 12 noon.
FROM BOSTON, Canopic, White Star, 5 p. m.
Saxonia, Cunard.
La Provence, French, Pier 57, North River.
Fitzpatrick, Lloyd Brasileiro.

June 13.
Philadelphia, American, 11 a. m., Pier 62.
North River.
Maracas, Trinidad, Pier 24, North River.
Guelph, Barber.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

Montreal

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of **NEW YORK**

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.
Established 1874.
DARDS
N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.
Mention the American Florist when writing

St. Paul, Minn.
Holm & Olson,
20-22-24 West Fifth Street.
We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.
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GEO. H. COOKE
FLORIST
Connecticut Avenue and I Street

St. Paul, Minn.
L. L. MAY & CO.
Order Your Flowers for delivery in this section from the
LEADING FLORISTS OF THE NORTHWEST

Buffalo, N. Y.
W. J. Palmer & Son,
304 Main Street.
Members Florists' Telegraph Association.
Mention the American Florist when writing

La Crosse, Wis.
LA CROSSE FLORAL CO.
BOTH PHONES No. 40
LONG DISTANCE No. 40
Careful Attention To All Orders.
Mention the American Florist when writing

Atlanta, Ga.
Atlanta Floral Co.
41 Peachtree Street

Max Schling
NEW YORK
No. 22 West 59th Street
Adjoining Plaza Hotel

Boston, Mass.

"Penn, The Telegraph Florist"
Member of Florists' Telegraph Delivery Ass'n.
37-43 BROMFIELD STREET

Name Index to Retail Florists Filling Telegraph Orders.

- Alpha Floral Co., Chicago.
- Alpha Floral Co., Des Moines, Ia.
- Anderson, S. A., 440 Main, Buffalo, N. Y.
- Archbas Floral Co., Sedalia, Mo.
- Atlanta Floral Co., Atlanta, Ga.
- Begerow's, Newark, N. J.
- Bertermann Bros. Co., Indianapolis, Ind.
- Blackstone, Washington, D. C.
- Boland, J. B., San Francisco.
- Bowe, M. A., New York.
- Bramley & Son, Cleveland, O.
- Breitmeyer's Sons, John, Detroit, Mich.
- Buckbee, H. W., Rockford, Ill.
- California Florists, Tacoma, Wash.
- Carbone, Philip L., Boston.
- Clark's Sons, New York.
- Cleveland Cut Flower Co., Cleveland, O.
- Cooke, Geo. H., Conn. Ave. and L, Washington.
- Daniels & Fisher, Denver, Colo.
- Dard's, 44th and Madison Ave., New York.
- Duerr, Chas. A., Newark, O.
- Dunlop's, 96 Yonge St., Toronto, Can.
- Eyres, 11 N. Pearl St., Albany, N. Y.
- Freeman, Mrs. J. R., Toledo, O.
- Galvin, Thos. F., Boston.
- Gasser, J. M., Co., Cleveland, O.
- Gey Bros., Nashville, Tenn.
- Grand Rapids Floral Co., Grand Rapids, Mich.
- Gude Bros., Washington.
- Habermann, Charles, New York.
- Heinl & Son, J. G., Terre Haute, Ind.
- Hess & Swoboda, Omaha, Neb.
- John Bader Co., N. S., Pittsburg.
- Keller Sons, J. B., Rochester, N. Y.
- Kellogg, F. & P. Co., Geo. M., Kansas City.
- Kift, Robert, 1725 Chestnut, Philadelphia.
- La Crosse Floral Co., La Crosse, Wis.
- Lange, A., 25 E. Madison St., Chicago.
- Leborious, J. J., Duluth, Minn.
- Leborious, J. J., Superior, Wis.
- Mangel, 17 E. Monroe St., Chicago.
- Matthewson, J. E., Sheboygan, Wis.
- May & Co., L. L., St. Paul, Minn.
- McClunie, Geo. G., Hartford, Conn.
- McConnell, Alex., New York.
- McKenna, Montreal, Can.
- Murray, Samuel, Kansas City, Mo.
- Myer, Florist, New York.
- Nicholas, John S., New York.
- Ostertag Bros., St. Louis.
- Palmer, W. J. & Son, Buffalo.
- Park Floral Co., The, Denver, Colo.
- Pelicano, Rossi & Co., San Francisco, Calif.
- Penn, the Florist, 43 Bromfield St., Boston.
- Philips Bros., Newark, N. J.
- Podesta & Baldocchi, San Francisco.
- Pollworth Co., C. C., Milwaukee.
- Portland Flower Store, Portland, Me.
- Saakes, O. C., Los Angeles, Calif.
- Saltford Flower Shop, Poughkeepsie, N. Y.
- Schiller, The Florist, 2221 W. Madison St., Chicago.
- Schling, Max, 22 W. 59th St., New York.
- Smith, Henry, Grand Rapids, Mich.
- Texas Seed and Floral Co., Dallas, Tex.
- Vestals, 309 Main, Little Rock, Ark.
- Virgin, Uriah J., New Orleans, La.
- Walker & Co., Louisville, Ky.
- Weber, Fred C., St. Louis.
- Weber, F. H., St. Louis, Mo.
- Wills & Segar, London, England.
- "Wilson," 3 and 5 Greene, Brooklyn, N. Y.
- Witthold, Geo., Co., 737 Buckingham Pl., Chicago.
- Witthold, 56 E. Randolph St., Chicago.
- Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
- Young & Nugent, New York.

Detroit, Mich.
John Breitmeyer's Sons
Corner Broadway and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery
Mention the American Florist when writing


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Gude's
Members Florists' Telegraph Delivery.
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Kansas City, Mo.
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913 Grand Avenue
All Orders Given Prompt and Careful Attention
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241 Massachusetts Avenue.
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The Park Floral Co.
J. A. VALENTINE, President.
Members Florists' Telegraph Delivery.

FLOWERS BY TELEGRAPH
SAN FRANCISCO
CALIFORNIA
PELICANO, ROSSI & CO.,
123 KEARNY ST.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

FRED C. WEBER

SELLING FLOWERS
40 YEARS

4326-28 Olive Street

Notice initials—we have one store only.

Member Florists' Telegraph Delivery Association

ST. LOUIS, MO.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

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Portland, Maine.

**Floral Designs and
Choice Cut Flowers****Portland Flower Store**

631 Congress St.

Mention the American Florist when writing

Hartford, Conn.

GEORGE G. McCLUNIE

187 Main Street

'FLOWERS' Your Orders Solicited

My Only Store. Phone Charter 6535-2

Pittsburg, Pa.

A.W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

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Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHEROrder by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE

Washington, D. C.

Blackstone.

14th and H. Street.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points****To THOS. F. GALVIN, Inc.,**
124 TREMONT ST.**City Index to Retail Florists'
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Penn, the Florist, 43 Bromfield St.
Boston—Philip L. Carbone.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Mangel, 17 E. Monroe St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Hartford, Conn.—Geo. G. McClunie.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio—Chas. A. Duerr.
Newark, N. J.—Phillips Bros.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—John S. Nicholas.
New York—Young & Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Portland, Me.—Portland Flower Store.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
Sheboygan, Wis.—J. E. Matthews.
St. Louis, Mo.—Ostertag Bros.
St. Louis, Mo.—Fred C. Weber.
St. Louis, Mo.—F. H. Weber.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Heini & Sons.
Tacoma, Wash.—California Florists.
Toledo, O.—Mrs. J. B. Freeman.
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Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.

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Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones:
1552-1553 Columbus Choice Cut Flowers.**San Francisco****Podesta & Baldocchi**

224 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers i

NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.**Ostertag Bros.**

The Largest Retail Supply House in the West.

Jefferson and Washington Ave.

Albany, N. Y.

EYES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET

Toronto, Can.

Canada's best known and most reliable florist

Dunlop'sOnly the Best
96 Yonge Street.We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.Will take proper
care of your orders in Wisconsin

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

ST. LOUIS, MO.

ORDERS TAKEN FOR

FLOWERS

DELIVERED TO ALL PARTS OF THE COUNTRY.
SPECIAL CARE, SELECT AND ARTISTIC WORK.

F. H. Weber

Member of Florists' Telegraph Delivery

Boyle and Maryland Ave.

Both Long Distance
Phones.

Send your orders for Chicago and Suburbs to



Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts
of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heint)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for
Alaska, Washington and Oregon.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

Louisville, Ky.

F. Walker & Co.,
FLORISTS

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

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Hess & Swoboda
FLORISTS,1415 Farnum St. TELEPHONES
1501 and 1582

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries
throughout the state and to all steamship docks
in Hoboken, N. J., and New York.

For Wisconsin Delivery

—OF—

"HOME GROWN FLOWERS"

Get in touch with

J. E. Matthewson
SHEBOYGAN, WISCONSIN

Newark, Ohio.

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Member of Florists' Telegraph Delivery.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

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FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave
Phone 5297 Plaza.

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Vassar College and Bennett School.

In the Heart of New York
NEW FLOWER AND FRUIT STORE
JOHN S. NICHOLAS42nd St. and Park Avenue New York City
Grand Central Terminal

The Old Established High Class Florist

Has opened a magnificent flower and fruit es-
tablishment on the Forty-second street side of the
New Grand Central Terminal Station, New York
City. The facilities of this store for the satisfac-
tory execution of mail, telephone and telegraphic
trade orders at steamers, and elsewhere in New
York City and its suburbs are unsurpassed.

Boston, Mass.

Philip L. Carbone

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Florist and Decorator

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

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Artistic Floral Work and Long Stem
Beauties Our Specialty.

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Wolfskill Bros. and
Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

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CUT FLOWERS

Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
CANAL ST.

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone
orders.

Tacoma, Wash.

California Florists

will take care of all telegraphic orders.

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

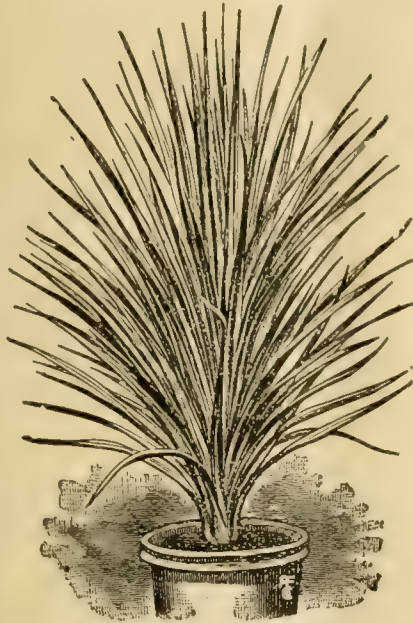
Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan

Wittbold's Bargain List.

Select What You Need From This List and Let Us Have Your Order as Early as Possible. This Stock is of Fine Quality and a Big Bargain at the Prices Quoted.



DRACAENA INDIVISA

2-in., \$3.00 per 100; 3-in., \$5.00 per 100; 4-in., \$12.00 per 100; 5-in., \$3.00 per dozen, \$20.00 per 100; 6 in., \$6.00 per doz. 8-in., 3-ft. high, \$1.00 to \$1.50 each.

Boxwoods.

Pyramids—	Each
2 to 2½ feet.....	\$1.25
2½ to 3 feet.....	1.75
3 to 3½ feet.....	2.50
3½ to 4 feet.....	3.00
4 to 4½ feet.....	4.25
Obelisk, 5-ft.....	Each, \$12.00
Globe Shaped—	
12-15-inch.....	Each, \$2.00 to 2.50
2-ft.....	3.00 to 5.00
Bushes, 12-in.....	30
2 to 2½ ft.....	1.50

MISCELLANEOUS

Aucuba, large.....	Each, \$3.00 to \$3.50
Aucuba Japonica, 2-ft.....	1.00
Aucuba Type, 2-ft.....	1.00
Conifers, assorted, 18-24 in.....	1.00
3-3½ ft.....	1.50
Araucaria Excelsa—	Each Doz. Per 100
6-in., 4-5 tiers.....	\$1.00 \$12.00
7-in., 4-5 tiers.....	1.50 18.00
Areca Lutescens—	
3-in., 3 plants in a pot	2.00 15.00
6 in.....	1.50
Asparagus Plumosus—	
2-in.....	3.00
3-in.....	6.00
Asparagus Sprengeri—	

BEDDING STOCK. Per 100

Geraniums, any variety.....	\$ 8.00
Vinca Variegata, 4-in.....	15.00
English Ivy, 4-in.....	15.00
Nasturtiums, 3-in.....	6.00
Petunias, 3-in.....	6.00

Bay Trees—Standard

Stem	Crown	Each
12-14-inch	18 in.	\$4.00
2-ft.	12 in.	\$4.00
2-ft.	18 in.	5.00
1-ft.	24-26 in.	6.00
3 ft.	20-22 in.	6.00
2 ft. 4-in.	24-28 in.	7.00
3-ft.	26 in.	7.00
4-ft.	26 to 28 in.	9.00
4-ft.	3-ft-6 in. to 3-ft-10 in.	15.00

PYRAMIDS

5-ft. high.....	\$ 8.00	6-ft. high.....	\$12.00
7-ft. high.....	15.00	9 ft. high.....	20.00

PHOENIX ROEBELENI

Each	Doz.	Per 100
2½-inch.....	\$ 2.00	\$15.00
3-inch.....	3.00	
4-inch.....	\$0.50	6.00
6-inch.....	12.00	
6-inch, strong.....	18.00	
7-inch.....	\$2.50 and 3.00	
Specimens, 7 in. extra strong.....	4.00 each.	
8 in. extra strong.....	5.00 each.	

PHOENIX RECLINATA

Each	Doz.
5-in.....	\$ 6.00
6-in.....	\$0.75
7-in., 24 in. high.....	9.00
	12.00

Phoenix Canariensis

3—3 ft. 6 in.....	Each, \$3.00
-------------------	--------------

WANTED

BOSTON FERNS, any size. Send samples or write and tell us what you have. Do it Now.

The Geo. Wittbold Co. 737-39 Buckingham Pl. **Chicago**

—L. D. PHONE, GRACELAND 1112—



STANDARD BAY TREE

Bay and Box Trees

BAY TREES. These trees come in tubs.

Nothing can approach these handsome trees for decorating porches, piazzas, or hall entrances and they are largely used for stately effects in formal gardens.

Standard or Tree Shaped.

Stems	Crowns	Each	Pair
3½-in.....	24 in.....	\$ 7 00	\$13 00
45-in.....	26-in.....	7 50	14 00
45-in.....	28-in.....	8 00	15 00
45-in.....	30-in.....	10 00	18 00
48-in.....	34 in.....	12 00	22 00
48-in.....	40-in.....	15 00	28 00

Stems	Dwarf Standards.	Each	Pair
30-in.....	Crowns 24-in.....	\$ 7 00	\$13 00
18-in.....	24-in.....	7 00	13 00
12-in.....	30 in.....	7 50	14 00

Pyramidal Shaped.

Each	Pair
5 ft. high, 24-in. diameter at base..	\$ 8 00 \$15 00
6 ft. high, 26-in. diameter at base..	10 00 18 00

BOX TREES.

Prices on Pyramid and Globes include new green tubs. If wanted out of tubs we allow 10 per cent discount.

Pyramids.

Each	Pair	Each	Pair	Each	Pair
2½ ft. high.....	\$2 00 \$3 75	3½ ft. high.....	\$3 50 \$6 00	4 ft. high.....	\$4 50 \$ 8 00

Globe Shaped, Untrimmed.

Each	Pair
15 in. high, 15 in. dia.....	\$2 00 \$3 75
18 in. high, 18 in. dia.....	2 50 4 50
22 in. high, 22 in. dia.....	3 00 5 50
24 in. high, 24 in. dia.....	3 50 6 50

Bush Shaped. These do not come in tubs.

Each	Doz.	100
12 in.....	\$0 40	\$4 00
18 in.....	60	6 50
20 in.....	75	8 00
24 in.....	1 00	10 00

VAUGHAN'S SEED STORE

31 W. Randolph St., CHICAGO

43 Barclay St., NEW YORK

Greenhouses, Trial Grounds and Nurseries: Western Springs, Ill.

THE EARLY ADVERTISEMENT GETS THERE.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C.E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

THE onion set stand at Chicago up to date is generally good, with increased acreage.

THE Western Seed & Irrigation Co. reports that liberal acreages of Nebraska vine seeds have been planted this season.

ADVICES from Bermuda at the end of May indicate a possible shortage of the larger sizes of Liliun Harrisii owing to dry weather.

VISITED CHICAGO: Howard M. Earl, Philadelphia, Pa., enroute to the Pacific Coast; H. W. and John T. Buckbee, Rockford.

CHICAGO.—Prices on the Board of Trade June 4 for grass seed was noted as follows: Timothy, \$3.50 to \$4.50 per 100 pounds.—Peter Hollenbach is traveling in Europe.

J. C. VAUGHAN, of Vaughan's Seed Store, Chicago, accompanied by Mrs. Vaughan, is making a European trip, taking the S. S. Victorian June 5 from Montreal to Liverpool.

PHILADELPHIA, PA.—W. Atlee Burpee did not go to California as expected, Howard M. Earl making the trip alone, leaving Chicago June 2. Mr. Burpee attended the exercises this week at the Culver Military Academy, Culver, Ind., where his sons graduated.

WM. HENRY MAULE, Philadelphia, Pa., writes as follows under date of June 2: "In response to your inquiry of May 27 would say that while the season the past year has been disappointing compared with 1912, in looking from the standpoint of 1911 it might be called very satisfactory. As 1912 was such a phenomenal year, it looks to me as though it will be some years to come before we can hope to equal it."

BLUE GRASS.—The blue grass experts predict lower prices the coming season on this article. It is stated that some 700,000 bushels have been carried over. The drought in early May has caused some of the plants to head out short, which may mean the loss of some seed. Weather conditions since the middle of May have been satisfactory and the prospects are for a crop between 500,000 and 600,000 bushels, which is considered an average yield.

NEW YORK.—The erection of the new Woolworth building on Broadway, Barclay street, Park place and Church street, has caused changes in the numbers of several trade firms located in that vicinity. J. M. Thorburn & Co.'s numbers now are 53 Barclay street and 54 Park place; Vaughan's Seed Store, 43 Barclay street; Yokohama Nursery Co., 51 Barclay street, and August Rolker & Sons, 51 Barclay street.—Chas. Schwake and J. S. Wilks are reported to have graduated from the salesmen's class to that of bulb merchants. Soon, no doubt, the home contingent of bulb dealers will be sufficiently large to challenge the foreign forces which invade our shores annually.

GUADALOUPE, CALIF.—Seedsmen visiting the Pacific Coast during June and July are cordially invited to call and inspect the sweet pea crops on the L. D. Waller Seed Co.'s ranch. Guadalupe is situated on the southern Pacific Coast line between Arroyo Grande and Lompoc, and the ranch is right at the depot.

BALTIMORE, MD.—An inventory of the personal estate of the late Joseph Ault Bolgiano, filed May 23, shows that at the time of his death, March 1 last, he owned securities worth \$630,803 and \$47,452 cash, a total of \$678,255. This inventory does not include real estate which is valued at over \$50,000. The business of J. Bolgiano & Son is now owned and conducted by the son of the deceased, Charles J. Bolgiano.

Peas and Beans.

Grand Rapids, Mich., June 2.—It is well known that we can not expect many peas from California this year on account of the extreme dry weather that has prevailed throughout the state. To make it worse, we have recently received reports that frost during the month of May did great damage to the crop, even to the extent of ruining them in some sections. As California seems to have played a prominent part in supplying peas the last two years, we would hardly think that the reported large acreage this season will yield a surplus.

In the states of Idaho and Montana it has been altogether too cold and dry, and peas that ought to be a foot high are only above the ground. The crop in these states depends entirely upon the weather conditions from now on. Should another cool summer prevail in the west, many crops would be apt to be caught by early frosts. On the whole, the outlook for a big crop of peas is not at all promising.

As regards beans, planting has not commenced, as it has been entirely too cold. A. J. B.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited



BRASLAN SEED GROWERS CO., Inc.
SAN JOSE, CALIFORNIA

J. W. EDMUNDSON, Manager

Established 1810.

Denaiiffe & Son,

CARIGNAN, NORTHERN FRANCE.

Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

PEAS, BEANS, CUCUMBER

Growers for the Trade.

Ask for our growing prices for crop 1913
Peas, Beans and Cucumber Seed.

Also for prices for immediate shipment.

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers
SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPENTERIA, CALIF.

GET QUOTATIONS FROM

Mention the American Florist when writing

LANDRETH

SEEDS which SUCCEED

Bloomsdale
Farm.

Bristol, Pa.

Mention the American Florist when writing

SEEDS

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited
Boston, England

Mention the American Florist when writing

tial crop of sweet peas at best, and will no doubt have a few failures on same to report later.

R. C. M.

DENVER, COLO.—The Western Seed Co. says the sale of alfalfa, red clover, alsike, in fact all grasses and clover seeds have greatly increased this year, and mangel and sugar beets have increased 100 per cent. The market garden business has shown an increase over last season, but this was due to the fact that a larger territory was covered. This firm finds the market gardeners much discouraged and many short of funds, caused by the extremely low prices secured for their crops last season. It is said a great many have lost money and some were compelled to quit, especially the beginners, who anticipated the high prices paid for market garden products the previous year. In general all the seedsmen here selling seed in quantity have experienced a fairly good business.

PROVIDENCE, R. I.—The most notable event in the seed trade of this city is the removal, very recently, of W. E. Barrett & Co. to a handsome new store where they occupy five floors and about 40,000 square feet of floor room for their immense seed and implement business. But their friends will not have to hunt for them as they are still on Canal street very near to the old location. It was in 1848, 65 years ago, that W. E. Barrett, who founded this business, established himself in the unpretentious brick structure from which the firm has just moved. For ought we know it may have been at that time one of the best buildings in this city. It is substantial looking yet, but the march of improvement will probably soon sweep it away. One of the notable features of the new store is its excellent light, the front and one side being largely plate glass. The offices of the first floor are large and well lighted. The business of this firm is large and features of this season's trade have been very large sales of seed potatoes and peas.

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

Mention the American Florist when writing

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Mention the American Florist when writing

Western Seed & Irrigation Co.

Wholesale Seed Growers and Dealers

SPECIALTIES:

Sweet, Flint and Dent Corn; Cucumber,
Musk and Watermelon; Pumpkin and
Squash.

FREMONT : NEBRASKA

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower.

Specialties: Lettuce, Onion, Sweet Peas, Aster
Cosmos, Mignonette, Verbena in variety.
Correspondence Solicited.

Francesco Bulleri

Purveyor to the Royal family of Italy.

SCAFATI (near Pompei) ITALY.

NOVELTY FLOWER SEEDS—BULB AND PLANT
PRODUCTIONS.

PETUNIA, PANSY, CINERARIA, and a great
variety of other seeds. Write for price list and
send orders to V. SHAKETANO, 50 West 30th
Street, NEW YORK, agent and representative
for the United States.

Mention the American Florist when writing

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

Mention the American Florist when writing

GLADIOLI

Blanche, Ceres, Mrs. Beecher,
Columbia, May, Mrs. W. N. Bird,
Brenchleyensis, Shakespeare.
Lilies, Madeira Vines and other
Bulbs and Hardy Plants.

E. S. MILLER, WADING RIVER, N. Y.

Mention the American Florist when writing

Here is Your Chance

Tuberoses

First class bulbs, 4 to 6-in., 75c per
100; \$7.00 per 1000.

Bedding Plants

Extra fine stock at reasonable prices.

Flower and Vegetable Seeds

For early summer planting.

Let us have your order.

James Vick's Sons
ROCHESTER, N. Y.

Lily of the Valley Pips

WE have on hand a few cases of Lily
of the Valley Pips, (3000 to case)
Berlin and Hamburg, which we offer at
\$32.00 Per Case (of 3000).

J. M. Thorburn & Co.

53 Barclay St.

New York

DAMMANN & CO.,

Seed Merchants to His Majesty the King of Italy

SAN GIOVANNI A TEDUCCIO, near Naples

Headquarters for CAULIFLOWER and WHITE
TRIPOLI ONION SEED, (Crystal Wax), and
all other VEGETABLE and FLOWER SEEDS
THE LARGEST GROWERS in ITALY.

Established 1877.

Wholesale Catalogue in English, (containing also
all Italian specialties). Special Offers and
Italian Catalogue on application.

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ROEMER'S Superb Prize PANSIES

The finest strain of Pansies in the
World. Introducer and Grower of all
the leading Novelties. Highest Award
International Exhibition, Dusseldorf,
1905. Catalogue free on application.

Seed Grower,
FRED. ROEMER, Quedlinberg, Germany

Freesia Bulbs

No. 1, 4 inch and up \$5.50 per 1000
No. 2, 3 1/2 inch and up 3.50 per 1000
June delivery—Orders filled in rotation,
F. O. B. Los Angeles.

MORRIS & SNOW SEED CO.
425 South Main St., Los Angeles, Cal.

150,000 Chrysanthemum Cuttings.

Extra Fine Stock. Good Value for the Money. Can Fill Orders For 100, 250, 500, 1000, or 10,000, at a Moment's Notice. Order Today.

	WHITE	
	R. C. per 100	1000
Smith's Advance.....	\$2.00	\$15.00
White Chadwick.....	3.00	27.50
Lynnwood Hall.....	2.50	20.00
Alice Byron.....	2.00	15.00
Touset.....	2.00	15.00
October Frost.....	2.00	15.00

	YELLOW	
	R. C. per 100	1000
Comoleta.....	\$3.00	\$27.00
Golden Chadwick.....	3.00	27.50
Yellow Eaton.....	2.50	20.00
Crocus.....	2.00	15.00
Golden Glow.....	2.00	15.00
Halliday.....	2.00	15.00
Maj. Bonnaffon.....	2.00	15.00

	PINK	
	R. C. per 100	1000
Amorita.....	\$2.50	\$20.00
Dr. Enguehard.....	2.50	20.00
Pacific Supreme.....	2.00	15.00
Balfour.....	2.00	15.00

J. D. Thompson Carnation Co., Joliet, Ill.

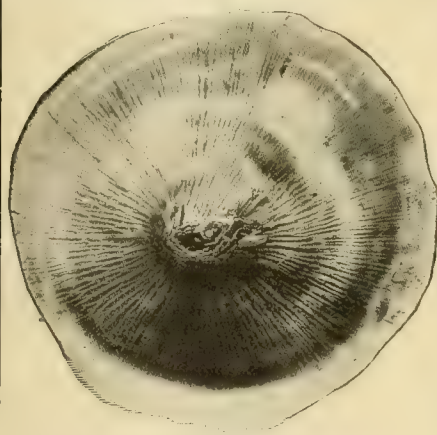
ROSES

Best new and Standard sorts, prime stock, including—

	2½ in.		4 in.	
	Doz.	100	1000	100
American Beauty.....	\$0.85	\$6.00	\$50.00	\$15.00
Blumenschmidt.....	.50	3.00	27.50	10.00
Bougere.....	.50	3.00	25.00	10.00
Duchesse de Brabant.....	.50	3.00	25.00	10.00
Etoile de Lyon.....	.50	3.00	27.50	10.00
Mlle. Franzisca Kruger.....	.50	3.00	25.00	10.00
Marie Van Houtte.....	.50	3.00	25.00	10.00
Safrano.....	.50	3.00	25.00	10.00
White Maman Cochet.....	.50	3.00	27.50	10.00
William R. Smith.....	.50	3.50	30.00	10.00
Queen's Scarlet.....	.50	3.00	25.00	10.00
Burbank, Bourbon.....	.50	3.00	25.00	10.00
Gruss an Teplitz, Hy. Ben.....	.50	3.00	30.00	10.00
Mosella (Yellow Souper).....	.50	3.00	25.00	10.00
Mignonette.....	.50	3.00	25.00	10.00
Anny Muller.....	.50	3.00	27.50	10.00
Jeanne d'Arc.....	.50	3.50	30.00	12.00
Mrs. Taft.....	.60	3.50	30.00	12.00
Orieans.....	.60	3.50	30.00	12.00
Phyllis.....	.60	3.50	30.00	12.00
Zelia Bourgeois.....	.75	5.00	40.00	15.00
Bessie Brown.....	.75	5.00	40.00	15.00
Eugene Boulet.....	.75	5.00	40.00	15.00
Helen Gould (Balduin).....	.50	3.00	27.50	12.00
Jacob's Perle.....	.60	4.00	35.00	12.00
Lady Pirrie.....	.85	6.00	50.00	15.00
Mme. Abel Chateau.....	.50	3.00	27.50	10.00
Mme. Jenny Guillemot.....	.50	3.50	30.00	10.00
Mme. Jules Grolez.....	.50	3.50	30.00	10.00
Radiance.....	.60	4.50	40.00	15.00
Rena Robbins.....	.85	6.00	50.00	15.00
Ball of Snow.....	.50	3.50	30.00	10.00
Hugh Dickson.....	.75	5.00	40.00	10.00
J. B. Clarke.....	.60	4.00	35.00	10.00
Gen. Jacqueminot.....	.60	4.00	35.00	10.00
Paul Neyron.....	.60	4.00	35.00	10.00
Prince de Rohan.....	.60	4.00	35.00	10.00
Robert Duncan.....	.60	4.00	35.00	10.00
Vick's Caprice.....	.60	4.00	35.00	10.00
New Century.....	.60	4.50	40.00	15.00
Sir Thos. Lipton.....	.60	4.50	40.00	15.00
Aviateur Blierot.....	.60	4.00	35.00	10.00
Bordeaux.....	.50	3.00	25.00	10.00
Cl'g Am. Beauty.....	1.50	10.00	80.00	30.00
Dor. Perkins.....	.50	3.00	25.00	10.00
Excelsa.....	.75	5.00	40.00	15.00
Everblooming Cr. R.....	.60	4.00	35.00	10.00
Flower of Fairfield.....	.60	4.00	35.00	10.00
Graf Zeppelin.....	.60	4.00	35.00	12.00
Lady Gay.....	.50	3.00	25.00	10.00
Phil'a Cr. Rambler.....	.50	3.00	25.00	10.00
Sweetheart.....	.50	3.00	25.00	10.00
Tausendschoen.....	.50	3.00	25.00	10.00
White Dorothy.....	.50	3.50	30.00	10.00
Wichuraiana.....	.50	3.50	30.00	10.00
Cl'g Souper.....	.50	3.00	25.00	10.00
Clothilde Souper.....	.50	3.00	25.00	10.00
Mary Washington.....	.50	3.00	25.00	10.00
Marchal Niel.....	.60	3.50	30.00	15.00

THE LEEDLE FLORAL COMPANY, SPRINGFIELD, OHIO.

Closing Out Spring Bulbs



AMERICA.

LILY BULBS

Fert 00

Album, 9-11 inch.....	\$12.50
Rubrum, 8-9 inch.....	6.00
Rubrum, 9-11 inch.....	8.00

CALADIUMS

	Per 100	Per 1000
5 to 7 inch.....	\$1.80	\$15.00
7 to 9 inch.....	3.50	30.00

Cold Storage Stock.

Lillium Giganteum

	Per Case
9-10 inch (200 bulbs to case).....	\$17.00

Lillium Rubrum

	Per Case
8-9 inch (170 bulbs to case).....	\$10.00
9-11 inch (100 bulbs to case).....	8.00

Our Import List of Fall Bulbs is Ready. Ask for It.

Vaughan's Seed Store, CHICAGO, NEW YORK

Greenhouses and Nurseries, Western Springs, Ill.

Robert Craig Co...

High Class PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

John Bader Co.

B. L. ELLIOT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

SALVIA SPLENDENS and BONFIRE

Good Strong Plants from Soil.

Dracaena Indivisa, 2-inch.....	\$2.00 per 100.
Geraniums, 2-inch.....	1.85 per 100.
Cobea Scandens, 2-inch.....	3.00 per 100.
Marguerite, Mrs. F. Sanders, 2 in.	2.00 per 100.
Double Alysum, 2 inch.....	2.00 per 100.

ELMER RAWLINGS - - OLEAN, N. Y.

"Eventually -- Why Not Now"

IS THE WAY A CERTAIN ARTICLE IS WIDELY ADVERTISED.
 "Eventually" You will have to Grow "MRS. GEO. SHAWYER ROSE."

Why not buy a few plants "Now," when we can deliver the same in first class condition for immediate planting, 4-in. stock at \$30.00 per 100; \$250.00 per 1000.

Milady, the new red and **Mrs. Chas. Russell**. Own root stock. \$30.00 per 100; \$250.00 per 1000. **Sunburst**, \$20.00 per 100, \$250.00 per 1000. **Pink and White Killarney**, **Richmond**, **Taft**, **My Maryland**, **American Beauty** and **Hillingdon**, 4-in. stock, \$12.00 per 100; 3-in. stock, \$10.00 per 100. **Bon Silene**, 3-in. stock, \$10.00 per 100.

Chrysanthemums

The "Cap Family," and other varieties equally adapted for pot plants at \$10.00 per 100.

POMPOMS. Our selection, \$3.00 per 100; \$25.00 per 1000.

STANDARD VARIETIES. **Unaka**, **Gloria**, **Col. Appleton**, **Wells' Late Pink**, etc., etc., \$25.00 per 1000 for 2½-in. pot plants.

CHAS. H. TOTTY,

Madison, N. J.

BEDDING PLANTS.

Petunias, single fringed all colors from choice seed,

3-inch.....\$ 5 00
 4 inch.....8 00

Recinus (Castor Bean) strong.....4 inch. per doz., \$1 50

Alternantheras, red and yellow. strong. 2¼-inch.....2 50

Asparagus Sprengerii and **Plumosus Nanus**, 2¼-inch strong.....3 00

Asparagus Sprengerii, 3-inch.....5 00

Ageratum, dwarf blue. 2¼-inch.....2 50

" " 3-inch.....5 00

" " 4-inch.....8 00

Begonia, Tuberos rooted, strong 4-inch, all colors, double and single, per doz. \$2.00

Begonia Luminosa, for bedding, strong, 3-inch, \$5 00 per 100; 2¼-inch, 2 50

Cobaea Scandens, strong 4-inch.....per doz., \$1 50

Celosia, (Cock's Comb), dwarf.....\$2 00 and 3 00

Coleus in variety, 2¼-inch, \$2 50 per 100; 3-inch.....5 00

Grevillea Robusta (silk oak) 2¼-inch, strong.....2 50

Ivy, English.....2¼-inch, \$3 00 per 100; 4-inch 12 00

Lobelia, Speciosa and Crystal Palace Comp.....2 50

Marguerite, Mrs. F. Sanders, double white.....3-inch, \$6 00; 4-inch, 12 00

Primulas, 2½-inch, best varieties.....3 50

" " 3-inch, strong.....\$5 00 to 6 00

Salvia, Bonfire and Zurich, elegant stock from cuttings,

2¼-inch.....2 50

3-inch.....5 00

4-inch.....10 00

Palms

Kentias Belmoreana and **Forsteriana**, immense stock of perfect plants in all sizes from 4-in. to 10-in. plants, at prices ranging from \$4.50 per dozen to \$12.50 each, according to size.

Table Ferns—10 Varieties

2½-in. pots, \$3.00 per 100; \$25.00 per 1000.

3-in., strong, \$6.00 per 100; \$55.00 per 1000.

HYDRANGEAS

From now until June 15 we offer a choice lot of Hydrangeas in full bloom, at from 25c, 35c, 50c, 75c each. Also a large supply of decorative plants, palms and table ferns.

Asparagus Hatcheri, strong, 2¼-in., \$2.50 per 100; **Primula Obconica Grand**, strong, 2½-in., \$3.00 per 100; \$25.00 per 1000.

Ficus Pandurata, strong, 6-in., \$3.50 each.

Ficus Elastica, strong 6-in., 75c to \$1.00 each.

Dracaena Massangeana, well colored, 6-in., \$1.00 to \$1.75 each.

Pandanus Veitchii, highly colored, 5-in., \$1.00 each; 6-in., \$1.25 each; 7-in., \$2.00 each.

Umbrella Plants, ready to shift, 2¼-in., \$3.00 per 100.

Berried Plants

Jerusalem Cherries for field planting, strong, 2½-in., \$3 00 per 100; \$25.00 per 1000.

Fra Diavola, a fine plant to grow in field for Xmas sales; full of berries, \$3.00 per 100; \$25.00 per 1000.

Cluster Peppers, strong, 2½-in., \$3.00 per 100.

Celestial Peppers, an indispensable Xmas plant, strong, 2¼-in., \$3.00 per 100; \$25.00 per 1000.

Smilax

Strong new stock, 2¼-inch.....\$2.50 \$22.00

3-inch.....5.00 45.00

POEHLMANN BROS. CO.

MORTON GROVE

Plant Department

ILLINOIS

SATISFACTION PLANTS

READY FOR SHIPMENT

ROSES.

Milady and Mrs. Geo. Sawyer, Grafted—\$30.00 per 100; \$250.00 per 1000.

Mrs. Chas. Russell, Grafted—\$35.00 per 100; \$300.00 per 1000.

Mrs. Taft, Mrs. Aaron Ward, Richmond, Killarney, White Killarney, Lady Hillingdon, Radiance, Bon Silene, Bride, Golden Gate, Grafted—\$15.00 per 100; \$120.00 per 1000. Special prices on large quantities.

FOR IMMEDIATE SHIPMENT.

A special offer of Roses on their own roots in lots of 500 or more. Mrs. Taft, Richmond, Lady Hillingdon, Killarney, White Killarney. 500 for \$20.00; 1000 for \$37.50.

BEDDING PLANTS.

COLEUS—Verschaffeltii, Golden Queen, Golden Bedder, Beckwith's Gem, Firebrand, Lord Palmerston, from 2½-inch pots, \$2.50 per 100; \$20.00 per 1000.

SALVIA—Schenley, Ball of Fire, Bonfire, King of the Carpet, Splendens, Zurich, from 2½-inch pots, \$2.50 per 100; \$20.00 per 1000.

GARDENIA VEITCHII.

From 2½-inch pots, \$7.00 per 100; \$60.00 per 1000.
From 3-inch pots, \$12.00 per 100; \$100.00 per 1000.

POINSETTIAS.

June and July delivery. \$7.00 per 100; \$60.00 per 1000.

CHRYSANTHEMUMS

Special for June. **Chrysolora** and **Chas. Razer**. Rooted cuttings. In lots of 500 of a variety at \$20.00 per 1000. We expect to ship 150,000 'mums in June. How many do you need?

A. N. PIERSON, Inc., - Cromwell, Conn.

HOLLYHOCKS

In assorted colors, \$40 per 1000

Hardy Chrysanthemums

In best varieties, Clumps, \$5 per 1000
Strong plants from 2½ inch pots, \$3.00 per 100.

A General Variety of HERBACEOUS PERENNIALS from 2½-inch pots.

THE NEW ENGLAND
NURSERIES CO.,

BEDFORD, MASS.

ROSES-ROSES

We have about 10,000 **Pink** and **White Killarney**, of three inch Grafted stock. This stock is of exceptional value. Price, \$15.00 per 100; \$145.00 per 1000. 700 Grafted **Kaiserin** same value and same price.

OWN ROOT STOCK.

1800 **White Killarney**, 3800 **Pink Killarney**, 500 **Kaiserin**, 1800 **Richmond**, 2½-in. pots, \$5.00 per 100; \$45.00 per 1000. 1700 **Perles**, ready in three weeks. \$5.00 per 100; \$45.00 per 1000.

J. L. DILLON, BLOOMSBURG, - PA.

Gladiolus.

	100	1000
America, pink.....	\$3 00	\$25 00
Brenchleyensis.....	1 40	12 00

PYRAMID BOX TREES.

3 foot, well shaped.....Each, \$2.50
3½ foot, well shaped.....Each, 3 50

A. Henderson & Co.,

352 N. Michigan Ave., CHICAGO

GRAFTED ROSES FOR JUNE PLANTING.

KILLARNEY, **WABAN WHITE KILLARNEY**, and **LADY HILLINGDON**.

Strong plants from 3-in. and 3½-in. pots, \$12.00 per 100; \$100.00 per 1000.

These Roses are grafted on **Dickson's Manetti Stock**; were shifted from 2½-inch pots the beginning of May and will be just right for June planting.

A BARGAIN IN WELL-GROWN ROSES.

ROBERT SCOTT & SON, SHARON HILL, Del. Co., PA.

PALMS, FERNS

AND
Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N Y

Mention the American Florist when writing

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

KENTIAS.

Joseph Heacock Co.,

Wyncote, Pa.

BEST GRAFTED ROSE STOCK

Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000; \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill. Killarney Queen, \$15.00 per 100; \$120.00 per 1000.

BEST OWN ROOT STOCK

Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6.00 per 100, \$55.00 per 1,000. Richmond, 2½-in., \$5.00 per 100; \$45.00 per 1,000. The above is All select stock and a big bargain at prices quoted.

Prices Reduced 20%

On CHRYSANTHEMUM CUTTINGS, 2½-in. Stock of the Following Varieties:

	R. C. per		2½-in. per	
	100	1000	100	1000
YELLOW				
Comoleta,	\$3.00	\$25.00	\$4.00	\$35.00
Best Early Yellow, Blooms September 27.				
	R. C. per		2½-in. per	
	100	1000	100	1000
Golden Glow,	\$3.00	\$25.00	\$4.00	\$35.00
WHITE				
	R. C. per		2½-in. per	
	100	1000	100	1000
October Frost,	\$2.50	\$20.00	\$3.00	\$25.00

	R. C. per		2½-in. per	
	100	1000	100	1000
PINK				
Patty,	\$3.00	\$25.00	\$4.00	\$35.00
Beautiful Enchantress Pink, fine strong grower, (3½-in., per 100, \$5.00).				
	R. C. per		2½ in. per	
	100	1000	100	1000
Unaka,	\$4.00.	\$35.00	\$5.00	\$45.00

Earliest Pink, first week of October.

When ordering deduct 20% from advertised prices in the above five varieties of Chrysanthemum cuttings only. Our unlimited facilities for handling immense quantities enables us to make this cut in prices without reducing the well-known quality of our extra fancy stock.

200,000 Cuttings of the following varieties left, so order your supply now.

	R. C. per		2½-in. per	
	100	1000	100	1000
WHITE				
Alice Byron.....	2 50	20 00	3 00	25 00
Timothy Eaton....	2 50	20 00	3 00	25 00
W. H. Chadwick..	3 00	25 00	4 00	35 00
YELLOW				
Halliday.....	2 50	20 00	3 00	25 00
Chrysolora.....	5 00	40 00	6 50	60 00
Best Yellow Money Maker, blooms Oct. 5 to 10				

	R. C. per		2½-in. per	
	100	1000	100	1000
YELLOW				
Col. Appleton.....	2 50	20 00	3 00	25 00
Crocus.....	4 00	35 00		
Dolly Dimple.....	3 00	25 00		
Major Bonaffon..	2 50	20 00	3 00	25 00
Immense stock, still one of the best.				
Yellow Eaton.....	2 50	20 00	3 00	25 00
Golden Chadwick.	3 00	27 50	4 00	35 00
Best late yellow.				

	R. C. per		2½-in. per	
	100	1000	100	1000
PINK				
McNiece.....	2 50	20 00	3 50	30 00
Maud Dean.....	2 50	20 00	3 50	30 00
Dr. Enguehard....	2 50	20 00	3 50	30 00
RED				
Schrimpton.....	2 50	20 00	3 00	25 00
BRONZE				
O. H. Kahn.....	4 00		5 00	
We can supply large quantities of the above.				

Look! Another Great Reduction.

40,000 POMPONS—Must be Sold At Once—2½-in., \$3.00 per 100; 3-in., \$5.00 per 100, while they last. First come, first served.

YELLOW		
Krut		
Emo		
West Lake		
Mike Gabel		
Quinola		
WHITE		
Elva		
Newbury		
Baby Margaret		
Diana		

Skibo
Madge
Klondyke
Baby

BRONZE

M. D. LaPort Beau
Nellie Bly Dark Pink

SINGLES

YELLOW
Christina Scull Allan Carter
Parkington

SINGLES—Cont'd.

WHITE
Kemmit Grace Burke
PINK
Mrs. John Fisher Single Pink
Gertrude Wilson
BRONZE
Ida Kroeschell—This is a single
Anemone
Dark Single Bronze

POMPON CUTTINGS—CHOICE STOCK, \$20.00 per 1000.

POEHLMANN BROS. CO., Morton Grove, Ill.

J. E. MEREDITH, PRES. C. W. STOUT, Sec'y

The Meredith Flower and Vegetable Co.

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Special Geraniums

3½-in. NUTT, GRANT and LAKELAND, all Reds, at \$6.50 per 100, \$60 per 1000, Cash.

Geo. A. Kuhl, PEKIN, ILLINOIS.

HYDRANGEAS

From 35 cents to \$5.00 each. Also SALVIA, PETUNIAS, FLOWERING VINCAS, and VINCA VINES.

Cut Maiden-hair Fern in large quantities at any time.

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Large flowering, Pompoms, Single and Anemone flowered. Best varieties for bush form pot plants. Strong plants from 2½-in. pots, \$3.00 per 100.

Cash with Order.

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Primula Obconica, strong plants, in bud and bloom. 4-in., \$5.00 per 100, \$45.00 per 1000; out of 2½-in. plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong. 2½-in., \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengeri, strong. 2½-in., \$2.00 per 100, \$15.00 per 1000; 3-in., \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums Smilax, Violets Carnations for fall delivery. IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL New York

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

ALTHOUGH horse-radish is known botanically as a vegetable, it is admitted free of duty because it is used as a condiment instead of a food.

SNAILS, usually regarded as pests, outside of France, where they are relished as food, are gaining a foothold in England. In Bristol this garden worm is becoming so popular it is carefully preserved and disposed of to the restaurant keeper instead of being destroyed.

Prices of Indoor Fruits and Vegetables.

Chicago, June 2.—Mushrooms, 15 cents to 60 cents per pound; lettuce, 20 cents to 65 cents, small cases; radishes, \$1.25 to \$2.00 per 100 bunches; pieplant, 40 cents per box; cucumbers, 50 cents to \$1.40 per box of two dozen; asparagus, 50 cents to \$1.00 for 24 bunches.

New York, May 31.—Cucumbers, 30 cents to 90 cents per dozen; mushrooms, 50 cents to \$1.50 per 4-pound basket; tomatoes, 10 cents to 15 cents per pound; radishes, 75 cents to \$1.25 per 100 bunches; rhubarb, 50 cents to \$1.00 per 100 bunches; lettuce, 50 cents to \$3.00 per basket, crate or barrel.

Soil Fertility in Germany.

Fertilizers are used in Germany in growing measure and already to a far greater extent than in the United States. There are, indeed, few countries in which the per acre expenditure for fertilizers is as high as in Germany. The German Agricultural Society (Deutsche Landwirtschafts-Gesellschaft), an officially recognized association of German agriculturists, states that existing laws contain no provision looking to the maintenance of the fertility of farm land. The old Prussian code or "Landrecht" provided that a farmer who was unreasonably negligent might be compelled to abandon his land; but there is no record of the provision having ever been enforced, and it was omitted from the existing civil code. The theory of the old law was that the farmer held his land as a trust.

In earlier times very stringent clauses were regularly inserted in leases with a view to the preservation of the fertility of the land. They dealt with the rotation of crops and other methods of cultivation, including manuring, and usually contained an absolute prohibition of the sale of straw, hay, natural manure, etc. It is the present custom, brought about by the introduction of artificial fertilizers and a better scientific appreciation of agricultural methods, to leave all such stipulations out of leases as far as possible and to prescribe merely that when hay, straw, natural manure, etc., are sold, artificial manure in corresponding quantity shall be purchased and added to the ground.

Red Peppers.

Red peppers form the subject of bulletin 163, by L. M. Tolman and L. C. Mitchell, issued by the bureau of chemistry of the United States Department of Agriculture. In it all varieties of red pepper used in the United States are described and analyzed. The same variety of red peppers, grown under different climatic and cultural conditions, yields products adapted to different uses. We import wild chillies from Mombasa and Zanzibar, gathered by a semi-civilized population and dried on the ground, so that they come to us covered with dirt and sand and must be cleaned before grinding. They are ground and used principally as spices. On the other hand, the cultivated Japanese chillies are used unground in the preparation of chilli sauce. Similarly the Hungarian paprika is prized as a spice, while the Spanish paprika has a distinct commercial use as a coloring for such products as sausage and tomato ketchup.

The investigators of the bureau sought to determine the normal composition of the various red peppers, with special reference to the deviations in amounts of ash, sand, ether extract and crude fiber, and also to study the distinctive odor, flavor, and taste, that the part of the fruit to which the characteristic properties are due may be known. Another object has been to investigate the effect on the composition of ground pepper of including or excluding seeds or stems, for the purpose of detecting their presence or absence.

An interesting point noted is that the pungent principle occurs almost exclusively in the placenta, a thin membranous partition inside the shell. In some cases, however, a better result is obtained by grinding the seed with the rest of the fruit, as the oil freed in this way dissolves the color of the product and apparently develops the flavor and aroma.

Pollinating Tomatoes.

Beginners do not realize the importance of properly pollinating tomato blossoms. Without proper pollination perfect fruit is impossible early in the season. Too often only part of the pistil is covered, which results in one-sided fruit and these are either unsalable or bring a low price. The object of fruit setting being seed-bearing, and seed bearing being again dependent upon pollination or fecundation, one can readily see the importance upon a little reflection. Later in the season, under high temperature, low moisture and ample wind currents natural pollination is easy and am-

ple but up to about June 15 some help is beneficial. We need not go to the trouble of winter work, such as a camel's hair brush or small spoon. Generally a smart snap with the finger or even a good jar to the plant is ample. Where tied to overhead vines a smart rap on the wires often does the trick rapidly. The proper time is in the late forenoon, say from 10 to 12 o'clock. The writer has in mind a large place where no pollination was done. He was there several months and carrying his lunch, he spent the spare noon minutes snapping tomato blossoms in one section. Soon the fine fruit cluster attracted attention, and it was amusing to see every one have an explanation save the right one. Thus the soil, the variety, the aspect of the house, the watering, etc., each was in turn accountable, when in fact all these had nothing to do with the result.

MARKETMAN.

PORTLAND, ORE.—The Rose Society has instituted several changes in the classification list for the coming show. With the exception of Caroline Testout the names of the roses will be done away with, the competitions being according to color.

SAN FRANCISCO, CALIF.—The following officers were elected at the recent meeting of the California State Floral Society: Mrs. John A. Scannavino, president; Mrs. T. Sachau, honorary vice-president; Mrs. E. H. O'Donnell, second vice-president; Mrs. H. P. Tricou, recording secretary; Mrs. B. Parker, corresponding secretary; Mrs. O. D. Wheeler, treasurer; Mrs. M. D. Roberts, accountant. The new directors are Mrs. Robert Munro, Mrs. J. Brannin, Miss C. Williams and Mrs. Chas. Abraham.



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Vegetable Plants.

CABBAGE—Wakefield, Succession, Early and Late Flat Dutch, Surehead, All Head, Danish Ball Head, etc., at 20c per 100, 500 for 75c, \$1.00 per 1000; 10,000 and over, 85c per 1000.

LETTUCE—Grand Rapids, Big Boston, Boston Market, and Tennis Ball, 20c per 100, 500 for 75c, \$1.00 per 1000.

BEEF—Eclipse, Crosby, and Egyptian, 25c per 100, 500 for \$1.00, \$1.25 per 1000.

CELERY—Golden Self Blanching, 40c per 100; \$2.50 per 1000.

TOMATO PLANTS—Will be ready about May 25.

Send for Catalogue. Cash with Order.

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HENRY METTE, Quedlinburg, Germany.

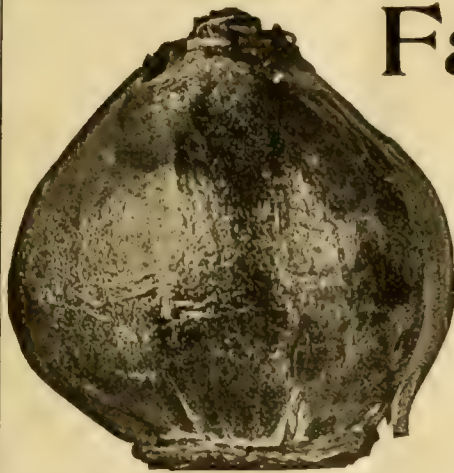
GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

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HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

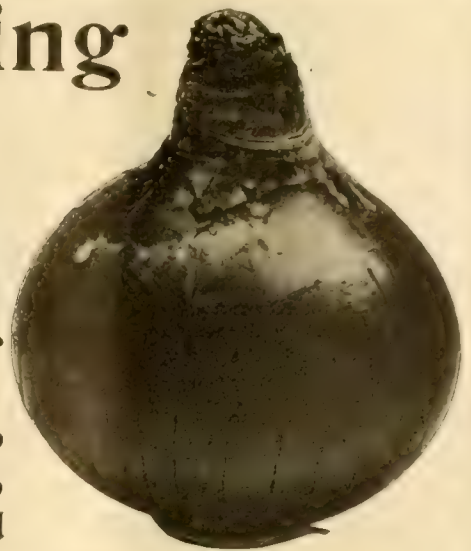
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Fall Forcing Bulbs

**Roman
Hyacinths,
Narcissus P. W.
Grandiflora,
Lilium Harrisii,
Japanese Lilies,**

**Forcing Valley, Callas, Freesias and
picked bulbs of all Dutch Hyacinths Tulips and Spirea.**



**We Can Save You Money on
This Stock.**

Import Price List Ready

VAUGHAN'S SEED STORE,

CHICAGO NEW YORK

Greenhouses and Trial Grounds, Western Springs, Ill.



A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner. Ricard. Perkins
Poitevine, 2-in., \$2.00 per 100; 3-in., \$5.00 per 100.
Boston and Whitman Ferns, 3-in., 10c; 4-in., 15c;
5-in., 25c.
Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in.,
\$25.00 per 100.
Vinca Var., 3-in., \$5.00 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Belotrope, Scarlet Sage, Lemon Verbenas,
Clear Plant, Coleus, Alternanthera, red and
yellow; Ageratum, blue; Verbena, Salvia, Zu-
rich; Aster, 2-in., \$2.00 per 100.
Cash with order.

GEO. M. EMMANS, Newton, N. J.

GRAFTED ROSES

I have a few 100 each of the follow-
ing varieties of early grafted roses
now in 3 and 4 in. pots. Extra strong
and healthy at \$10.00 per 100. These
plants should not be compared with
2½ inch stock that has not been re-
potted.

**KAISERIN, WHITE KIL-
LARNEY and KILLARNEY**

Return stock at my expense if not satisfactory

W. W. COLES, Kokomo, Ind.

BOXWOOD

For Sizes, Prices and variety—see our
Display Adv. in American Florist Apr. 12-19.

F. O. FRANZEN,

1476 Summerdale Avenue,
CHICAGO ILLINOIS.



Pansies

Romeo Prize
Winners, a grand
strain, very
strong, trans-
planted, plants
in bud and bloom.
\$1.25 per 100;
\$10.00 per 1000.

Fine strong Coleus plants equal to 3-in.,
\$2.00 per 100; \$18.00 per 1000.

**Fuchsia Black Prince and Rose of Castle
Hill**, 2½-in., elegant stock, \$2.50 per 100.

Salvia, bench stock, equal to 4 and 5-in.
pots, \$5.00 and \$6.00 per 100.

C. HUMFELD, - **Clay Center, Kan.**
The Rooted Cutting Specialist.

From the Cambridge University Press

THE GENUS IRIS

By WILLIAM RICKATSON DYKES

With 48 colored plates and 30
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This volume brings together the available
information on all known species of Iris. The
most striking feature of the book is the life-
size colored plates, reproduced from originals
drawn from living plants—making it a
volume of great beauty as well as of scientific
importance.

254 pages, demi folia, half morocco; \$37.50,
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The University of Chicago Press,
5759 Ellis Avenue, Chicago, Illinois.

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F. DORNER & SONS CO.,

LaFayette, - - Indiana

SEASONABLE PLANTS

Plants from 2½ inch pots \$3.00 per 100.

Asparagus Plumosus, Asparagus Sprengeri;
Parlor Ivy; Phlox, Drummond dwarf; Ageratum;
Euonymus, Radicans var.; Euonymus, golden
variegated; Hydrangea Otaksa; Bridal Myrtle;
Swainsona Alba; Artillery Plant; Verbenas,
scarlet, pink and white; **Coleus, Verschaffeltii,**
Golden Bedder; Moonvine, large flowering white;
Lemon Verbenas.

Plants from 3 inch pots, \$4.00 per 100.

Ampelopsis Veitchii; Dracaena Indivisa; Ivy,
hardy English; **Fuchsia, early flowering; Passion**
Vine.

Althernantheras, Brilliantissima, pink, 2½ inch
pots, \$2.50 per 100.

Anthericum, variegatum, 4 inch pots, 10c each.
Kentia Belmoreana, 3 in. pots, 3-4 leaves, \$1.50
per doz.

Myrtle Plants, the real bridal Myrtle, 4 in. pots.
\$1.50 per dozen; 3 in. pots, \$1.00 per dozen.

Passion Vine, 4 inch pots, 10c each.

Ampelopsis Veitchii, 10c each.

Clematis Paniculata, 4 inch pots, 10c each; 5
inch pots, 15c each.

Bouvardias, propagated from root cuttings,
scarlet, white and pink, 2 inch pots, \$3.00 per 100.

Honeysuckle Halleana, 4 in. pots, \$1.50 per doz.

C. EISELE,

11th and Westmoreland Streets
PHILADELPHIA, PA.

ENCHANTRESS SUPREME DAILLEDOUZE BROS.

Lenox Road and Troy Ave.,
BROOKLYN, N. Y.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

NURSEYMEN and importers of plants should write to the United States department of agriculture for circular No. 44, containing the latest rules and regulations for carrying out the plant quarantine act, issued May 26, 1913.

THE American Peony Society's annual convention and exhibition will be held this year in connection with the Ohio Horticultural Society at Grays Armory, Cleveland, June 12-14. Copies of the premium list can be had on application to Secretary John N. Stockwell, room 218, City Hall, Cleveland, O.

The Harmony Nurseries.

The Harmony Nurseries, a new industry for the town, have recently located at Harmony Junction, Pa. H. L. Blind is in charge. Twenty-three acres of land have been acquired and it is the intention to develop an extensive greenhouse, gardening and nursery plant.

Australian Timber Resources.

A recently issued report of the New South Wales Department of Forestry deals comprehensively with the forest growths of the Bellingen river, which is one of the chief timber-producing districts of that Australian state. Originally, it is stated, the Bellingen river watershed was entirely forested. Exploitation began about 1850, and since that date it is estimated 300,000,000 feet of timber have been utilized and 500,000,000 feet destroyed by settlers' clearing operations. As in all countries, the report says, settlement has taken place at the cost of the forests, and vast quantities of useful material have been more or less unavoidably wasted. The alluvial flats of the main river were the first to go, and with them went the bulk of the softwood wealth of the Bellingen. Today the timber industry is maintained wholly by the hardwood forests.

White Pine Blister Rust.

NOTICE OF QUARANTINE NO. 7.

The fact has been determined by the Secretary of Agriculture that a tree disease known as white pine blister rust (*Peridermium strobi* Kleb.), new to and not heretofore widely prevalent or distributed within and throughout the United States, exists in Europe and Asia.

Now, therefore, I, David F. Houston, Secretary of Agriculture, under authority conferred by section 7 of the act approved August 20, 1912, known as "The Plant Quarantine Act," do hereby declare that it is necessary, in order to prevent the introduction into the United States of the white pine blister rust, to forbid the importation into the United States from each and every country of Europe and Asia of all five-leaved pines.

Hereafter and until further notice, by virtue of said section 7 of the act of Congress approved August 20, 1912,

the importation for all purposes of all five-leaved pines from the countries named is prohibited.

This notice of quarantine amends and supersedes notice of quarantine No. 1 promulgated September 16, 1912, and shall be effective until otherwise ordered.

D. F. HOUSTON,
Secretary of Agriculture.

May 21, 1913.

CHAIRMAN MARLATT'S EXPLANATION.

Chairman C. L. Marlatt of the Federal Horticultural Board in referring to the brief notice given of public hearing on the white pine blister rust quarantine, regrets that so little time was given in the matter. "It is the custom and general practice, where possible, to give a month's notice for these hearings. In this particular instance the regulations governing the importation of nursery stock were going through the press, having already been submitted to the committee of nurserymen for inspection, and it became necessary to make some modification of quarantine No. 1, in relation to the white pine blister rust. This modification had to be made promptly, so as to incorporate it in the regulations and new forms—permits, etc. As demands are piling up for these permits for the new year, there was no time for delay, hence the lack of lengthy notice.

"The change in the quarantine in the case of the white pine blister rust is not very material, and probably will not affect ordinary importations of nursery stock. It amounts to making the quarantine apply to five-leaved pines rather than to certain pines named specifically, and to European and Asiatic countries rather than to an enumeration of such countries. The original quarantine enumerated most of the important countries of Europe and Asia, but left out some less important ones without reason. The species scientifically named in the original quarantine included practically all of the five-leaved pines. The omitted five-leaved pines, however, should also have been included as, perhaps, equally dangerous. The designation, therefore, 'five-leaved pines' is a better one and, furthermore, calls attention to an easy means of determination of pines by inspectors."

EAST ORANGE, N. J.—W. W. Adams, a well known florist of this place, has bought the George Perkins range of about 15,000 square feet of glass at South Orange and will take possession July 1.

ROSE BUYERS

Please note that we will mail you a free copy of our Wholesale Trade Catalogue containing descriptions and prices of hundreds of rose trees including very newest varieties. Kindly send for same from

THE EAST END NURSERIES CO.,
Rose Specialists, BOSKOOP, HOLLAND.

—For the Best New and Standard—

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Mention the American Florist when writing

LARGE TREES

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Wholesale growers for the trade—
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SEND FOR LIST.

EVERGREENS, HEDGES AND HARDY PHLOX

Are my specialties.

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Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens,
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Conifers, Pines.

English Ivy

4 ft. bushy, 4 inch pots.....\$15.00 per 100
4 and 5 ft. bushy, 4½ inch pots 20.00 per 100

Good value for window effect.

Florists are always welcome visitors to our nurseries. We are
only a few minutes from New York City: Carlton Hill station
is the second stop on Main Line of Erie Railroad. :: ::

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Nurserymen and Florists.

RUTHERFORD, N. J.

Surplus of Aschmann's Choice Plants, Better Than Ever

Unequalled Money Maker.

After Decoration day all florists and growers have empty benches. What shall we do with them? Have them empty? Sure not, no prosperous florist thinks of such a thing. Don't have your money in the bank idle. Nothing in the world will pay you better than to invest in growing asters of the right kind, such as Godfrey Aschmann grows: the **Genuine Crego Aster**, with leaves and an abundance of large trusses and big flowers, suitable to cut. Used at banquets (when cut flowers are scarce, table decorations, funeral designs, etc.). It is also an excellent aster for pot culture. We have it in separate colors, pink, white, shell pink, cardinal, blue and lavender. We are well provided for and can **meet the rush**. 50,000 strong, heavy plants, 2½-in. pots are ready for immediate shipment **\$3.00 per 100; \$25.00 per 1000.**

Take the hint and consider what a big profit you can make by growing this aster, the Crego, for the latter part of July and in August your asters are ready to cut and bring a good price. Then what? Empty benches again, and you can raise another crop to replace the asters: this time for fall and Christmas trade, such as Nephrolepis Ferns of all varieties, Poinsettias, Cyclamens, Rubbers, Chinese or Obconica, Primrose, Jerusalem Cherries, Begonia Gloire de Lorraine or other winter blooming Begonias, Rubbers, Solanums, etc. This is what we call a live florist, a hustler utilizing every foot of your bench room to good advantage. If you want to be successful as a grower you must be wide awake, and consider that you have to realize \$2.00 to \$3.00 for every square foot of space in your greenhouse.

Our improved dark red Begonia Vernon and our improved Begonia Erfordii, beautiful pink, has no equal. A bed of these begonias, pink, the Erfordii, or the bright red improved Vernon, is a joy forever. Constant bloomers, stay always short and bushy, the hot rays of the sun have no bad effect on them. They can be grown in a sunny or shady place. We can sell you large 4-inch pot plants, either of the improved Erfordii, the beautiful pink, or the dark bright red improved Vernon, at \$7.00 per 100; 3-inch, \$5.00 per 100; 2½-inch, \$3.00 per 100; 5½-inch, plants, 25c each; big plants, 25 at 100 rate.

Araucarias OUR SPECIALTY

We have provided for the summer garden, the veranda and the porch with a fine lot of **Araucaria Excelsa** of our April 1912 importation, 6-7 inch pots, 4-5-6-7 tiers, 25-30-35-40 in. high; bushy, \$1.00, \$1.25-1.50 to \$2.00.



Don't Miss This Chance.

A Big Slaughter in our Moonvine, the **Ipomea Noctiflora**. To clean out we decided to sell our large 4-inch, (usual price 15c) at only 10c each or \$10.00 per 100. 2½ inch, look! only \$3.00 per 100, usual price \$5.00 per 100. We must have the room for our specialty the **Araucaria Excelsa**.

Ampelopsis Vetchii, our large pot grown, best that can be had, 15c, 20c, 25c each.

Heliotrope, best blue, 4 inch, 7c.

Ageratum, 4 inch, 7c.

Honeysuckle Halleana, Chinese evergreen, variegated, 4 inch, 10c.

Fuchsias, assorted, 4 inch, 7c.

Lemon Verbena, 4 inch, 7c; big plants.

Zinnia Elegans, 2½ inch, 3c.

Now is the right time to plant **Snapdragon** on Bushes.

Snapdragon or **Antirrhinum**, Giant White, Giant Pink, Giant Yellow, Giant Scarlet, separate colors, 2½ inch, \$3.00 per 100; very strong plants.

Tropeolum or **Nasturtium**, assorted colors, 4 inch, \$6.00 per 100; Empress of India, dwarf, dark red, bushy, 4 inch, \$7.00 per 100.

Cannas, best assortment, named separate colors, the best sorts, 7c, 8c, 9c, 10c. King Humbert, 4 in. 8c to 10c.

Araucaria Excelsa, new April, 1913 importation, 3, 4 and 5 tiers; 5, 5½ and 6 inch pots; 35c, 40c, 50c, 60c and 75c.

Robusta Compacta Glauca, big stock, 6 in. pots \$1.25 to \$1.50.

Coleus, fancy leaved, \$5.00 per 100.

Crimson Rambler Roses, 6 in. pots, suitable for outdoor planting, 3 to 4 feet high, 50c.

Geraniums, 4 in. pots, **S. A. Nutt**, scarlet; **Buchner**, white; **E. G. Hill**, salmon; **Beaute Poitevine**, salmon; and assorted colors: **Scarlet Sage**, **Bonfire** and **Zurich**, 4 inch \$7.00 per 100.

Asparagus Plumosus, 2½ in., \$3.00 per 100 or \$25.00 per 1000.

Asparagus Sprengeri, 2½ in., \$4.00 per 100.

Small Plants.

Phlox, **Drummondii grandiflora**, assorted colors, 2½ in. pots, \$3.00 per 100.

Verbenas, assorted, 2½ in., \$3.00 per 100.

Petunias, **California Giants**, 3 in., best plants, \$5.00 per 100; double assorted, 4 inch, 7c.

Petunias, **Inimitable**, dwarf or compacta, \$3.00 per 100.

Tagetes, dwarf marigold, \$3.00 per 100.

Coleus, **Golden Bedder**, **Victoria**, **Verschaffeltii**, and assorted, 2½ in., \$3.00 per 100. **Brilliance**, 2½ inch, 5c; 4 inch, 8c.

Thunbergia or black eyed Susan, 2½ in., \$3.00 per 100.

Lobelia, **Crystal Palace** compacta, dark blue, \$3.00 per 100.

PALMS, **Kentia Forsteriana**, 4 in., 25c to 35c; 5½, 6 in. pots, 25, 30, 35, 40 to 50 in. high, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50.

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Clematis Paniculata, large, 5½ to 6 in., per dozen, \$2.00.

Neph. Scotti, 4 in., 15c to 20c; 5, 5½, 6, 7 in., 25c, 35c, 40c, 50c, 60c, 75c. **Whitmani**, small, 4 in., 20c; 5, 5½ in., 25c to 35c.

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The Storrs & Harrison Co., Painesville, Ohio

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Araucaria excelsa, 6-in., 4 to 5 tiers; \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

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Asparagus Sprenger, 2½-in., \$2.50 per 100; \$20 per 1,000; 3-in., 6c. Erie Floral Co., Erie, Pa.

Asparagus plumosus and Sprenger, 2½-in., \$3 per 100; \$25 per 1,000. James Vick's Sons, Rochester, N. Y.

Asparagus plumosus, 2½-in., \$2 per 100. Sprenger, \$2. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6. Sprenger, 3-in., 75c per doz.; \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus plumosus and Sprenger, 2½-in., \$2 per 100; 300 for \$5.00. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmons, Newton, N. J.

Asparagus Hatcheri, 2½-in., \$2.50 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

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Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Bay trees and box trees, all sizes and prices. List on application. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS.

Bedding plants: Petunias, single fringed, 3-in., \$5 per 100; 4-in., \$8. Recinus (castor bean), 4-in., \$1.50 per doz. Alternantheras, red and yellow, 2½-in., \$2.50 per 100; \$20 per 1,000. Asparagus Sprenger, and plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprenger, 3-in., \$5 per 100; \$45 per 1,000. Ageratum, dwarf, blue, 2½-in., \$2.50 per 100; 3-in., \$5; 4-in., \$8. Begonias, tuberous rooted, 4-in., \$2 per doz.; Luminosa for bedding, 2½-in., \$2.50 per 100; 3-in., \$5. Cobaea Scandens, 4-in., \$1.50 per doz. Celosia, \$2 and \$3 per 100. Coleus in variety, 2½-in., \$2.50; 3-in., \$5. Grevillea robusta, 2½-in., \$2.50 per 100. Ivy, English, 2½-in., \$3 per 100; 4-in., \$12. Lobelia, Speciosa and Crystal Palace, \$2.50 per 100. Marguerites, Mrs. F. Sanders, double white, 3-in., \$6; 4-in., \$12 per 100. Primulas, 2½-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$5 to \$6 per 100. Salvia, Bonfire and Zurich, 2½-in., \$2.50 per 100; 3-in., \$5; 4-in., \$10. Poehlmann Bros. Co., Morton Grove, Ill.

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Bedding and basket plants. Asparagus Sprenger, 2½-in., \$3 per 100; \$25 per 1,000. Centaurea Gym., \$3 per 100. Geraniums, Mme. Salleri, \$2.50 per 100. Ivy, English, 4-in., strong, \$12 per 100. Lobelia Speciosa and Compacta, \$2.50 per 100. Petunia, giant ruffled, \$2.50 per 100. Salvia Bonfire, King of the Carpets and Zurich, \$2.50 per 100. Vinca Variegata, 3-in., \$6 per 100. The Storrs & Harrison Co., Painesville, O.

Geraniums, No. 1, 4-in., Ricard and Poitevine, in bud and bloom, \$8 per 100 without pot. Salvias, 3, 3½ and 4-in., 7c, good stock. Marguerites, white, large plants in bloom, 5-in. Cannas, 4-in., 8c. Cash with order or reference. H. W. Allersma, Grand Rapids, Mich.

Bedding plants: Geraniums, 3½-in., \$8.50 per 100. Vinca Var., 4-in., \$10 per 100. Dbl. lobelia, 3½-in., \$6 per 100. Ageratum, blue, 3½-in., \$6 per 100. Salvia Splendens, 3½-in., \$6 per 100. Leonard Cousins, Jr., Concord Junction, Mass.

Bedding plants: Geraniums, any variety, \$8 per 100. Vinca Var., 4-in., \$15 per 100. English ivy, 4-in., \$15 per 100. Nasturtiums, 3-in., \$6 per 100. Petunias, 3-in., \$6 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

S. A. NUTT, geraniums, 4-inch good stock, \$6.50 per 100. COLEUS: Golden Bedder, Verschaffeltii, Queen Victoria, Firebrand and others, good 2-inch stock, \$2 per 100. Immediate delivery. EDW. DOEGE CO., 4344 North Springfield Ave., Chicago.

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Coleus, alternantheras and other bedding plants. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Begonias, Argenteo-guttata, Pres. Carnot, Robusta, Sandersoni, 3-in., well colored foliage; strong and bushy, 4c. Memphis Floral Co., Memphis, Tenn.

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BERRIED PLANTS.

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Fra Diavola, a fine plant to grow in field for Xmas sales; full of berries, \$3 per 100; \$25 per 1,000.

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POEHLMANN BROS. CO.,

Morton Grove, Ill.

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Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods, pyramids, 2 to 2½ ft., \$1.25 each; 2½ to 3 ft., \$1.75; 3 to 3½ ft., \$2.50; 3½ to 4 ft., \$3; 4 to 4½ ft., \$4.25; 4½ to 5 ft., \$5; 5 to 6 ft., \$6. Globular, 2 ft., \$2.25 and \$2.50. Standards, 15 to 18 ins., \$2.25; 18 to 21, \$2.75; 21 to 24, \$3.50; 24 to 30, bushes, \$1.50; 30 to 36 ins., bushes, \$2.50. Obelisk, 5 ft., \$12 each. Globe shaped, 2 ft., \$4.50 each; 12 to 15 inches, \$2 to \$2.50. Bushes, 2½ ft., \$1.50; 2½ to 3 ft., \$2.50. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

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Bulbs, freesia, No. 1, ½-in. and up, \$5.50 per 1,000; No. 2, ¾-in. and up, \$3.50 per 1,000. Morris & Snow Seed Co., 425 S. Main St., Los Angeles, Calif.

Bulbs, liliun multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, cold storage Giganteums, 7-9-in., 9-9-in., and 9-10-in. Yokohama Nursery Co., Ltd., 51 Barclay St., New York.

Bulbs, S. S. Skidelsky & Co., 1215 Beta Bldg., Philadelphia.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

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Bulbs, gladioli, lilies, and madeira vines and other bulbs. E. S. Miller, Wading River, N. Y.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

CALLAS.

GODFREY CALLAS.

2½-in., \$4.00 per 100.

CONARD & JONES CO.,

WEST GROVE, PENNSYLVANIA.

CANNAS.

IMPROVED CANNAS.

Sixty varieties, healthy plants ready for delivery. Please send for list. King Humbert Canna plants ready for delivery, price \$9 per 100. THE CONARD & JONES COMPANY, West Grove, Pa.

10,000 potted cannas, 25 leading varieties, \$5 per 100 and up; lots of Humbert and Wm. Sander, 25,000 seasonable bedding plants, 2½ and 3-in. 200,000 R. C. chrysanthemums, \$15 per 1,000. Lists free. Benj. Connell, Florist, Merchantville, N. J.

Cannas, 3-in. pots, good sorts, \$3 per 100; \$25 per 1,000. King Humbert, \$5 per 100; \$40 per 1,000. R. Vincent, Jr. & Sons, White Mash, Md.

Canna King Humbert, fine 3-in., \$10 per 100. Henderson, Alemania, Wallace, \$5 per 100. Cash please. Harry Hehl, West Toledo, O.

King Humbert Cannas, 1,000 strong 4-in. plants, \$8 per 100. R. Witterstaetter, Sta. F., Cincinnati, O.

Cannas, A. Bouvier, 3-in., \$5 per 100. Erie Floral Co., Erie, Pa.

Cannas, 8 varieties, 3x4-in. pots, \$4 per 100. Jos. H. Cunningham, Delaware, O.

CARNATIONS.

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1,000
Enchantress	\$2.00	\$15.00
White Enchantress	2.00	15.00

Cash with order or C. O. D.

JOS. SCHOOS,

519 Asbury Ave., Evanston, Ill.

CARNATIONS.

From 2-in. pots ready to plant out. Fine Stock.

	Per 100	Per 1,000
Pure White Enchantress.....	\$3.25	\$30.00
Light Pink Enchantress.....	3.50	32.50

Strong Cuttings from Sand.
Pure White Enchantress \$2.50 \$20.00
Light Pink Enchantress 3.00 25.00
Cash with order or references.

SMITH & GANNETT, Geneva, N. Y.

Carnations, from 2-in. pots: Rosette, St. Nicholas, Benora, \$6 per 100. White Perfection, White Enchantress, Scarlet Glow, \$3 per 100. F. Dorner & Sons Co., LaFayette, Ind.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Dailedouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

For immediate shipment, strong guaranteed cuttings that will produce fancy stock. White Perfection, Enchantress, \$20 per 1,000. White Enchantress, \$25 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Carnation Princess Dagmar, \$12 per 100; \$100 per 1,000. Patten & Co., Tevksbury, Mass.

Carnation The Herald, the new scarlet. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, chrysanthemums. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTEMUMS.

CHRYSANTEMUMS.

STRICTLY FIRST-CLASS STOCK.

PINK GEM, 2-in. pots, \$5 per 100; rooted cuttings, \$4 per 100.

DECEMBER GEM, 2-in. pots, \$4 per 100; \$30 per 1,000; rooted cuttings, \$3 per 100; \$25 per 1,000.

CHRYSOLOREA, 2-in. pots, \$4 per 100; \$30 per 1,000; rooted cuttings, \$3 per 100; \$25 per 1,000.

WHITE BONNAFFON, DONATELLO, YELLOW IVORY, GLORIA, ROMAN GOLD, PATY, PACIFIC SUPREME, SMITH'S ADVANCE, MRS. H. ROBINSON, UNAKA, from 2-in. pots, \$3 per 100; \$25 per 1,000; rooted cuttings, \$2.50 per 100; \$20 per 1,000.

WHITE HELEN FRICK and NAGOYA, rooted cuttings only, \$2.50 per 100; \$20 per 1,000.

Also many of the exhibitions and present year's novelties in quantity. Not less than 25 of a kind at 100, 250 of a kind at 1,000 rate. Those desiring less than 25 plants of a kind will be quoted on application. For type, color and flowering season refer to our 1913 catalogue.

ELMER D. SMITH & CO., Adrian, Mich.

HEADQUARTERS.

Chrysanthemums, Rooted Cuttings.

	Per 100	Per 1,000
White.		\$2.50
Mrs. Chas. Razer		2.00
Snow Queen		2.00
White Ivory		2.00

	Per 100	Per 1,000
YELLOW.		
Dolly Dimple	2.50	
Col. Appleton	2.00	
Halliday	2.00	

	Per 100	Per 1,000
PINK.		
Maud Dean	2.00	
Dr. Enguehard	2.00	
Pink Ivory	2.00	

POMPOMS.

	Per 100	Per 1,000
WHITE.		\$2.00
Diana		2.00
Baby Margaret		2.00
Lulu		2.00

	Per 100	Per 1,000
YELLOW.		
Baby	2.00	
Quinola	2.00	
Pretoria	2.00	

	Per 100	Per 1,000
PINK.		
Ladysmith	2.00	

WIETOR BROS.,

162 N. Wabash Ave. Chicago.

ROOTED POMPOMS.

	Per 100	Per 1,000
Baby Margaret	\$1.50	
Baby Yellow	1.50	
Lulu	1.50	
Quinola	1.50	
Sonovia	1.50	
Mrs. F. Beu	1.50	
Klondyke	1.50	

Cash with order or C. O. D.

JOS. SCHOOS,

519 Asbury Ave. Evanston, Ill.

CHRYSANTEMUMS.

ROOTED CUTTINGS—READY NOW.

	Per 100	Per 1,000
White.	\$1.50	\$12.50
White.		
Oct. Frost		Silver Wedding
Early Snow		Yanoma
C. Touset		Yellow.
F. Poehlmann		Monrovia
White Cloud		Halliday
Des Jonis		Appleton
Queen		Golden Wedding

MEMPHIS FLORAL CO.,

MEMPHIS, TENN.

Chrysanthemums, from 2½-in. pots at 2½c. Rosiere, Bergman, White Eaton. From 2½-in. pots at 3c. Chrysolara, the finest early yellow grower. We have a large stock. From sand at \$2 per 100; \$15 per 1,000. Rosiere, Bergman, Touset, Oct. Frost, Robinson, White Eaton, Yellow Eaton, Unaka, Minnie Bailly, Mary Foster. Chrysolara, the best early yellow at \$2.50 per 100; \$20 per 1,000. Joy Floral Co., Nashville, Tenn.

Chrysanthemums, "Cap Family" and other varieties, \$10 per 100. Pompons, our selection, \$3 per 100; \$25 per 1,000. Standard varieties, Unaka, Gloria, Col. Appleton, Wills, Late Pink, etc., \$25 per 1,000 for 2½ in. pot plants. Chas. T. Totty, Madison, N. J.

Chrysanthemums, Chrysolara and Chas. Razer, rooted cuttings in lots of 50 of a variety, \$2 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums, rooted cuttings and 2½-in. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, large flowering, pompons, single and anemone flowered; best vars., 2½-in., \$3 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

Chrysanthemum Virginia Poehlmann, 1,500 strong 3-in. pots, \$3 per 100. R. Witterstaetter, Sta. F., Cincinnati, O.

Chrysanthemums, all the money making varieties. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, rooted cuttings. Erie Floral Co., Erie, Pa.

Chrysanthemums, leading varieties, \$3 per 100. Henry Smith, Florist, Grand Rapids, Mich.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, Verschaffeltii, Golden Queen, Golden Redder, Beckwith's Gem, Firebrand, Lord Palmerston, 2½-in., \$2.50 per 100; \$20 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

CROTONS.

Crotons, 3½ and 4-in., \$4 per doz. Vaughan's Seed Store, Chicago and New York.

CYCLAMEN.

CYCLAMEN GIGANTEUM, finest strain in existence, including GLORY OF WANDSBEK, finest, salmon, orchid flowering, Roccoo; strong transplanted seedlings, \$3.00 100; \$25.00 1,000. Cash, please. Rober & Radke, Maywood, Ill.

Cyclamen, 3-in. pots, very finest strain, \$10 per 100. Julius Roebers Co., Rutherford, N. J.

CYPERUS.

500 Cyperus alternifolius, large plants from 4-in. pots, \$6 per 100. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

DAISIES.

VIGOROUS DAISY PLANTS.

IMMEDIATE SHIPMENT.

Alexandra, 2½-in., 4.00 per 100
Mrs. Sander, 2½-in., 4.00 per 100
Mrs. Sander, 3-in., 6.00 per 100

WEILAND & RISCH,

154 N. Wabash Ave. Chicago.

Daisy Mrs. F. Sander, 2-in., strong, 2c.
Memphis Floral Co., Memphis, Tenn.

DRACAENAS.

Dracaena indivisa, 2-in., \$3 per 100; 3-in., \$5; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$6 per doz.; 8-in., 3 ft. high, \$1 to \$1.50 each. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracaenas, Linden and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz.; 7-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Chicago and New York.

Dracaena indivisa, 5-in., \$3 per doz.; \$25 per 100. Just right. C. C. Pollworth Co., Milwaukee, Wis.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roebers Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

Dracaena Massangeana, 6-in., \$1 to \$1.75 each. Poehlmann Bros. Co., Morton Grove, Ill.

FERNS.

Ferns for dishes, 2-in. assorted, to clean out, \$2.50 per 100; \$20 per 1,000. Transplanted seedlings, \$1 per 100; \$9 per 1,000. Rober & Radke, Maywood, Ill.

Table ferns, 10 varieties, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$6 per 100; \$55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

500 ferns, Pteris albo-lineata, 3½-in., \$8 per 100. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

Boston ferns, 25c; Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Table ferns, 6 varieties, 2½-in., 2½c. Memphis Floral Co., Memphis, Tenn.

Ferns. Robbink & Atkins, Rutherford, N. J.

FICUS.

Ficus pandurata, 6-in., \$3.50 each. Elastica, 6-in., 75c to \$1. Poehlmann Bros. Co., Morton Grove, Ill.

GARDENIAS.

Gardenias, 2,000 fine stock plants from benches, \$10 per 100. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

Gardenia, Veitchii, 2½-in., \$7 per 100; \$60 per 1,000; 3-in., \$12 per 100; \$100 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

GERANIUMS.

Geraniums, S. A. Nutt, 4-in., \$7 per 100; 2½-in., \$3 per 100; \$25 per 1,000; other standard varieties, \$3 per 100. Rooted cuttings: S. A. Nutt and La Favorite, \$1.25 per 100; \$10 per 1,000; Poltervine, Perkins, Hill, Harrison and Redfield, \$1.50 per 100; \$12.50 per 1,000. Happy Thought and variegated Nutt, 2½-in., \$5 per 100. Rober & Radke, Maywood, Ill.

Geraniums, 3½-inch Nutt, Grant and Lake-land, \$6.50 per 100; \$60 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poltervine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Mrs. Loyal (pansy geranium) 2½-in., 85c per doz.; \$6 per 100. Vaughan's Seed Store, Chicago and New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Geraniums, rooted cuttings, Ricard, \$12.50; Nutt and Poitevine, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, \$18.50 per 1,000 for 2-in. plants. Scarlet Bedder 3-in., \$1.50 per doz.; \$10 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

1,500 4-inch red geraniums, CLIFTON and 1,000 4-inch white geraniums Buchner, \$7.50 per 100. 200 5-inch Sprengerii, 20c each, from pots, and 200 hanging baskets, 40c each. THE RIVERBANK COMPANIES, Geneva, Ill.

Geraniums, 2½-in., \$25 per 1,000. Cash with order. Frank Felke, 828 Ridge Ave., Wilmette, Ill., Telephone 1236.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, my selection, \$5 per 100. Jos. H. Cunningham, Delaware, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut-Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. Caldwell The Woodsman Co., Evergreen, Ala.

Huckleberry foliage, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. E. A. Beaven, Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

HELIOTROPE.

Heliotrope, centeleur, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

HOLLYHOCKS.

Hollyhocks, asst. colors, \$40 per \$1,000. Hardy chrysanthemums, clumps, \$5 per 100; strong 2½-in. plants, \$3 per 100. Herbaceous perennials from 2½-in. pots. The New England Nurseries Co., Bedford, Mass.

Hollyhocks, yellow, red, pink, white, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

HYDRANGEAS.

Hydrangeas in pots and tubs, \$1.50 to \$3.50 each; large specimens, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

Hydrangea Otaksa, specimens in half barrels, \$5 and \$7.50 each; 14-inch tubs, \$2 and \$3 each; smaller sizes, 50c and 75c. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangeas from 35c to \$5 each. The Wilson Florist Co., Cleveland, O.

Hydrangea Otaksa, 6-in., 3 to 6 flowers and buds, 35c to 75c. Erie Floral Co., Erie, Pa.

Hydrangea Otaksa, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

Hydrangeas, in bloom, 25c, 35c, 50c and 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

ICE PLANTS.

Ice plants, 4-in. for hanging baskets, in bloom, \$10 per 100. C. C. Pollworth Co., Milwaukee, Wis.

IVIES.

English ivy, 4 ft., 4-in. pots, \$15 per 100; 4½-in., \$20. Bobbink & Atkins, Rutherford, N. J.

English ivy, grown in 3½ and 4-in., \$10 and \$12 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

English ivy, 5-in., 4 feet runners, \$2.50 per doz. C. C. Pollworth Co., Milwaukee, Wis.

English ivy, 4-in. pots, heavy, \$12 to \$14 per 100. Charles Lenker, Freeport, L. I., N. Y.

English ivy, 2½-in., 2c. Memphis Floral Co., Memphis, Tenn.

German ivy, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

LANTANAS.

Lantanas, weeping, 2-in., 2c. bushy. Memphis Floral Co., Memphis, Tenn.

LAUREL.

Laurus cerasus bush, 35c to \$1 each; standards, \$7.50 to \$10 each; pyramids, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the Valley, pips, Berlin and Hamburg, \$32 per case of 3,000. J. M. Thorburn & Co., 53 Barclay St., New York.

From Storage.

Lily of the Valley, cold storage. Order now for June weddings. Bruns' Celebrated Chicago Market Brand, \$18 per 1,000; \$9.50 per 500; \$5 per 250. Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3040 W. Madison St., Chicago.

LOBELIAS.

Lobelia Speciosa, 2½-in., 2c. Memphis Floral Co., Memphis, Tenn.

MARGUERITES.

Marguerites, in bud and bloom. Mrs. Sander, 4½-in., \$10.00 100; California, single and large flowering, 2-in., \$2.00; 3-in., \$4.00; 4½-in., \$8.00 100. Cash, please. Rober & Radke, Maywood, Ill.

Marguerites, Mrs. E. Sanders and Queen Alexandra, 2½-in., 60c per doz.; \$4 per 100. Vaughan's Seed Store, Chicago and New York.

MOONVINES.

Moonvines, grandiflora, strong 2½-inch to close, \$3 per 100; \$25 per 1,000. Cash. Wonseller Greenhouses, Bryan, O.

MOSS.

Green sheet moss, 1 bale (5 bundles) \$1.25; 5 bales (25 bundles), \$6. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

Moss, surplus of 12 barrel bale New Jersey moss, delivered anywhere in Chicago, \$5 per bale, 2 or more bales, \$4.75 bale. Klehm's Nurseries, Arlington Heights, Ill.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

Sphagnum moss, full size bales, clean stock, new burlaps. Vaughan's Seed Store, Chicago.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Evergreen hedges and hardy phlox. Adolf Mullett, Norristown, Pa.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PALMS.

Palms, Areca lutescens, 8-in. tubs, \$2.50 each; 5-in., 35c each; 4-in., 25c each. Kentia Forsteriana, 4-in., 35c. Memphis Floral Co., Memphis, Tenn.

Kentia Belmoreana and Forsteriana, from 4-in. to 10-in. plants, from \$4.50 per doz., to \$12.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Phoenix Canariensis, fine large plants, \$7.50 to \$35 each. Julius Roehrs Co., Rutherford, N. J.

Palms of all kinds. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANDANUS.

Pandanus Veitchii, 5-in., \$1; 6-in., \$1.50; 7-in., \$2; 8-in., \$2.50; 8-in. tubs, \$3. Vaughan's Seed Store, Chicago and New York.

Pandanus Veitchii, 5-in., \$1 each; 6-in., \$1.25; 7-in., \$2. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus Veitchii, \$1 each. Jos. H. Cunningham, Delaware, O.

PANSIES.

Pansies, Romeo Prize Winners, bud and bloom, \$1.25 per 100; \$10 per 1,000. C. Humfeld, Clay Center, Kans.

PEONIES.

PEONIES.

"PEONIES FOR PLEASURE."

This book of "Peonies for Pleasure" gives information on peony history, soil and plants to use; how and when to plant; fertilizers and how to apply; and describes the most extensive planting of really valuable peonies ever gathered together under the sun; describes the old and new as well as plebeian and aristocrat of the peony family. If you want information on the plant that stands next to the rose in beauty, that is practically known to the amateurs simply as a red, white and pink peony, then send for "Peonies for Pleasure." We also issue a special wholesale price list of peonies for fall sales, 1913. Send for both of the booklets. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World.

Rox 18, Springfield, Ohio.

PETUNIAS.

Petunias, single ruffled giants, 2-in. strong, bushy, 8c. Memphis Floral Co., Memphis, Tenn.

PRIMULAS.

Primula obconica grandifl., 2½-in., \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Primroses, \$2 per 100. Jos. H. Cunningham, Delaware, O.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

POINSETTIAS.

Poinsettias, June and July delivery, \$7 per 100; \$80 per 1,000. A. N. Pierson Inc., Cromwell, Conn.

Poinsettias, \$7 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

ROSES.

CHOICE ROSE PLANTS.

	Per 100	Per 1,000
Fine 2½-in. stock.		
American Beauties	\$ 5.50	\$ 50.00
Richmond	3.50	30.00
Pink Killarney	4.50	40.00
White Killarney	4.50	40.00
Sunburst	12.00	100.00

WEITOR BROS.

162 North Wabash Ave., Chicago.

ROSE PLANTS, 2½-INCH POTS.

	Per 100	Per 1,000
My Maryland	\$3.50	\$30.00
Pink Killarney	3.50	30.00
Richmond	3.50	30.00

ONE-YEAR-OLD BENCH PLANTS.

Pink and White Killarney	\$3.50	\$30.00
Beauties	3.50	30.00

GEO. REINBERG,

162 North Wabash Ave., Chicago.

Roses, grafted, Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$10 per 100; \$100 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95 per 1,000 in 100,000 lots. Killarney Queen, \$15 per 100; \$120 per 1,000. Own root: Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6 per 100; \$55 per 1,000. Richmond, 2½-in., \$5 per 100; \$45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, Milady and Mrs. Geo. Sawyer, grafted, \$30 per 100; \$250 per 1,000. Mrs. Chas. Russell, grafted, \$35 per 100; \$300 per 1,000. Mrs. Taft, Mrs. Aaron Ward, Richmond, Killarney, White Killarney, Lady Hillingdon, Radiance, Bon Silence, Bride, Golden Gate, grafted, \$15 per 100; \$120 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

VIGOROUS ROSE PLANTS.

IMMEDIATE SHIPMENT.

	Per 100: 2½-in.	2½-in.
Mrs. Taft (Bulgarie)	\$4.00	\$5.00

WEILAND & RISCH.

154 N. Wabash Ave., Chicago.

Roses, 10,000, Pink and White Killarney, 3-in. grafted, \$15 per 100; \$145 per 1,000; 700 grafted Kaiserin, same price. Own roots: 1,800 White Killarney, 3,800 Pink Killarney, 500 Kaiserin, 1,800 Richmond, 2½-in. pots, \$5 per 100; \$45 per 1,000. 1,700 Perles, \$5 per 100; \$45 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Crimson Ramblers, 5 and 6-inch pots, 3-foot canes, \$25 per 100. Charles Lenker, Freeport, L. I., N. Y.

If You Do Not Find What You Need In Our Ready Reference Department, Write Us About It.

ROSE PLANTS.

Per 100 Per 1,000
 1,275 My Maryland, 3-inch pots, \$4.00 \$35.00
 600 My Maryland, 2-inch pots, 3.50 30.00
 200 Melody, 2-inch pots, 3.50 30.00
 SINNER BROS., Chicago.

56 E. Randolph St., Chicago.
 ROSES, strong, young plants, for growing on. Send for list including Excelsa, new Red Dorothy Perkins, \$4 per 100; \$30 per 1,000. THE CONARD & JONES COMPANY, West Grove, Pa.

2,000 Kaiserin Augusta Victoria roses, strong plants, 4-inch pots, \$10 per 100; 2,000 3½-inch pots, \$8 per 100. All on their own roots. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

ROSE PLANTS—2½ INCH.
 4,000 Pink Killarney. Fine healthy stock. Will sell reasonable. Write for prices. ADAM ZENDER, 6638 Ridge Blvd., Rogers Park, Chicago, Ill.

Roses, good, clean stock, 3½-in. pots, Pink and White Killarney, Perle, Kaiserin, \$6 per 100; \$50 per 1,000. Killarney Queen, \$12 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses, grafted, Killarney, Waban White Killarney and Lady Hillington, strong plants, from 3-in and 3½-in., \$12 per 100; \$100 per 1,000. Robert Scott & Son, Sharon Hill, Pa.

ROSES, My Maryland, 2½-in., strong, 2½c. Marechal Niel, 2-in., strong, 3c. Memphis Floral Co., Memphis, Tenn.

5,000 American Beauty Bench Plants, \$5 per 100; \$40 per 1,000. WIETOR BROS., 162 North Wabash Ave., Chicago.

Rose plants, Kaiserin and My Maryland, 3-in. pots, \$6 per 100. Henry Smith, Florist, Grand Rapids, Mich.

SMILAX.

Smilax, 2-inch, 2c. Memphis Floral Co., Memphis, Tenn.

SNAPDRAGONS.

Snapdragons. Ramburg's famous silver pink, rooted cuttings, \$2 per 100; extra strong 2½-in., \$3.50 per 100. Addams, Morgan & Co., Paxton, Ill.

SALVIAS.

Salvia Splendens and Bonfire, 60c per 100; \$5 per 1,000. Dracaena Indivisa, 2-in., \$2 per 100. Geraniums, 2-in., \$1.85 per 100. Cobea Scandens, 2-in., \$3 per 100. Marguerite, Mrs. F. Sander, 2-in., \$2 per 100. Double Alyssum, 2-in., \$2 per 100. Elmer Rawlings, Oleam, N. Y.

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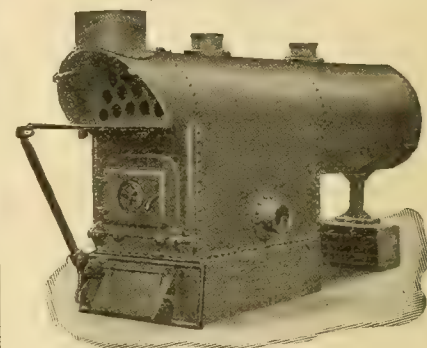
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Chicago Notes.

The Pulverized Manure Co., 32 Union Stock Yards, is now situated so that it can again take care of all orders. This firm has been in business about seven years and controls the output of the Union Stock Yards as well as a large yard in St. Louis, Mo. It also has large storage plants at both of its places and had some 3,000 tons of finished products on hand on January 1, 1913. Business continues to be so good that Dwight L. Harris, a member of the firm, does not agree with those less fortunate who think that this grand old country is not in a very prosperous condition.

The John C. Moninger Co. has secured the contract to furnish the materials for the new Chicago University conservatory and also for the new addition to the J. D. Thompson Carnation Co.'s plant at Joliet. Otto Hirschfeld, its agent at Cincinnati, O., has secured the contract to build a new

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The Adam Schillo Lumber Co., Hawthorne and Weed streets, reports a shortage in pecky cypress and bench lumber but expects conditions to change soon and to again be in a position to fill all orders. The Schillo company is known near and far as cypress specialists and commands a good trade in this territory.

The Illinois Metals Co., 2440 West Twenty-second street, now has a new nozzle for the Anti-Klog sprayer that it manufactures and which Manager J. B. Burke says is a great improvement over the old one.

King Greenhouses

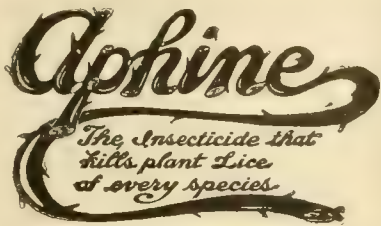
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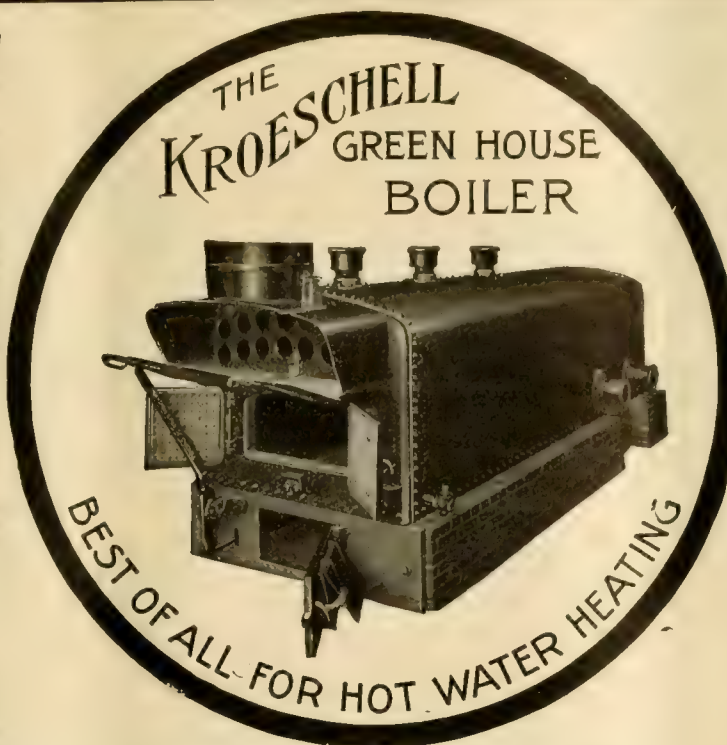
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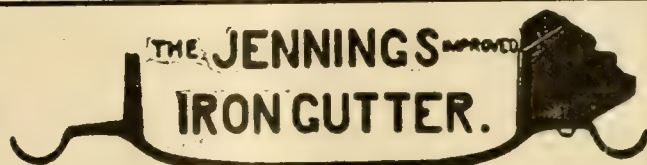
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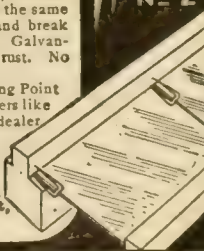
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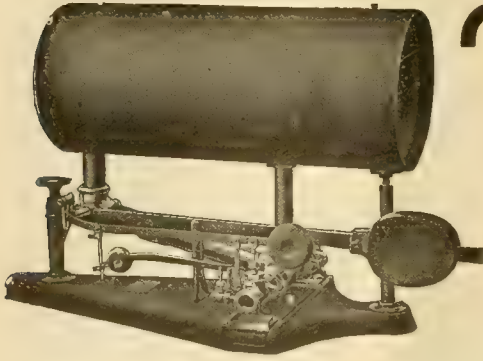
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Vol. XL

CHICAGO AND NEW YORK, JUNE 14, 1913.

No. 1306

THE AMERICAN FLORIST

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Subscription, United States and Mexico, \$1.00 a
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enough they should be potted into
small pots and shifted along into
larger sizes as fast as is required.
They should, as soon as well estab-
lished, be given a light, airy location
not shady enough for them to become
drawn, but if in the full sunlight
will have to be watched closely that
they do not get dry. They will re-
quire cool quarters during the win-
ter, if nice stocky plants are desired,
and under this treatment fine 6-inch
pot plants may be had in bloom in
early spring that will surely attract
attention. For the last potting a good
rich soil will be required and when
they begin to bloom watering with
liquid manure will be beneficial. Like
the cineraria they are quickly ruined
by aphids and constant fumigation will
be necessary. Many growers stand the
plants on tobacco stems which are re-
newed as the strength is lost.

Bougainvilleas.

The plants of bougainvilleas that are
through blooming should be cut back
into shape and potted in preparation
for the next season's growth. Much
depends upon the summer care of all
hard-wooded stock if nice specimens
are to be grown. They should be
plunged outside in a frame or placed
in full sun in a light airy house. Out-
side culture is far preferable for all
this class of stock in order that a good
strong growth, well furnished with
foliage, may be assured. Be sure that
they never get too dry. The great dan-
ger of all hard-wooded stock is letting
it dry out, for it does not show it as
quickly as the softer growing plants
but the check is more severe and the
plants seldom fully recover from it.
The young stock rooted earlier should
be placed in a similar location, and

kept well pinched back into shape, un-
til enough shoots have been obtained
to insure a good shapely plant, when
they can be allowed to grow freely, but
any extra strong leaders are better cut
back during the season. Any chance
flowers that show should be picked off
at once, that a good strong stocky
plant may be obtained and the
strength all retained for that purpose.

Freelias.

A crop of freelias, or a few plants
in pots in bloom, at Christmas is a
valuable asset on that holiday. In or-
der to have them in bloom at that
time the bulbs should be planted by
July 1. Select the large strong bulbs,
and by careful inspection many will
be found on which the root eyes are
beginning to swell. These will make
the earliest blooming plants, and this
selecting will produce plants that will
all bloom at the same time. The bulbs
should be planted in a good soil en-
riched with well rotted manure, but
no fresh manure; it is a well under-
stood principle that bulbs of all kinds
do not grow well in soil full of fresh
manure. Eight to ten large bulbs in a
6-inch pot will give the best results.
The pots should be well watered and
placed in a dark, cool place until the
shoots appear above the ground, when
they should be given a light location.
As soon as the growths get tall enough
they should be staked and tied. By
continual early selection of the bulbs,
and keeping the earliest separate, an
early strain can be assured.

Oleanders.

A plant that does not receive the
attention that it should is the olean-
der. While there probably would not
be a large demand for this plant, yet
it is an old time favorite, and well
grown specimens in bloom are a val-
uable addition to a porch or lawn. They
are too often so sadly neglected that
they get unshapely and far from be-
ing an ornament, but a little attention
to trimming them into shape after they
get through blooming will keep them in
good condition. They can be wintered
in any cool quarters, and if brought
into the heat and light in early spring

will be full of bloom in June and July and a valuable decorative plant. The cuttings root easily and at any time when the plant is in growth, and grow very rapidly for a hard-wooded plant. Any florist carrying a line of assorted stock should include a few of these in the variety which he cultivates. The only insect which troubles them is the mealy bug, but a good frequent hard syringing will soon dislodge them.

Poinsettias.

The propagation of poinsettias should be pushed to the utmost at this time, for it is the plants that are rooted early in July that make the best single specimens at Christmas. Those that are rooted later in July and during August will make fine plants for pans, placing four to eight plants in a 6-inch or 8-inch pan, for they will be much shorter than those rooted early in July. The plants that were rooted earlier should now be growing nicely and should be shifted into larger pots as soon as they require it; under no circumstances allow them to become pot-bound until the bracts begin to set in November. They should be placed in the bright sun as soon as strong enough to endure it, that the growth may be short and sturdy and the leaves as close together as is possible. A long, drawn plant grown in the shade, with the leaves far apart, is not the typical plant for the holidays and does not meet with approval.

Nephrolepis.

Probably no plant that the florist grows gives more return for the labor spent in its culture or the space that it occupies than the Boston fern and its various sports. The old Boston is still, however, the easiest to handle and grow. The plants should be repotted every year, and with good treatment are sure of making nice plants. Any plants that are in poor condition can be divided and with the young stock planted in a bench of good rich soil. The house should be shaded enough to assure of good color on the foliage but not heavy enough to prevent the house being maintained at a good high temperature. During the day the house should stand at about 80 degrees with a little ventilation which should be closed down before the sun leaves the houses. The plants can be set six inches apart and the soil should be two parts loam, one part leaf mold, and one part rotted manure. The house should be frequently syringed to keep a moist atmosphere. Under these conditions fine plants can be produced from young stock in three months. In September they should be lifted and placed in 6-inch pots, if single specimens are desired, or three or four plants can be placed in a 9-inch or 10-inch pot if larger plants are wanted. In lifting the plants they can be cut around about two inches from the crown, and lifted with a trowel leaving the runners in the bench, if the place they occupy is not wanted at once. The runners will immediately break into small plants which can be placed in flats for young stock for the next season. The finer varieties of this fern such as Whitmani do not submit to the lifting and potting as well as the old Boston and better plants can be obtained by potting along into larger pots as may be required. The only insects that trouble these ferns are the brown scale, and the plants should be kept clean from these either by washing, or spraying with aphine, or a weak nicotine solution.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Flowers for the Steamers.

It is quite the usual thing at this time of the year for an Atlantic liner to go to sea with a great quantity of cut flowers on board as parting gifts. Of course these gifts have to be disposed of after the vessel gets past Sandy Hook. They have to be removed from the saloon before the first meal. An elaborate piece is taken to the music room for exhibition, but the majority of flowers are sent to the cabin of the person or persons for whom they were intended. Flowers for passengers are not taken to the cabins when they reach the vessel unless specially marked. Most of them are intended as surprises to the recipients who know nothing about them until they see them in the general display in the saloon. It sometimes happens that some special bunch of flowers of sentimental significance has been sent to the cabin so that the recipient will see it after the last good-byes have been said. Most of the flowers, however, are taken to the saloon.

Baskets fitted with water retainers offer the best opportunity for keeping cut flowers sent to steamers. All of our best florists are now using this method instead of mossing. Even for the flowers on the handles small phials of glass are filled with water and deftly hidden by ribbon bows and streamers are used. A card is usually attached stating that the basket contains water and should be handled with care and also a suggestion that the retainers be refilled when delivered at the home. The florist messenger informs the butler or maid of the water. This is the very newest thought in flower arrangement and is a very practical one. This was particularly noticeable at a recent wedding reception where a great number of fancy handle baskets were arranged around the different rooms, for those containing water held their crisp freshness to the very last while those arranged in moss showed a withering effect. This new idea is not at all common among our florists but should be followed generally, for it gives an added value in lasting quality and also enables the florist to arrange and prepare these baskets

ahead of time without having to worry as to the basket keeping its freshness. Of course it is necessary that ferns and greens be profusely used to cover the water retainers, in some of which small tubes of tin are used or rather attached to the center for tall spiral flowers. While these tube effects in the retainers are not so very common or generally used it is only a matter of time when our florists will fall in line with the new thought in floral arrangement of baskets.

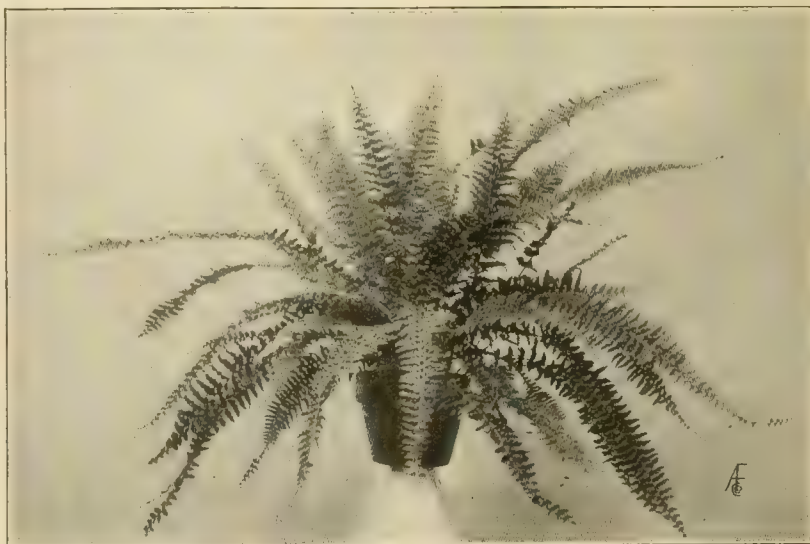
The Colonial effect in basket arrangement is pretty and novel, for with the central tube the regulation circle can be made, using a handsome flower for the center and grouping the different rows around it, or bouquets of individual character can be made and arranged into the basket where flowers are to be sent to steamers and where more than one member of the party is to receive a token from the sender. This will add attractiveness to the saloon display and when sent to the cabin will furnish a surprise, as each spray composing the basket will have a cord attached. A card could be attached with the different names for whom intended and all placed in one envelope calling attention to the fact that the basket is arranged in sectional bouquets. A card should also be hidden in each bouquet and this will not only create an interest but will be something "different." This will be especially appreciated by those wishing to send the flowers as a surprise.

A. E. K.

BELVIDERE, ILL.—Frank B. Brigham has leased the Eldredge greenhouses for a year. Mr. Brigham had been in charge of the plant for the last three years for the Eldredge estate.

MARSHALL, ILL.—It has been reported that H. G. Bershey had sold the greenhouse here and was moving away. He says such is not the case. He still has charge and will continue to run it the same as in the past.

NEW HAVEN, CONN.—Charles Conti, a local florist, was awarded damages in the sum of \$790 in his suit against the New Haven Gas Light Co. He charged that blasting by the company's workmen had damaged his greenhouse and the plants and flowers as well.



THE HARRIS BOSTON FERN.

THE OLD BOSTON FERN. *NEPHROLEPIS EXALTATA BOSTONIENSIS*.**Notes of the Arnold Arboretum.**

For the decoration of northern gardens there are no more beautiful or desirable shrubs than the azaleas of eastern North America. There are seven species of these plants and they are now all called rhododendrons by botanists, and in the Arboretum all azaleas are labeled rhododendrons. The first species to bloom, *R. Vaseyi*, begins to flower the beginning of May and the flowers of the last, *R. viscosum*, can be found here as late as the middle of July, so that the azalea season is a long one. *R. Vaseyi* is a tall shrub, with slender stems and an open irregular habit. In its home in the sheltered valleys of the Blue Ridge in South Carolina it sometimes grows to the height of from fifteen to eighteen feet. The flowers are produced before the leaves appear in small compact clusters and are pure pink in color, but occasionally plants are found with nearly white flowers. Although this plant was not discovered until comparatively a few years ago, it has been much planted in gardens near Boston and it is fast becoming here one of the most popular of the early-flowering spring shrubs. With *R. Vaseyi* the rhodora (*R. canadense*) flowers. This well known dwarf shrub often covers, especially in the north, large areas of moist or swampy land with a sheet of bloom. The small flowers, however, are of a rather unattractive rose-purple color, and the fame of the rhodora is perhaps due more to Emerson's poem than to its intrinsic beauty. Naturally the rhodora grows from Newfoundland to Pennsylvania and New Jersey.

The next to bloom are the two pink-flowered species, *R. canescens* and *R. nudiflorum*; the former is a northern and the latter a more southern plant and is especially common in the Gulf States from Florida to eastern Texas. The flowers of these plants open before or with the unfolding of the leaves and

in early spring fill the woods with beauty and fragrance. Both species can now be seen in flower on Azalea path, and there is a large mass of *Azalea canescens* on the right-hand side of the Meadow road in front of the linden group. The flame-colored azalea, *R. calendulaceum*, is the next species to flower and is already beginning to open its orange, yellow, or reddish flowers which are not fragrant. This shrub is an inhabitant of the Appalachian mountain region from southern New York to Georgia, and is extremely abundant on the lower slopes of the high mountains of North Carolina and Tennessee. In flower it is the most showy of our azaleas and one of the most beautiful of all flowering shrubs.

A large mass of this azalea has been planted on the slope below Azalea path and occasional large specimens can be seen in the border plantations along some of the roads.

The next species to flower, *R. arborescens*, is also a native of the Appalachian mountains on which it grows from Pennsylvania to Georgia and where in sheltered valleys it sometimes attains the height of fifteen feet or more. The flowers, which appear after the leaves are nearly fully grown, are white or faintly tinged with rose color and are made conspicuous by the long bright red filaments of the stamens. The flowers are very fragrant and the young leaves have the odor of new mown grass. Less showy in flower than the flame-colored azalea, it is one of the most beautiful of all hardy azaleas.

The last species to flower, the clammy azalea or swamp honeysuckle, is a common inhabitant of the swamps of the eastern states, especially of those in the neighborhood of the coast. The rather small flowers are pure white and covered with clammy hairs, and the leaves are often of a pale bluish color, especially on their lower surface. This plant is valuable for the lateness of its flowers which do not open until the flowers of most hardy shrubs have passed, and for their fragrance.

These shrubs are all perfectly hardy in eastern Massachusetts and flourish in all exposures and in good garden soil, although like all rhododendrons they cannot be made to live in soil strongly impregnated with lime. They are not often cultivated because it is not easy to find these plants in nurseries, for few nurserymen, especially in the United States, care to take the trouble to raise such plants from seeds, the only satisfactory way in which they can be propagated. In beauty, constitution and hardiness they are superior to the so-called Ghent azaleas which are hybrids between the species from the Caucasus, which is not hardy here, and some of the American species. The Ghent azaleas are favorites with European nurserymen who propagate them by grafting and they are imported in large numbers into this country. Here they grow slowly; many of the varieties are not at all hardy and others are liable to lose large



NEPHROLEPIS SCHOLZELI.

branches in severe winters. The American species are better garden plants here, too, than the yellow-flowered Asiatic species, *R. japonicum*, usually called *Azalea mollis* in gardens, a common Japanese and Korean plant, and the Chinese *R. sinense* or the hybrids of these two species. *Azalea mollis* is hardy and free-flowering but the plants are short-lived in this country. The little known *R. sinense* with its beautiful yellow flowers is hardy but the flower-buds have usually been killed in each of the two or three winters this plant has been exposed here in the open ground.

The Japanese and Chinese *Viburnum tomentosum* is now in flower. This is a large shrub with wide-spreading horizontal branches along the upper side of which the flat flower-clusters are thickly placed and are surrounded by a ring of pure white sterile or ray flowers which make the conspicuous part of the inflorescence. The flowers are followed in the late autumn by brilliant fruits which, scarlet at first, become black when fully ripe. The leaves turn orange and scarlet in the autumn. There is an interesting narrow-leaved form of this plant (var. *lanceolatum*), discovered in Japan by Professor Sargent, now flowering in the Arboretum. There are also two "snowball" forms of this plant developed in Japanese gardens and much cultivated here and in Europe under the name of *Viburnum plicatum*. The correct name of the more common of these two plants is *V. tomentosum*, var. *dilatatum*. This is the Japanese snowball usually cultivated in this

country and it will not be in its best condition for another week or ten days. The other form (*V. tomentosum*, var. *dilatatum*, f. *rotundifolium*), which appears to be a dwarfier plant, has been in flower for the last ten days. These forms of *viburnum* can be seen growing together in the large collection of *viburnums* recently arranged on Bussey Hill road just before it turns into the Valley road near the Centre street gate.

Viburnum tomentosum and the Co-rean *V. Carlesii* are ornamental plants of great beauty and value but, with the exception of these two plants, none of the eastern Asiatic species compare in value as decorative plants with the *viburnums* of North America. To these much of the late spring and early summer beauty of the Arboretum shrubberies is due, and the successful cultivation here of these plants is at last making their value known and appreciated. Thirty years ago it was practically impossible to buy an American *viburnum* in any nursery, but now several of the species are largely propagated in many North American nurseries and have been used in considerable quantities in many American parks.

About a dozen of the American *viburnums* are thoroughly established in the Arboretum, the different species flowering through a period of two months. The earliest to flower and the most difficult to establish here satisfactorily, *V. alnifolium*, often called *V. lantanoides*, the hobble bush or moosewood of northern woods, has

been out of flower for several weeks and now the only species in flower is the black haw, *V. prunifolium*. This is a small shapely tree of the middle states where it is often extremely common. The flowers are in convex clusters and are followed by sweet blue-black fruits. These and the leaves, which late in the season turn deep wine color, make this a particularly attractive plant in the autumn. Several other species will be in flower in a few days and will be mentioned in later issues of these bulletins.

Three species of *Enkianthus*, an Asiatic genus of the heath family, are unusually full of flowers and flower-buds this year. The largest of the Japanese species, *E. campanulatus*, is now in flower and the flowers of the other species will open in a few days. *E. campanulatus* is a tall shrub with bell-shaped flowers hanging gracefully in long clusters which are partly hidden by the leaves. There are two forms in the collection, one with pale yellow flowers striped with red, and the other with rather smaller red flowers. The leaves of all these plants turn brilliant scarlet in the autumn and for its autumn colors *E. campanulatus* is much cultivated in Japanese gardens. The three species are in the shrub collection, and there is a large group of them on the lower side of Azalea path where *E. campanulatus* can now be seen in its greatest spring beauty.

Of Chinese plants flowering here for the first time attention is called to *Lonicera Koehneana*, a large hardy



RAMBLER ROSES IN FAIRMOUNT.
Hiawatha in Full Bloom.



RAMBLER ROSES IN FAIRMOUNT.
South Orange Perfection on the Speedway.

and vigorous shrub with dark red-purple branchlets, thick yellow-green leaves with conspicuous veins and pale yellow flowers slightly tinged with red on the outer surface of the corolla, and to *Neillia sinensis*, an interesting plant related to the spiraeas. The former is in the bed of Chinese shrubs on the southern slope of Bussey hill, in which a number of the new cotoneasters are also in flower, and the neillia is on Hickory path near Centre street.—A. A. B. P. I.

MCPHERSON, KANS.—C. A. Simonson will erect another greenhouse this summer.

SEDALIA, MO.—Dr. J. E. Cannaday is organizing the State Fair Floral Co. and will build an extensive greenhouse plant. There will be eight houses, 30x200 feet. The total expenditures are said to be approximately \$100,000.

NAZARETH, PA.—Johnson & Garland have filed suit asking that the Electric Street Railway Co. be compelled to carry freight. It is claimed that the defendant company has an agreement with the Lackawanna Railroad not to compete in the freight business.

DULUTH, MINN.—Louis Visias was awarded damages of \$1,500 in his suit against his lessors, John A. Stephenson and the Gregory Co., as a result of a drop in the temperature of his greenhouse. Many plants were hurt by the cold and Mr. Visias sued for \$5,000, charging that the defendants had not kept the heat at the temperature agreed upon in the contract.

THE ROSE.

Rambler Roses in Fairmount.

Philadelphia, Pa.—When the speedway was built a straightaway track, a mile and a quarter in length and one hundred feet wide, was laid out in Fairmount Park, so that the owners of fast trotters could try them out without regarding the time limit of the regular park courses. There was also constructed a wide walk of asphalt to be used by the spectators. On the track side of a fence dividing the course from this walk was planted a hedge of privet and on the other facing east, Oglesby Paul, the Landscape Architect of the park, set out several hundred Rambler Roses, many of which have grown vigorously and produced flowers abundantly, the showing this spring after four years' planting being very fine. The roses are in the center between pin oaks, set about forty feet apart, and in some cases have grown so vigorously as almost to cover the entire fence for this distance.

To the lover of roses a walk along this enchanting avenue of flowers with its wealth of many-hued colors so gracefully arranged and backed with glossy green foliage from which spring graceful, strong shoots which add greatest pleasure. All the varieties variety and vigor, is a source of the popular at this time of planting are seen here. One of the most frequent and apparently the most vigorous is

the beautiful gardenia, with its yellow buds and white flowers tasseled with large clusters of yellow stamens, one as best. Several plants of this variety extend from tree to tree, a distance of forty feet, and are perfect specimens of the class. Among them are Manda's Triumph, Evergreen Gem, Hiawatha, Dorothy, Perkins, Universal Favorite, South Orange Perfection, Crimson Rambler. Several single white, and a number of single pink and red ones that are not familiar but nevertheless beautiful, are seen interspersed and alternating in color, each section or combination of several colors seeming more beautiful as they come into view. The time of bloom is about three weeks from June 1, some varieties being earlier than others but visitors will find a bountiful supply of flowers at any time during the first three weeks of June.

What has been done here while admirable and worthy of emulation in all public parks, is but a beginning or experiment. A section of several acres should be laid out as a rose garden, the approaches, drives, etc., being marked with the best of the rambles, trained to cedar posts set back from the drives. Arches, pergolas and arbors as they are to be found in private estates, could be worked out on a larger scale. Large beds planted with the ever increasing list of hybrid teas which provide a display of blooms the season through, would form the center of this beauty spot. This may seem a bit "rosy" but it is worth working for. It is partially realized, and small sections are seen

in every suburban community. If the trade would get together in every large city, and advocate the planting of such gardens, it would soon be the feature of every city's pleasure ground.

ROBERT KIFT.

hyde, known also as formal, methanal and methyl aldehyde, and identical in properties with formalin, most nearly meets these requirements; it is a solution of formic aldehyde, and is sold of a strength of about 40 per cent. It

loosened, and moistened if necessary, would be ideal. A windy day and a state of the soil so dry that the formaldehyde would be rapidly evaporated, and the vapor never have a chance of getting down into the interstices, would be quite unsuitable; so also would be soaking wet weather.

Formaldehyde can be safely applied to any rose foliage when diluted to a strength of one-eighth per cent., i. e., one tablespoonful of the commercial formaldehyde of 40 per cent, to a gallon of soft water. Double this strength, viz., two tablespoonfuls to the gallon, may be used in the winter. In carrying out my experiments with formaldehyde, I took certain roses which had been infested with black spot the season before. These I divided into two groups, one for experiment, the other to be left untreated to serve as a control. In the case of the latter there was no mistaking the return of the disease early in the season, followed by the usual defoliation, while in the case of those treated the result surpassed all my expectations. For where previously black spot was early in evidence, to be followed in the usual course by the blanching and dropping of leaves, the plants treated retained all their outward health and vigor, and no sign of mischief showed itself so long as I kept up the formaldehyde applications. I discontinued them in August, and it was not till the end of September that I began to notice here and there, but not universally as had previously been the case, some signs of the pest, and it was not till the end of October that any defoliation was in evidence. Meantime, in the control groups, the lower stems of every plant had been bare for months. There could be no mistaking the good effected by the formaldehyde.

As roses are always liable to attack during the growing season, it is desirable, if the best results are to be attained, that the treatment be kept up as continuously as possible. The procedure which I am adopting is as follows: Starting, say, as soon as the buds begin to open, I make sure that the soil is friable, and moist (if need be, watering it previously) and then thoroughly spray every part of the plant and the ground around it with



RAMBLER ROSES IN FAIRMOUNT.

Lady Gay.

Black Spot Treatment.

Black spot is such an enemy of the rose that any contribution towards its repression must be welcome. I therefore beg to lay before the National Rose Society the results of a series of experiments which I have carried out in this direction, and which have yielded most promising results. It must be understood, however, that black spot is a fungus disease, propagated by spores so freely produced and so widely distributed that it is quite impossible to say with any certainty that the disease can ever be totally eradicated, even from the most carefully watched gardens. But we may hope, at least, to keep it within such bounds that it will cease to cause any special anxiety, says Dr. Arthur R. Waddell in current annual of the National Rose Society of England.

Here let me briefly recapitulate what has been so ably said by G. Massee and F. B. Theobald in "The Enemies of the Rose," published by the society. The organism of black spot invades the living tissues of the plant, and there reproduces itself by means of spores on the leaves. It produces these spores in two cycles. The first, the early summer reproduction, yields a spore not adapted to remain dormant for any length of time, but capable of immediately bursting into action or growth the moment it finds a suitable host. The second cycle is that of late summer or autumn, and the spore then produced is quite different from the earlier one; it can remain dormant for months, thus securing the continuance of the species from one season to another.

Clearly what is wanted in order to combat this parasite is something which, on the one hand, can be absorbed into the tissues of the plant and on the other, will kill or weaken the spores outside the plant. And that remedy must be easy of application and within the reach of everybody. My experiments have shown me that commercial formalde-

mixes freely with water; sufficiently diluted, it is harmless to foliage and is non-poisonous; it is quite inexpensive. It readily vaporises if distributed in the form of a fine spray or heated, and is then, as well as in the solution, a powerful germicide and preventer of decomposition and fermentation. It is this property of volatilizing which makes it unlike anything else yet known to us, and which enables the formaldehyde to act in the interstices of the soil as well as in the air around the plants. We must bear this in mind when we use it, and consequently must endeavor to take advantage of those conditions of atmosphere and soil which will most facilitate its action. The former will be best when still and cool, and the latter when it is friable and moist, but not sodden with wet. The cool of a calm evening in summer when the soil had been previously



RAMBLER ROSES IN FAIRMOUNT.

Along the Speedway.

one-eighth* per cent. solution (one tablespoonful of the 40 per cent. formaldehyde in a gallon of water). This I repeat, if I can, next day, and continue at intervals of a week or ten days all through the growing season. After the normal fall of the leaf in autumn, again in mid-winter and again in February, I spray with a solution double this strength, viz., one-fourth per cent. (two tablespoonfuls of the 40 per cent. formaldehyde to the gallon of water).

To obtain the best results the spraying must be carried out thoroughly, every part of the plant must get its douche, the underside of every leaf, every portion of the bark, and the surrounding soil. It is not necessary nor desirable to drench the latter, but merely to bedew the surface till it looks moist, for the formaldehyde will then best work its way into all the interstices. But if it be impossible for some people to carry out such a systematic course of treatment as I have described, let me cheer them on by saying that every single application will be of some substantial benefit, and, if spores potential for evil be within reach, they will be either killed or at any rate weakened. In the hot summer of 1911 I obtained what appeared to be most excellent results from simply administering two isolated sprayings to a variety which is exceedingly prone to black spot.

A good spraying apparatus is essential; it must produce a vapor and not a shower; the drops of a shower may run together or not, but the coarser they are the greater chance there is of patches being left untouched, whereas a gentle and continuous vapor will reach every spot. The apparatus must have a bent nozzle, or be so adapted that the entire undersurface of every leaf will be thoroughly searched, for no perfunctory spraying is worth the expenditure of energy or material. Benton & Stone's "Pneumatic Sprayer" figured at page 99 in "The Enemies of the Rose" is excellent. There are numerous makes of hand spray, but of those which I have tried, and they are many, the only one I can recommend as fully meeting the requirements of the case is Cooper's Spray Diffuser, Pattern A, sent out by Wm. Cooper and Nephews, of Berkhamsted.

And let me add here that all that I have said of formaldehyde in the treatment of black spot applies equally to rose mildew and rose black mildew. These, like black spot, are fungus diseases, and while differing in some details of their manifestations, move on parallel lines and are amenable to the same principles of treatment. A plant of Crimson Rambler was attacked by rose black mildew last summer; Kew made an exact microscopic diagnosis for me, so that there was no mistake, and they prescribed a drastic remedy. I preferred to experiment and risk the plant, so I dosed it with $\frac{1}{4}$ per cent. solution of formaldehyde and gave it altogether four dressings. The progress of the disease was apparently instantly checked, and from the moment

of the first thorough doing not another leaf drooped. I have put this plant away in quarantine; I shall watch its future development, and some day shall report. If the treatment fails (but I do not think that is likely) I shall report all the same, for failures are as educative as successes.

As for rose mildew, I waited till a bed of twenty-four plants of one of the newer roses which had previously shown itself prone to mildew had whitened with the disease before I treated it with the formaldehyde as previously described. The first application checked the trouble; the damage already done to the leaves was irremediable, but the plants quickly threw off the influence of the fungus and resumed their healthy growth, while the white powdering left the leaves and was not seen again. But the most noticeable result was shown by a fine shoot of Bardou Job, which when 6 feet high, whitened with mildew. I thereupon started applying formaldehyde. As the new shoot grew on the new part remained absolutely unblemished, not a scintilla of mildew was visible on the new leaves, but instead there was the spectacle of the shoot, as far up as the point to which it had attained when I commenced treatment, blemished with mildew, and the part above perfect.

At this moment I am about to receive some additions to my rosarium, and I propose to make sure that none of the new-comers shall bring with them any more spores of black spot than I can help. Accordingly it is my intention to treat them thoroughly with formaldehyde. Just exactly how I shall proceed I have not yet determined. I shall be guided by circumstances; but at all events, I shall attain my object equally well either by fumigating them in a close chamber with the vapor of formaldehyde, or simply watering them with a one-eighth per cent solution and shutting out the outer air, or by laying them for a day or two under straw moistened with the solution, or by burying them in a trench and watering them with it before turning in the soil.

Hitherto, when referring to formaldehyde, I have been speaking of it simply in a solution for spraying, and that at a strength which cannot hurt the most tender leaflet. But it is possible also by means of heat to vaporize it entirely, so that it can be made to charge the air of a glass house. I do not recommend that this should be done at present, until we have arrived at the necessary data for safety. That is a matter which requires further experimenting. In conclusion, I recommend that everybody interested in this paper should carefully study, if they have not already done so, the most excellent article by George Massee on diseases caused by fungi in "The Enemies of the Rose," and headed "General Remarks," and also the article by Dr. A. H. Williams entitled "Sprays and Sprayers" in the Annual for 1910.

LOS GATOS, CALIF.—A local civic improvement society held a flower show May 9.

MILWAUKEE, WIS. — The Shroeder Floral Co. will build a greenhouse at a cost of \$1,000.

ALLENTOWN, PA.—Chas. F. Berke-meyer has sold his flower shop at 1103 Hamilton street to Marcus De Long, who about a year ago purchased the Ellsworth greenhouses.

OBITUARY.

Henry Guillaume.

Henry Guillaume, for the last 31 years a prominent florist of La Crosse, Wis., died May 28, after an illness of six months from a complication of diseases. He was born in Luxembourg 66 years ago and came to America in 1872. He leaves a widow and three children.

August Kressinger.

August Kressinger, for 25 years a florist of Jersey City, N. J., died of heart failure recently at the home of his mother. He is survived by his mother and two sisters. Mr. Kressinger was well known in the trade and will be missed by a wide circle of friends.

George McMillan.

George McMillan, a florist employed at the Wilcox greenhouses in Council Bluffs, Ia., died May 31 in Omaha, Neb., of apoplexy, brought on, it is thought, by the heat. He had suffered a slight stroke of paralysis a few months before.

Minneapolis Florists' Club.

The Minneapolis Florists' Club held a meeting at Rice Bros.' store, President Desmond in the chair. Twenty-five members were in attendance and all officers were present. After general business had been transacted the following committees made reports:

Theo. Wirth, chairman of the convention association, reported everything proceeding very favorably. Outdoor garden space was being taken up rapidly and the trade who were not taking advantage of this opportunity were missing a good advertising medium. The program was now completed and had been forwarded to Secretary Young. The souvenir album was making exceedingly good headway, and would be a little out of the old plan of a large, unhandy album, being instead of a convenient carrying size. A special concert had been arranged at Lake Harriet for Friday evening with special privileges for the visitors. The executive committee was holding regular meetings and he wished to thank the members for their prompt and active assistance.

John Rovik, baseball committee chairman, made report of the team selected for the convention and the club authorized him to secure suits, get busy and practice, showing the all star team of the S. A. F. that they were going up against the real thing.

The Mother's day committee, Carl Lindskoog, chairman, reported the cost of the advertising to be \$130.00, contributed by the trade, both wholesale and retail, a big success. The large amount of editorial space the papers gave in connection with the advertisement made it very conspicuous and discussion showed that the demand far exceeded the supply from these efforts.

Henry Will presented the club a box of cigars in honor of a 7 $\frac{1}{4}$ -pound boy born June 1. The following motion was made and carried: "Moved and seconded that a vote of thanks be extended Henry Will for his treat and that the junior Will be made an honorary member of the baseball and bowling teams." On motion duly made and seconded the July meeting was dropped and special meetings will be subject to call of the chair.

C. F. RICE, Sec'y.

HOLLAND, MICH.—Alfred Mitting, a local nursery man, has been adjudged bankrupt; liabilities \$10,000; no assets except those which are exempt.

*A Word of Caution.—When the above was proofed, a printer's error, making "an eighth per cent." read "an-eight per cent." solution, has shown me that it is better for ordinary users not to trouble about percentages, lest they be confused, but to keep to spoonfuls in measuring instead. That is to say, one tablespoonful per gallon for the summer strength and two tablespoonfuls per gallon for the winter strength. As those qualities are calculated so as to allow a wide margin of safety, a few drops more or less, one way or another, do not make any material difference.—A. R. W.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,

440 S. Dearborn St., CHICAGO

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THE Department of Agriculture has issued an interesting bulletin on organization and instruction in boy's corn clubs, a form of agricultural extension work which promises well for the future.

Trucking Record.

Cleveland, O.—J. W. Wilson of the Wilson Florist Co. believes he has broken the record for hauling plants, having hauled 4,725 plants in 2-inch to 7-inch pots from Storrs & Harrison's nursery, Painesville, to this city, a distance of 30 miles, in five hours with a modern truck.

Florists' Telegraph Delivery.

During the annual convention of the Society of American Florists, to be held at Minneapolis, Minn., a meeting of the Florists' Telegraph Delivery will be held Wednesday, August 20, at 2:00 p. m.

ALBERT POCHELON, Sec'y.

Personal.

L. Merton Gage, secretary of the American Gladiolus Society, says he will not be a candidate for that office this year.

Yearbook of Agriculture.

We have just received the yearbook of the Department of Agriculture for 1912, containing the usual reports and a number of special articles by the experts of the department. Among the latter we note the following as likely to interest our readers: "Promising New Fruits," by William A. Taylor and H. P. Gould; "Crop Safety on Mountain Slopes," by J. Cecil Alter; "Insects Injurious to the Onion Crop," by F. H. Chittenden; "A Successful Method of Marketing Vegetable Products," by L. C. Corbett; "The Chestnut Bark Disease," by Haven Metcalf; "Some Useful Weather Proverbs," by W. J. Humphreys; "Truck Soils of the Atlantic Coast Region," by Jay H. Bonsteel; "Seed Collection on a Large Scale," by Henry H. Farquhar; "Agriculture in Public High Schools," by Dick J. Crosby; "Some New Grasses for the South," by R. A. Oakley; "Raisins, Figs, and Other Dried Fruits and Their Use," by C. F. Langworthy.

American Sweet Pea Society.

At a meeting of the executive committee Saturday, May 31, the date for the annual summer exhibition and convention decided upon was July 5-6. The Massachusetts Horticultural Society has graciously accorded us the privilege of using its hall, and will also hold its annual exhibition in conjunction with ours. They have arranged a specially attractive schedule amounting to nearly \$500, and the outlook for a fine exhibition is assured. Our society is now completing the schedule. The cash prizes arranged for will amount to \$500 apart from the special prizes in cash, cups, medals, etc., given by individuals.

As no admission is charged at any of our exhibitions, and as our only source of income is from the membership dues, we have to rely upon the generosity of the trade and a few members to subscribe to and guarantee the prize list. The society is doing good work. The Cornell bulletins issued yearly under our auspices contain valuable information and are free to members of the society.

The sweet pea is growing in popularity and is now a source of revenue to the florist practically all the year round. With increased membership we hope to do more and better work. The annual dues are \$2.00 a year; life membership \$25.00. We also specially appeal to the trade for subscriptions toward the exhibition fund, as you all benefit indirectly by these exhibitions, whether in the interest of the sweet pea or other specialized flowers. For further information write to the secretary, Harry A. Bunyard, 342 West Fourteenth street, New York city.

HARRY A. BUNYARD, Sec'y.

New York Spring Flower Show.

MARCH 21-28, 1914.

By request of the joint committees of the Horticultural Society of New York and the New York Florists' Club, the announcement is made that a Spring Flower Show, international in character, will be held by the organizations mentioned, in the New Grand Central Palace, New York, March 21-28, 1914. A meeting of the committees will be held within a few days, at which organization will be effected and a preliminary

schedule drafted, copies of which will be distributed within a week or two. A guarantee fund has been started locally and already amounts to \$2,300, and several special prizes have been offered. A horticultural trade exhibition will be held in connection with the show. The undersigned has been appointed manager of the trade exhibition, and will be pleased to make reservations of space and furnish any information required. He has also been entrusted with the preparation and publication of the official program of the show, and will be pleased to quote advertising rates and book contracts for advertisements at any time. Meeting the wishes of the exhibitors at the recent show, the display will be confined to two floors, and all music, entertainment and business features will at the next show be relegated to the second floor.

JOHN YOUNG, Sec'y.

Minneapolis Sports.

The final programme for the twenty-ninth annual convention of the Society of American Florists has been worked out and will soon be in the hands of the members of the society. It has been decided that the convention sports shall be so arranged as not to interfere with the main purpose of the annual meetings, convention business. To make this possible one day has been added to the convention and it is our aim to make this, the fifth day of our gathering, a day of genuine pleasure to all of our guests. This outing will be held at one of the most picturesque spots of Lake Minnetonka and the programme will be such as to meet the tastes, desires and ambitions of all.

The programme has been approved by Chairman C. E. Critchell, of the national sports committee, and with his consent our committee has been authorized and requested to secure the necessary prizes for the different contests. All those that are favorably inclined towards these games and sports are cordially invited to assist in carrying out the programme, both in furnishing and winning the prizes offered. It has been customary to ask interested firms and individuals in all parts of the country to donate such prizes or contribute to the funds for their purchase. Your co-operation would be greatly appreciated, but you will be heartily welcome to our city and outing whether you aid us or not.

C. N. RUEDLINGER, Chairman.

Meetings Next Week.

Boston, Mass., June 17.—Gardeners and Florists' Club of Boston, Horticultural Hall.

Detroit, Mich., June 16, 8 p. m.—Detroit Florists' Club, 247 Randolph street.

Grand Rapids, Mich., June 16.—Grand Rapids Florists and Gardeners' Club, Edward Freyling, secretary., 891 wealthy avenue.

Montreal, Que., June 16, 7:45 p. m.—Montreal Gardeners and Florists' Club, Royal Guardians' building, 224 Sherbrook street west.

New Orleans, La., June 19, 8 p. m.—New Orleans Horticultural Society, Kolb's hall, 127 St. Charles avenue.

Newport, R. I., June 18.—Newport Horticultural Society, P. F. Reynolds, secretary, Ruggles avenue.

Providence, R. I., June 16, 8 p. m.—Florists and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, June 17.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.

Seattle, Wash., June 17.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

Toronto, Ont., June 17, 8 p. m.—Toronto Gardeners and Florists' Association, St. George's Hall, Elm street.

St. Louis, Mo., June 16.—Retail Florists' Association, Hotel Washington.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—On commercial or private place by young man, aged 22, seven years experience in general greenhouse work. Private preferred. Key 828, care American Florist.

Situation Wanted—As a working foreman; married, strictly sober and a good grower of cut flowers and potted plants; good designer and hustler. Key 827, care American Florist.

Situation Wanted—As saleslady and designer in a Chicago retail store. State salary and hours when writing. Address Key 834, care American Florist.

Situation Wanted—Man fully experienced in all lines of outdoor and indoor gardening is open to engagement where high grade gardener is needed. Address. Key 835, care American Florist.

Situation Wanted—By Gardener, on commercial or private place; 12 years experience in growing all kinds of cut flowers, plants under glass, vegetables, care of lawns. Age 26. Address. Key 852, care American Florist.

Situation Wanted—By Englishman, 14 years experience in all branches, seven in America. Well versed in orchids, roses, fruit culture under glass, and all kinds of cut flowers, lawns, etc. Age, 29. Key 833, care American Florist.

Situation Wanted—In private place, 18 years experience in flowers, vegetables, care of lawns, well up in all branches. Can speak English, German and Swedish; age 32 years. Married, no children. Address. Key 851, care American Florist.

Situation Wanted—Young business man of refinement who has failed in his own business, wishes to meet widow who owns large store. Desires position as designer of floral pieces for funerals. 30 years old. Address. Key 850, care American Florist.

Situation Wanted—By gardener; Scotch; as head in private place; experienced in all branches of gardening, inside and out. Over 20 years in large establishments growing all kinds of greenhouse plants and vegetables. Also care of lawns and landscape work. Age 37; married; no family. ARCH LITTLEJOHN, 39 Temple St., Somerville, Mass.

Help Wanted—Two good American Beauty growers; state wages. Address. Key 853, care American Florist.

Help Wanted—Young lady, experienced, in flower store. Good wages. Phone—Belmont 3345.—PEHLKE.

Help Wanted—Young man, experienced in retail florist store. Polish or Bohemian speaking. PEOPLE'S FLORIST, 1736 West 47th street, Chicago.

Help Wanted—Boys and young men to help in and around greenhouses. Also men who have had some experience in tea roses. POEHLMANN BROS. CO., Morton Grove, Ill.

Help Wanted—A good plant man, must understand the growing of all kinds of pot plants; good reference necessary. Address. Key 845, care American Florist.

Help Wanted—A Rose Grower, \$75.00 per month. Married man preferred. HESS & SWOBODA, 1415 Farnum St., Omana, Neb.

Help Wanted—Gardener, man with experience and ability to manage my twenty acre country estate. References required. Address. THEO. F. THIENE, Fort Wayne, Indiana.

Help Wanted—Two bright young men—Carnation Growers—who have had charge of growing sections. State wages, etc. Address. Key 832, care American Florist.

Help Wanted—Experienced saleslady for Chicago retail store. One who has a little knowledge of bookkeeping preferred. Address Key 842, care American Florist.

Help Wanted—A good Chrysanthemum grower and Plantsman; single preferred. Good wages and steady position if he makes good. METAIRIE RIDGE NURSERY CO., Ltd., New Orleans, La.

Help Wanted Florist to take charge of greenhouses, propagating and bedding out of plants in the Topeka City Parks under the superintendent. A man of middle age who received his training in Germany or other parts of Europe preferred. Salary \$65.00 per month. Apply to E. F. A. REINISCH, Supt. of Parks, Topeka, Kans.

For Rent—Good paying florist store; greenhouse in connection. Address. ED. PALMER, 3435 W. Chicago av., Chicago, Ill.

For Sale—Several ice-boxes at a reasonable figure. Address Key 838, care American Florist.

For Sale—3 houses about 7,500 feet of glass; 4 acres; dwelling and barn; 20 miles from New York City; 2 minutes to station. Address. CHAS. MILLANG, 55 W. 20th st., New York.

For Sale—1 Morehead Return Steam Trap and Receiver, almost new, \$45.00. JOS. MILLIGAN & SON, Florists, 1044 Clydesdale Ave., Salt Lake City, Utah.

For Sale—Good paying retail store in Chicago. Fine location. Other business to look after reason for selling. For further particulars address Key 837, care American Florist.

For Sale—Cheap, a first-class refrigerator, small delivery wagon and several store mirrors. A bargain. Act quick. JOHN CANGER, 17 E. Monroe St., Chicago.

For Sale Cheap—Two horizontal return tubular boilers, one 50 h. p., one 40 h. p., suitable for greenhouse or heating plant. Write for full description and price. W. H. BARRETT, Adrian, Mich.

For Sale—Dandy second hand ice-box for \$175 just the box for an up to date Chicago retail store. Biggest offer ever made, so get busy and answer this Ad now. Key 839, care American Florist.

For Sale—Old established retail florist business on a leading avenue of New York City. Good reasons for selling. Terms reasonable. A. F. F., care American Florist, 124 E. 24th Street, New York.

For Sale Cheap—To be removed by Oct. 1st. Between 5,000 and 6,000 feet of glass; about 2,000 feet 4-in. cast iron pipe; two nearly new sectional boilers; water-piping; windmill; 100 bbl. tank and other property, including stock. Near Chicago. Good chance for party building a moderate plant to pick up a lot of material cheap. Key 844, care American Florist.

For Sale—Here is an opportunity in the "Far West" where there is no hay fever, floods or cyclones; A well established and paying floral business, in a city of 12,500, controlling the select trade of the city and surrounding country, with another store 80 miles away in a town of 4500, which is the only store in the town. The plant consists of two stores, three greenhouses 16x125 each, one lean-to 9x125 (all attached), hotbeds and cash, 35 H. P. T. boiler, four room dwelling, large boiler room and potting shed, complete pumping plant, automobile, 3 3-10 acres land; everything first class and in first-class condition. We need more than we can produce. This is an opportunity to get into the business in a new and fast growing country. Books are open for inspection. Reasons for selling will be given. Address. Key 840, care American Florist.

Position Wanted.

By a reliable, honest, steady, strictly sober, single young man; 30 years experience in horticulture; first class propagator of nursery stock, geraniums, greenhouse palms, trees, vegetables, etc.; speaks four languages; can take charge; \$18.00 per week.

Key 846, care American Florist

HELP WANTED.

GOOD GROWER

For Commercial Greenhouse in Cleveland. Must have references. Will pay good wages.

Key 847, American Florist.

WANTED

A Carnation Grower for large modern range near New York City; must be able to produce flowers of the very highest quality; have ability to handle a staff of men and run the place in an up-to-date manner. Salary is one of the largest in the east and the place offers exceptional opportunities for the right man. Applicants must furnish the best of references which will be treated confidentially. Interview can be arranged if necessary. Address,

Key 848, care American Florist.

SALESMEN WANTED.

Two good openings for aggressive men open for engagement July first. State fully, experience and salary wanted. Application will be kept strictly confidential. Northrup, King & Co., Seedsmen, Minneapolis, Minn.

Offer Them Now

ALL SPECIALTIES

For Cemetery Use
All Bedding Plants
Window Box Stock
Plants for Vases

WHILE DEMAND IS STRONG

ANNOUNCEMENT.

In answer to numerous enquiries

THE NEW CARNATION

“GORGEOUS”

Will be grown, and disseminated simultaneously during **SEASON 1913-14.**

PACIFIC STATES—By MARTIN & FORBES, Portland, Oregon.

EASTERN STATES—By H. M. WEISS & SONS, Hatboro, Penna. PETER FISHER, Ellis, Mass.

Send for descriptive circular and price list, to any of the above firms and

Book Orders NOW to insure **EARLY** and **PROMPT DELIVERY.**

Pittsburg.

MARKET IN BAD SHAPE.

Although the weather has turned much cooler the market is still glutted. The sales on flowers of all kinds are very poor, and the June weddings are all that keep business alive. Street fakirs are out in full force and always clean up the left-overs on Saturdays. Carnations, roses and lilies are the most plentiful, while peonies are about normal. The quality of most of these flowers has been fine and they sell very readily. Lily of the valley has been very scarce of late. American Beauty roses are here in quantity and the quality is fine, but tea roses have not been so good of late. Lilies are not moving at all. Some cultivated water lilies are coming in, but such stock does not take well when other flowers are so cheap. Gladiolus America and other varieties are proving more popular every day, and take very well. Sweet peas are getting worse every day and it is hard to get good stock any more. Yellow and white daisies are also getting poor, and are thrown away by the thousands. The supply of green goods is overloading the market. All the early outside flowers are in, such as mountain laurel, cornflower, etc.

CLUB MEETING.

The last meeting of the Pittsburg Florists & Gardeners' Club was held in the Fort Pitt hotel, Tuesday, June 3. John James gave a talk on bedding plants in use by the public gardeners of this city, naming some of the plants which were most suitable. James Wiseman spoke of some of the plants used by the private gardeners. "Bedding plants most salable in Pittsburg" was Paul Randolph's subject. Robert Lilley talked on hardy garden plants. C. H. Semple spoke on hardy plants used by the landscape gardeners. The big attraction of the evening was the lecture and lantern slides given by a florist of the Kew gardens, showing the many flower gardens of Berlin and views of the wild flower regions in the Alps Mountains. Among the exhibitions were some fine hydrangeas and cut sweet peas from P. S. Randolph & Sons, Verona. John Jones brought out some fine novelty coleus. Neil McCallum and C. H. Semple brought nice collections of outside novelties and roses, which attracted much attention, being well displayed by the exhibitors. It was moved that a committee be appointed to encourage more public gardens in Pittsburg, as our showing is so small compared with other cities of the same size. There

were about 45 present, and all were well pleased with the evening.

NOTES.

Jas. Kroell, the designer for A. W. Smith & Co., has left that firm and now is with Fred Reigelmier of the south side. Mr. Reigelmier has recently taken over the business of the American Floral Co.

Galaher & Franks, the Arcade Florists, have made a few improvements since they have been in their new place, adding a fine new display case.

Randolph & McClements of East Liberty are showing some very nice mixed baskets, featuring yellow calceolarias.

The death of a prominent citizen of Washington, Pa., kept many of our leading florists busy with large orders.

E. P. Hostetter of Manheim is consigning some fine inside gladioli to the McCallum Co.

Mrs. E. A. Williams is cutting some fine late iris at the greenhouses in Knoxville.

Wm. Q. Potter and wife of Cleveland, O., are visiting in this city this week.

The Pittsburg Cut Flower Co. is running heavy on roses.

Visitors: H. C. Frew, Rochester, Pa.; J. F. Kennedall, Tarentum; Jos. Thomas, Greensburg; W. Q. Potter, Cleveland, O. J.

Cincinnati.

HEAVY DEMAND OVER.

Last week was the last week for an extraordinary seasonable demand. All of the larger commencement exercises are now over and all that remains are the usual number of June weddings and a few smaller commencements. The call was principally for choice stock. The smaller stock was used only to help out and that at buyers' prices. The better stock yielded only a fair return because the supply was abnormally large for the particular time of the year. In roses the varieties that have been the standard for the season since the cool weather set in are rapidly taking second place. The summer roses, such as My Maryland, Taft and Kaiserin, are the leaders. Very good Killarney and Richmond are, however, coming into the wholesale houses. The American Beauty supply is good and easily sufficient. Carnations are coming in so strong that the demand does not nearly take them up except at loss or sacrifice prices. Lilies are in good supply but are moving slowly. More sweet peas might have been used. Gladioli are in limited supply and enjoy only a

fair market. It seems to be a little early for them and the buyers are not taking to them as a novelty. The call for lily of the valley is very changeable. On some days it is so large that the supply runs short, while on others it hardly sells at all. Peonies can be had at strictly buyers' prices. The green goods supply is more than sufficient for the demand.

CLUB MEETING.

The Florists' Club held its regular meeting on Monday night, Chas. Hoffmeister, A. C. Heckman, Jr., and R. C. Witterstaetter were appointed an outgoing committee by President Gus Adrian. The committee was instructed to arrange for the outing at Coney Island on the usual day in July. The following were nominated as candidates for the election to be held at the next meeting: For president—A. C. Heckman, Jr., and Jas. Allan; for vice-president—Ed. Schumann and J. Chas. Murphy; for secretary—Alex Ostendarp and Otto Hoffmeister; for treasurer—Albert Sunderbruch and Chas. H. Hoffmeister; for trustee—Gus Adrian and Henry Schwartz. The candidates for secretary and treasurer are actively campaigning in each other's behalf.

NOTES.

C. E. Critchell has received notice of his appointment to the vice-presidency of the S. A. F. for south Ohio.

P. J. Olinger and wife are entertaining Mr. Olinger's home folks from Aurora, Ill.

Visitors: Norval Kiger and wife, Marietta; A. W. Brandt, Indianapolis, Ind.; Chas. Dudley, Parkersburg, W. Va.; G. A. Beekman and wife, Middleton; — Leedle, Springfield; Fred Lemon, Richmond, Ind.; H. Staley, Vanceburg, Ky.; H. H. Harris, St. Louis, Mo. H.

Cleveland.

OVERSUPPLY OF STOCK.

The first glut of the year, both in carnations and roses, is now on. Regular channels of outlet are inadequate to move the enormous quantities now arriving, and stock sold in quantity is going at very low figures. The street fakir is reaping his harvest. Local peonies also are now in good supply, including Festiva Maxima, Rubra Superba and the other varieties, all of which can be seen to the best advantage at the peony show at Gray's Armory, June 12-14. Lily of the valley has been short of the demand, but at present writing is again in good supply. Orchids (Cattleya Mossiae) of enormous size, are arriving. Easter

SATISFACTION PLANTS

READY FOR SHIPMENT

ROSES.

Milady and Mrs. Geo. Shawyer, Grafted—\$30.00 per 100; \$250.00 per 1000.

Mrs. Chas. Russell, Grafted—\$35.00 per 100; \$300.00 per 1000.

Mrs. Taft. Mrs. Aaron Ward, Richmond, Killarney, Lady Hillingdon, Radiance, Bon Silene, Bride, Golden Gate, Grafted—\$15.00 per 100; \$120.00 per 1000; My Maryland. Special prices on large quantities.

FOR IMMEDIATE SHIPMENT.

A special offer of Roses on their own roots in lots of 500 or more. Mrs. Taft, Richmond, Killarney, White Killarney, 500 for \$20.00; 1000 for \$37.50.

GARDENIA VEITCHII.

From 2½-inch pots, \$7.00 per 100; \$60.00 per 1000. From 3-inch pots, \$12.00 per 100; \$100.00 per 1000.

POINSETTIAS.

June and July delivery. \$7.00 per 100; \$60.00 per 1000.

CHRYSANTHEMUMS

Special for June. Unaka, Chrysolora and Chas. Razer. Rooted cuttings. \$3.00 per 100, \$20.00 per 1000. We expect to ship 150,000 'mums in June. How many do you need?

A. N. PIERSON, Inc., - Cromwell, Conn.

Lilies are very plentiful with only a fair demand. All stock is moving nicely, but prices have dropped to a very low figure, especially on the cheaper and shorter stock. Good long stemmed roses, American Beauty and Killarney My Maryland and Richmond are bringing fair prices, as are the best grades of sweet peas, etc.

NOTES.

The Clifton Club has worn many gala dresses, but none more becoming than Monday evening when Miss Katherine Bartels was wedded to James Winton. The Presbyterian service was impressive. The decorations consisted of Easter lilies, roses, rambler roses, and southern smilax. Many who are well known to the florists' trade were present, including: Mrs. J. M. Gasser, who is an aunt of the bride, J. C. Pettie and wife, F. C. Bartels and wife, parents of the bride. Miss Bartels carried a shower bouquet of lily of the valley and white orchids. Mr. Bartels has a range of greenhouses at North Olmstead and is very well known as a carnation grower. The groom is the son of Alexander Winton of the Winton Motor Co. of this city.

Henry Taylor, whose range of houses is on East One Hundred and Sixteenth street, nearly burned out his place Monday, June 2, when painters at work in the house became careless and in burning off the paint, held the torch through a hole in the shingles and set fire to the place. Firemen extinguished the flames which had gained considerable headway, owing to the nature of the fire.

Commencement exercises at the different high and academic schools the past week used up large quantities of the best there was in roses and peonies.

Tom Stevens, formerly with Carl Gerdum of Lakewood, is now working for the J. M. Gasser Co., at Rocky River. C. F. B.

St. Louis.

OUTDOOR STOCK SCARCE.

During the past week weddings and graduating exercises, together with a large number of funerals, have kept the florists busy. At the wholesale houses flowers have been quite plentiful. Sweet peas have been abundant and in many cases of poor quality. Outdoor flowers in many instances are scarce on account of the dry weather. This is especially true of field daisies. Ferns are scarce. Hardy ferns on account of the dry weather are not as plentiful as in former years. Some extra fine jasmines are still on the market. Carnations and roses are in fair supply.

NOTES.

Several large orders for flowers were given to the Mullanphy Flower Co. and the Bentzen Floral Co. for the funeral of Chris Von der Ahe, former president of the local American League baseball team.

The Windler Wholesale Floral Co. has increased its business wonderfully. Not a year in business and their trade reaches everywhere. Frank Windler and Al Gumz, the proprietors, are hustlers.

Wm. C. Smith Wholesale Floral Co. had a big supply of everything the past week. Their automobile delivery service has been running at all times during the day.

C. A. Kuehn has his counters well filled with corn flower, lily of the valley and some extra fancy carnations at reasonable prices.

George Wagner, formerly with Grim

& Gorly, is now with O'Leary, the Florist. This firm is very busy with wedding orders.

Ostertag Bros. report business during the past week as good. A fine stock of general retail supplies are always seen here.

The next meeting of the St. Louis Florists' Club will take place Thursday, June 12, at Shaw's Garden.

The Riessen Floral Co. supplied several hundred American Beauty roses for the electrical convention.

M. M. Ayres have a fine supply of first class stock. This house does an immense trade.

The wholesale houses close at 5 p. m. Saturday and at noon Sunday, beginning June 14.

H. G. Berning had some especially fine cape jasmines during the past week.

Max Rotter reports trade as good. His son is a daily visitor to the market.

The Growers' Club will meet Wednesday, June 11.

Ed. Kalish of Kalish Bros. reports trade as good.

Arthur Ellison is a daily visitor to the market. W. F.

MINNEAPOLIS, MINN.—A burglar entered the store of the Whitted Floral Co. recently but failed to open the cash register, and departed empty handed.

RENO, NEB.—T. A. Ross et al. are suing Fred J. Fisher et al. for alleged breach of contract in that the defendant is said to have engaged in the florist business contrary to agreement.

LITTLE ROCK, ARK.—The business heretofore carried on under the style and title of Vestal's, Paul M. Palez, manager, will be conducted under the name of Mr. Palez hereafter.

Beauties-Roses

Yellow Roses Our Specialty

Carnations--Easter Lilies

Now in Crop with Us. Carnations and our assortment of Roses in lots of 500 or more at the rate of \$15.00 per 1000.

Buy Direct From the Growers.

BASSETT & WASHBURN

**LONG DISTANCE PHONES,
CENTRAL 1457.
AUTO., 47-314.**

**OFFICE AND SALESROOM,
131 N. Wabash Ave., CHICAGO, ILL.**

Chicago.

TRADE SHOWS SLIGHT IMPROVEMENT.

There is still plenty of stock of all kinds on the market but trade is a trifle better since the last writing although the prices in general remain practically unchanged. American Beauty roses are moving more freely at advanced prices but there is still plenty of good flowers to go around. The supply of other roses is very large with the exception of Sunburst which are in good demand. Good white roses have been moving well but in some instances are being sold in large lots like the other colored varieties at bargain prices. Carnations are in oversupply everywhere, and like the roses are being sold at extremely low prices in large quantities. Many of the large department stores are featuring carnations in their windows this week, and placards bearing the words special sale on roses and carnations are seen prominently displayed in the windows of the more progressive retail stores. Peonies are arriving in quantity but the better grades still command good prices although much inferior stock is being sold very cheap. Good lily of the valley is none too plentiful and some of the dealers are experiencing trouble in filling their orders. Sweet peas are obtainable at cheap prices and the same can be said of almost all the other miscellaneous stock. Ferns have taken a drop since the new stock has arrived and prices are now considerably lower. Trade was a little better the past several days, more so than was expected considering the changeable weather and the prevailing glut. The market on Wednesday noon was practically unchanged, there being the usual supply of the past week seen everywhere.

NOTES.

Poehlmann Bros. Co. has been disposing of a large quantity of stock the past week and has had a good run on American Beauty roses. Otto W. Frese says that medium and long white roses were also in great demand this week at this store. John Poehlmann escorted his friend, Paul M. Palez of Little Rock, Ark., through his firm's large range at Morton Grove on June 10.

Miss K. N. Cooper of the Auburndale Goldfish Co. has returned from a pleasant fishing trip in Michigan. She succeeded in landing a four pound bass but was disappointed because she had to throw it back in the lake owing to the closed season. Her firm has just received a shipment of medium sized fish and expects another to follow soon.

Peter Reinberg had a good run on American Beauty roses this week which cleaned the stock up pretty well. Tim Matchen entertained the store force at his home on June 8, after which they all enjoyed a ride in Mr. Reinberg's automobile. As usual, the boys were shown a good time by Mr. Matchen.

W. H. Beaumont, of the O. J. Friedman force, has been on the sick list for some time but is expected back to work soon. Thos. Fogarty and Wm. Graff have been obliged to work over time on account of the large amount of funeral work that they had during Mr. Beaumont's absence.

The North Shore Floral Co. is giving a free ticket to the "movies" with every sale that it makes. B. J. Schmierer, one of the proprietors, says that he was surprised to find how well this plan increased his sales.

Mangel, the Palmer House Florist, arranged the decorations for several

U S Budlong's E Blue Ribbon Valley.

large weddings at the Blackstone hotel the past week, which called for a large supply of flowers. Mr. Mangel also has a store in this hotel, where J. G. Lambrose presides.

Wm. F. Schofield, the North State street florist, says that last Saturday was the best day that he has had for some time and attributes this to an unusually large number of funeral orders.

Miss E. Heskett of Vaughan's Seed Store and Miss Helen Rudd will sail for Paris on the Hamburg-American Line S. S. Graf Waldersee, from Philadelphia, June 11.

The Cook County Florists' Association will meet at the Tavern, West Washington street, next Thursday, June 19, when a supper will be served and the bowling prizes distributed.

Zech & Mann, Weiland & Risch and the Batavia Greenhouse Co. have had their firm names painted in the hallway of their Randolph street entrances.

F. F. Scheel of Shermerville is adding two new houses to his carnation range. The John C. Moninger Co. is furnishing the materials.

The remainder of the E. H. Hunt stock of supplies is now being disposed of in large lots to the ready buyers.

Chas. W. McKellar placed a large number of peonies in cold storage this week.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

Weddings and Graduation Exercises

Orchids

Gigas, Gaskelliana, Mossiae are now blooming in large quantity. Let us quote you on large quantities for Table Decorations and for Weddings.

Valley

We have a large supply ready to fill orders on short notice. We grow this in very large quantity.

Use the Best; Poehlmann's is superior.

Roses

We will have our usual large supply of short and medium length Roses. These grades are most desirable for all occasions.

Carnations

Mammoth supply of fancy stock in all the best standard varieties. Write for special prices on large quantities.

Sweet Peas

We will have ample supply of the Spencer or Butterfly varieties, also the common varieties.

Peonies

We will have thousands for Commencements, most valuable flower for this purpose. Our stock is first-class.

Easter Lilies

The valuable Lily we grow in large quantity. It is very popular for Decorations and Weddings.

Am. Beauties

Our extra long are in good supply and are extra fine quality; can fill all orders.

Adiantum, Smilax, Sprengeri, Asparagus, New Ferns

SUPPLY DEPARTMENT

E. H. HUNT'S Entire force of Wire
Workers are now with **POEHLMANN'S**

Which places us in the foremost ranks to handle and execute large orders promptly and make up special work on short notice.

—BASKETS—

For Commencements and Weddings.

Also Tumbler Baskets and Plateaux.

Price—right stock, new assortment selected for your approval, \$5.00 and up.

American Oak Sprays, per pound, 30 cents. **Special Sale of Three Stripe Chiffon**, the very best quality, 4-inch, 2½ cents; 6-inch, 3½ cents; 10-inch, 6½ cents.

30 PER CENT DISCOUNT ON WIRE GOODS THIS WEEK ONLY.

Cape Flowers, Ruscus, Magnolia Leaves, Wheat Sheaves.

Cut flower boxes, Corrugated Boxes and Oak Wreaths for Memorial Day.

A trial order will convince you that we can deliver the goods.

SPECIAL ON CAR

Best Quality Blooms--\$10.00

ALSO SPECIAL ON

Killarney, White Killarney, My Maryland and Richmond,

Write, Wire or Phone in Your Order as

American Beauties

Per Dozen.	Per Dozen.
60-inch stems \$3.00	24-inch stems \$1.50
48-inch stems 2.50	15-inch stems 1.25
36-inch stems 2.25	12-inch stems 1.00
30-inch stems 2.00	

Killarney

	Per 100
Extra special.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Richmond

	Per 100
Extra special.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

My Maryland

	Per 100
Extra special.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

WIETOR B

TELEPHONE, L. D.
RANDOLPH 2081

162 North Wabash

L SALE NATIONS

0 per 1000--All Varieties.

OFFER ON ROSES

\$30.00 per 1000. In lots of 200 or more \$4.00 per 100.

Soon as You See This Ad. DO IT NOW.

White Killarney

	Per 100
Extra special.....	\$7.00
Special.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Sunburst

	Per 100
Extra special.....	\$10.00
Fancy.....	8.00
Good.....	6.00

Carnations

	Per 100
Special.....	\$2.50
Good.....	\$1.50 to 2.00
Harrisii.....	\$12.00 to 15.00
Ferns.....	per 1000 3.00
Ferns, New.....	" 2.00
Smilax.....	per doz. 2.00 to 2.50
Adiantum.....	per 100 1.00
Galax.....	per 1000 1.00
Sprengeri.....	per bunch .50
Asparagus sprays, per bunch	.50

ROSES, Our Selection, - \$3.00 per 100.

BROTHERS,

Avenue, CHICAGO.

TELEPHONE LOCAL
AUTOMATIC 49-929

PERCY JONES

H. VAN GELDER, Pres.

Inc.

L. M. JONES, Secy.

WHOLESALE COMMISSION FLORISTS.

BIGGEST RIBBON OFFER —EVER MADE—

Study Prices Below Carefully. You Will Never Again Have an Opportunity to Buy First-Class Ribbons At Such Low Prices. We have just received a shipment of new Ribbons, 10-yard Bolts, any color, and guarantee each bolt to be perfect. If any bolt is not entirely to your satisfaction when you receive it we will be glad to have you return same upon receipt and we will pay express charges and ask no questions. Merely say you cannot use it.

3% off for Cash.

	No. 333	No. 666	"Van Brand"
	Plain Taffeta	Medium Satin Taffeta	Our Best Satin Taffeta
No. 5.....	\$0.20	\$0.25	\$0.35
No. 7.....	.25	.30	.45
No. 9.....	.35	.40	.55
No. 12.....	.40	.45	.70
No. 16.....	.50	.55	.80
No. 22.....	.60	.65	1.00
No. 40.....	.70	.80	1.15
No. 60.....	.75	.85	1.30
No. 80.....	.85	1.00	1.50
No. 100.....	.95	1.10	1.65
No. 120.....		1.30	1.75
No. 150.....		1.35	1.95

Prices will last this week only, or until we are sold out of this shipment.
If you buy supplies without getting our prices, you lose money.

56 East Randolph St., CHICAGO.

The Chicago Flower Growers' Association is showing a fine line of stock including local grown peonies, roses and carnations. Michael Fink says trade is as good as can be expected considering the present market conditions but looks for better days soon.

Paul M. Palez, the well-known florist of Little Rock, Ark., is transacting business here this week, but expects to leave soon for Philadelphia, Pa. The alderman is as cheerful as ever and as usual is having an enjoyable time with his many friends here.

Bruno Bandel representing G. Bandel & Co., of Como, Italy, bulb growers and dealers in cypas, cape flowers, etc., was a visitor this week. His firm intends to open a branch in New York City for the preparation of artificial plants, etc.

A. L. Vaughan, who has been suffering considerably with rheumatism of late, is feeling much better now and has again taken active charge at A. L. Vaughan & Co.'s store.

D. E. Freres has moved into the store formerly occupied by Zech & Mann and will now be pleased to meet his old friends and customers in his new quarters.

A. L. Glaser, of Dubuque, Ia., placed an order while he was in the city this week with Kroeschell Bros. Co. for another large boiler to heat his entire plant.

Percy Jones is having a special sale on ribbons this week, which will continue until the large shipment that has just been received is disposed of.

Peter Weiler, of the Superior Machine & Boiler Works, moved into his new home at Park Ridge this week.

N. N. Kline, with the Flower Shop, Hutchinson, Kansas, transacted business here this week.

For June Weddings

Peonies, Roses, Carnations, Sweet Peas, Gladioli, and all the seasonable stock in quantity.

Write for Special Prices on Large Lots.

J. B. Deamud Co.

160 N. Wabash Ave., CHICAGO.

Dominick E. Freres

WHOLESALE FLORIST

Roses, Carnations and all other seasonable cut flowers and Greens. Fine fresh stock obtainable at all times at lowest market prices. Give me a trial order.

162 N. Wabash Avenue, CHICAGO

Sam Pearce's new range is well under way and it is expected that the houses will be completed soon. The steel frame for the boiler room is at-



ready up and work is now being started on the roof.

Mrs. F. Williams, of the Atlas Floral Co., is the proud possessor of a \$3,100 Ohio electric car.

AMERICAN BEAUTIES

Now cutting heavily in young stock running mostly in short-stemmed flowers. Big value for the money. TRY SOME.

Roses and Carnations

Tremendous supply of both. Good fresh stock that will ship safely within a reasonable distance. Our short roses at \$3.00 per 100 and our medium roses at \$4.00 to \$5.00 per 100 are good bargains and it will be worth your while to order a sample shipment of this stock. **Do it Today. Now.**

Current Price List

AMERICAN BEAUTIES		Per doz.			Per 100
Extra long stems		\$4 00	Mrs. Aaron Ward	Medium	\$8 00
36 inch stems		3 00		Short	\$1 00 to 6 00
30 inch stems		2 00	Roses, in 1000 lots, short to medium,		
24 inch stems		1 50	\$20.00 per 1000. Good value.		
20 inch stems		1 25	Carnations, all good	1 50 to 2 00	
15 inch stems		1 00	Carnations, fancy	2 50	
12 inch stems		\$6 00 per 100	Harrisil	per doz. \$1 50 to \$2 00	
Short Beauties		4 00 per 100	Valley	3 00 to 4 00	
Richmond			Sweet Peas	75 to 1 25	
Killarney	Per 100		Smilax	per doz. \$2 00	
White Killarney	Select	\$6 00 to 8 00	Peonies	4 00 to 6 00	
My Maryland	Medium	4 00 to 5 00	Adiantum	1 00	
	Short	3 00	Asparagus, per bunch	50c	
			Ferns, per 1,000	\$3 00	

2,000,000 Feet of Modern Glass

PETER REINBERG

30 E. Randolph St., L. D. PHONE CENTRAL 2846 Chicago

Beauties-Roses-Peonies

Sweet Peas--Orchids--Valley--Gladioli and all other seasonable stock in quantity. If you want the best that this market affords at the most reasonable prices, this is the place to send your orders.

A. L. VAUGHAN & CO.,

161 N. Wabash Ave.,

(NOT INC.)

TELEPHONES: { Central 2571
" 2572
Auto. 48-734

CHICAGO

Wietor Bros. are cutting a large quantity of roses and carnations and are now having special sales on both. American Beauty roses are also seen in large supply at this store but the demand for them is quite good and the stock cleans up fairly well each day. N. J. Wietor says that planting

at the greenhouses is pretty well advanced.

C. L. Washburn, of Bassett & Washburn, sold E. B. Washburn's home in Hinsdale this week. E. B. Washburn is a son of the well-known local wholesale dealer and is now residing at Pasadena, Calif.

H. Munson shipped a carload of roses to Frank Felke's new range at Gross Point this week.

G. E. Schuman, of Ardmore, Oklahoma, is in the city on business this week.

Mrs. John T. Muir and family returned from California on June 9.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

In Quantity:

PEONIES
ROSES
Carnations
Sweet Peas

And everything else seasonable
in Cut Flowers and Greens.

Current Price List. Subject to change without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$2.00	1.50
Killarney.....per 100	8.00	6.00	5.00	4.00	3.00
White Killarney.....	8.00	6.00	5.00	4.00	3.00
My Maryland.....	8.00	6.00	5.00	4.00	3.00
Richmonds.....	8.00	6.00	5.00	4.00	3.00
Mrs. Aaron Ward.....	8.00	6.00	5.00		
Sunburst.....	8.00	6.00	5.00		
Carnations.....	3.00	2.00	1.50		
Lily of the Valley.....	4.00	3.00			
Peonies.....	6.00	5.00	4.00		
Sweet Peas.....	1.50	1.00	.75		
Easter Lilies.....	12.50	10.00			
Daisies.....	1.50	1.00			
Asparagus Plumosus Sprays..	4.00	3.00	2.00		
Asparagus Sprenger Sprays..	3.00	2.00			
Smilax.....	16.00	12.50			
Galax, Green and Bronze.....per 1000	1.00				
Ferns.....	3.00	2.50			
Boxwood.....bunch	.25				
Adiantum.....per 100	1.00	.75			

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street,

L. D. Phone, Randolph 6578

CHICAGO, ILL.

John Lenik, an employe of Poehlmann Bros. & Co., at Morton Grove, was killed by his own invention on June 5. Mr. Lenik had invented an electric soil mixing machine which would do the work of ten gardeners. Last Thursday he charged it and with five laborers began to move it across a field. Forgetting for a moment that the machine was "loaded" Mr. Lenik placed his hand on it and was instantly electrocuted.

Bedding stock in this vicinity has suffered severely from the recent cold weather especially begonias, coleus and alternantheras. The development of cannas, peonies and other hardier plants has been retarded considerably while tomatoes and other tender vegetables look quite sick.

The Horticultural Society's peony show takes place this week at the Art Institute, Friday and Saturday, June 12-13.

Visitors: A. L. Glaser, Dubuque, Ia.; Paul M. Palez, Little Rock, Ark.; N. N. Kline, with the Flower Shop, Hutchinson, Kansas; John Fox, Philadelphia, Pa.; W. A. Rieman, Vincennes, Ind.

Chicago Florists' Club.

The regular meeting of the Chicago Florists' Club was held at the Union Restaurant, June 5, President French

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

in the chair. Two new members were elected, viz., W. W. Harris, 140 South Dearborn street, and Clark T. Roberts, 140 South Dearborn street. Chairman Waters of the good-of-the-club committee reported in favor of a lake trip for the picnic in August. Arrangements were left with his committee. The Kennicott Bros. Co. made an exhibit of Festiva Maxima peonies, fine blooms. The tornado relief committee made an exhaustive report showing much excellent work. Among the names of those offering this committee stock, some of which has already been delivered to the sufferers, the following were noted: W. W. Barnard & Co., Detroit Flower Pot Mfy., Hugo Kind, Klehm's Nurseries, John C. Moninger Co., Poehlmann Bros. Co., James Prenicka, J. D. Thompson Carnation Co., Vaughan's Greenhouses, Wendland & Keimel, Otto Wittbold and John J. Wolniewicz. Others contributing through the Society of Amer-

Oak Wreaths

Natural prepared American Oak Wreaths, made from preserved and fireproof Oak Sprays in cherry red, golden brown and natural green. Two sizes, 18 and 24 inch. Sample of 24-inch wreath will be sent postpaid on receipt of 90c.

OSCAR LEISTNER, 17 North Franklin Street
CHICAGO

Selling Agents for OVE GNATT Hammond, Ind.
Preparer of natural foliages.

Chicago Carnation Co.

Wholesale Florists.

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

ican Florists were: Brant & Noe Floral Co., W. F. Kasting, Buffalo, N. Y., and Henry & Lee, New York.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

88 E. Randolph Street,

Private Exchange to
all Departments. Phone Central 7720.

CHICAGO

Everything in Cut Flowers and Supplies.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids,
Peonies and Other Seasonable
Stock for Wedding Work.

Long Distance Phone
Central 3598.

Kennicott Bros. Co.

Wholesale Cut Flowers

PEONIES

Extra select, \$5.00 to \$6.00 per 100.
Select, \$3.00 to \$4.00 per 100.

163-165 N. Wabash Av.
CHICAGO

L. D. Phone Central 466

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO
ROSES and CARNATIONS
Our Specialties.

HOERBER BROS.

Wholesale Cut Flowers
Growers of

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., CHICAGO

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

ZECH & MANN

Wholesale Florists

30 East Randolph St., - - Chicago

Telephone, Central 3284.

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers
at Lowest Market Prices.

30 E. Randolph St., CHICAGO

Mention the American Florist when writing

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, June 11.	Per doz.
Roses, Beauty, specials.....	\$4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 28-in.....	2 00
" " 15-20-in.....	1 25@ 1 50
" " 12-in.....	75
" " Short.....	2 00@ 4 00
" Killarney.....	3 00@ 8 00
" White Killarney.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" Prince de Bulgarie.....	3 00@ 8 00
" Radiance.....	3 00@ 8 00
" My Maryland.....	3 00@ 8 00
" Melody.....	3 00@ 8 00
" Mrs. Jardine.....	3 00@ 8 00
" Lady Hillingdon.....	3 00@ 8 00
" Sunburst.....	3 00@ 8 00
Carnations.....	1 50@ 2 50
Daisies.....	1 00@ 2 00
Cattleyas...per doz., 6 00 and up.	2 00@ 4 00
Gardenias.....	10 00@12 50
Lilium Harrisii.....	2 00@ 6 00
Peonies.....	3 00@ 4 00
Valley.....	75@ 1 50
Sweet Peas.....	2 00
Adiantum Croweanum.....	25
Boxwood.....per lb.	2 00@3 00
Ferns.....per 1000.	1 25
Galax.....	75
Leucothoe.....	3 00@ 4 00
Mexican Ivy...per 1000.	5 00@6 00
Plumous Strings...each.	50@ 60
Smilax.....per doz.	2 00@2 50
Sprengeri, Plumous Sprays.....	3 00@ 4 00

We have a big supply of
Mexican Ivy

and a surplus of choice

MAGNOLIA LEAVES

AND PREPARED PALM LEAVES.

H. WITTBOLD

56 Randolph St., CHICAGO

Phone Randolph 4708

Mention the American Florist when writing

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing

Wietor Bros.

Wholesale CUT FLOWERS
Growers of

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

C.C. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and **Greens**

Green Sheet Moss

For lining hanging baskets, for decorating
show windows for covering soil on pot
plants, etc. 1 Bale (5 bundles).....\$1.25
5 bales (25 bundles).....6.00

GEO. H. ANGERMUELLER,
Wholesale Florist. ST. LOUIS, MO.

Philadelphia.

WEDDINGS KEEP FLORISTS BUSY.

Large wedding decorations were the feature of the past week, the first three days finding most of the larger stores with about all the work they could handle. Peonies were used by the thousand and there was a good demand for all first class stock. American Beauty roses were handled in quantity, cleaning up at good prices. The native laurel was at its best and large quantities were used in church and other decorations. Outside stock is now very plentiful, there being an abundance of rambler roses, gallardia, coreopsis, larkspur, etc. The larkspur spikes are very fine, their various shades of blue working up well with pink roses in basket work. Carnations are falling off perceptibly in quality. Snapdragon is still presentable and good gladioli are daily offered. Lily of the valley has had a great run as it is essentially a bride's flower. In addition to the local demand there were large out-of-town orders which kept the market cleaned up every day. In fact last week's business was the best since Easter, barring Memorial day. Peonies are still a factor. Great quantities were thrown on the market the latter part of the week and prices fell off in consequence. Very fine outdoor peas are coming to the market in quantity and meet with a ready sale, being largely used in bunches and baskets for commencements which are now on.

NOTE.

The H. A. Dreer rose beds at River-ton are now at their best and every lover of the rose in this neighborhood, should, if he can make it convenient, spend a couple of hours some morning looking them over. Just before, or as the sun is rising is the best time. All the new hybrid teas, many of them still under number, are to be seen as are all the other older varieties of merit. There are also beds of hybrids, together with others of baby rambler types. A row of ramblers of all the popular sorts is a feature. Loaded with bloom as they are, they present a strikingly beautiful appearance. Such a display as this arranged in the park on a larger scale with the added attractiveness of pergolas, arches, summer houses, and the massing of colors that would be possible with a garden of this magnitude and with the great number of meritorious productions of the past few years would be a most attractive spot and the mecca of

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245.

P. O. Box 206.

448 Mil-
waukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, June 11.		Per 100
Roses, Beauty, extra.....	16 00@25 00	
" first.....	10 00@15 00	
" Brides and Maids.....	3 00@ 8 00	
" Killarney.....	4 00@12 00	
" White Killarney.....	4 00@12 00	
" Liberty Killarney.....	4 00@12 00	
Carnations.....	2 00@ 4 00	
Cattleyas.....	35 00@50 00	
Gardenias.....per doz.	1 00@ 2 00	
Lilium Harrisii.....	8 00@12 00	
Lily of the Valley.....	3 00@ 5 00	
Calla Lilies.....	10 00@12 00	
Marguerites.....	75@ 1 00	
Snapdragons.....	6 00@ 8 00	
Sweet Peas.....	75@ 1 00	
Water Lilies.....	3 00@ 4 00	
Peonies.....	4 00@ 6 00	
Gladioli.....	3 00@ 6 00	
Asparagus.....per bunch.	50	

PITTSBURG, June 11.		Per 100
Roses, Beauty, special.....	50 00	
" extra.....	30 00	
" No. 1.....	15 00	
" Killarney.....	3 00@10 00	
" My Maryland.....	3 00@10 00	
" Richmond.....	3 00@10 00	
Carnations.....	3 00	
Calla Lilies.....	12 00	
Freesias.....	3 00	
Gardenias.....	3 00	
Daisies.....	2 00	
Cattleyas.....	50 00	
Violets.....	50@ 75	
Sweet Peas.....	75@ 1 00	
Lilium Longiflorum.....	12 00	
Lilium Rubrum.....	8 00	
Lily of the Valley.....	4 00	
Daffodils.....	3 00	
Tulips.....	3 00	
Paper White.....	3 00	
Romans.....	2 00	
Poeticus Narcissus.....	1 00	
Oncidiums.....	4 00	
Lilac.....per bunch.	\$1 00	
Asparagus Sprengeri, per bunch.	35@40	
Sprays.....per bunch.	35@40	

MILWAUKEE, June 11.		Per 100
Roses, Beauty, per doz.	3 00@4 00	
" White and Pink Killarney.	2 00@ 8 00	
" Richmond.....	2 00@ 8 00	
Carnations.....	1 50@ 3 00	
Easter Lilies.....	8 00@10 00	
Lily of the Valley.....	4 00	
Sweet Peas.....	75@ 1 50	
Daisies.....	75@ 1 00	
Peonies.....	4 00@ 5 00	
Asparagus.....per string.	50	
Sprengeri, per bunch.	35	
Ferns, fancy.....per 1000.	\$2 00	

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

Easter Lilies, Carnations, Sweet Peas,
all the popular roses. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist.

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St.,
Both L. D. Phones, ST. LOUIS, MO.
Sup., lies and Everything in Season always on hand

For June Weddings—Commencements

BEAUTIES—The largest and best supply in Philadelphia. **VALLEY**—Never without it: a fresh supply every day. **PEONIES**—White and pink, all good varieties. **SWEET PEAS**—We will be very strong on Peas during this month, and are offering you splendid values in this line.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

Edward Reid

WHOLESALE FLORIST,
1619-21 Ranstead St., PHILADELPHIA, PA.
Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids
BEST PRODUCED
226 Devonshire Street, BOSTON, MASS.

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

U S Budlong's E Blue Ribbon Valley.

all lovers of flowers during the month of June. An immense business has been done in pot roses at Riverton the past spring, a stock of over three hundred thousand roses in six-inch pots has been handled; shipments being made to all parts of the United States.

Much was said of the next National Flower Show at the last meeting of the club. Arthur Niessen's idea that one of the upper floors of the Wanamaker store would be the ideal place, if it could be had, appears to meet with much favor. It would likely insure a good attendance, being most central and sure to be well advertised. The next most available place is the new Convention hall, which, while some distance from the center of the city, would not be as far away as the circus that makes its annual visit and always draws record crowds. The outing of the club, to be held June 19 at Washington park on the Delaware, will be a "hummer," says Chairman Gracey. There will be a chance for every one to win a prize, ladies as well as gentlemen. Next to the dinner the baseball game and the tug of war will be the features.

One of the best roses seen at the exhibition of the Pennsylvania Horticultural Society last week was My Maryland from out of doors. The blooms were very fine. It is said to winter as well as any of the hybrids.

Berger Bros.' store is strong on peonies and Richmond roses. Louis Berger is recovering from an operation for appendicitis and expects to be about soon.

Wholesale Flower Markets

BUFFALO, June 11.	Per 100
Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	10 00@15 00
" " No. 1.....	7 00@10 00
" " No. 2.....	3 00@5 00
" Maid and Bride.....	3 00@6 00
" Pink Killarney.....	3 00@8 00
" White Killarney.....	3 00@8 00
" Richmond.....	3 00@8 00
" My Maryland.....	3 00@8 00
" Aaron Ward.....	4 00@6 00
" Kaiserin.....	4 00@8 00
" Carnot.....	4 00@8 00
" Snapdragon.....	3 00@5 00
" Swainsona.....	75@1 00
" Carnations.....	1 00@2 50
" Lilium Longiflorum.....	10 00@12 00
" Lily of the Valley.....	3 00@4 00
" Pink Japan Lily.....	3 00@5 00
" Peonies.....	3 00@5 00
" Mignonette.....	2 00@3 00
" Daisies.....	1 00@1 25
" Sweet Peas.....	50@1 00
" Asparagus, per bunch.....	35@ 50
" Asparagus, Sprenger.....	35@ 50
" Ferns.....per 1000, \$2 50	

BOSTON, June 11.	Per 100
Roses, Beauty, best.....	15 00@20 00
" " medium.....	10 00@12 00
" " culls.....	2 00
" White and Pink Killarney, Special.....	6 00
" White and Pink Killarney, Extra.....	4 00@6 00
" Double White Killarney.....	10 00@12 00
" Killarney Queen Special.....	8 00@10 00
" Mrs. Chas. Russell.....	10 00@12 00
" Sunburst, Special.....	6 00@8 00
" Taft.....	2 00@8 00
" Cardinal.....	2 00@10 00
" Ward and Hillingdon.....	1 00@6 00
" Richmond.....	2 00@8 00
" My Maryland.....	2 00@8 00
" Carnations, select.....	1 50@2 00
" Cattleyas.....	25 00@40 00
" Gardenias.....	12 00@25 00
" Lilium Longiflorum.....	4 00@6 00
" Lily of the Valley.....	2 00@3 00
" Sweet Peas.....	50@ 75
" Daisies, Marguerites, per doz.....	75@1 50
" Peonies.....	75@1 00

CINCINNATI, June 11.	Per 100
Roses, Beauty.....per doz., \$1 00@	\$3 00
" " Bride, Bridesmaid.....	2 00@6 00
" " Killarney.....	2 00@6 00
" " My Maryland.....	3 00@6 00
" " Perle.....	3 00@6 00
" " Richmond.....	2 00@6 00
" " Taft.....	2 00@6 00
" Carnations.....	2 00@3 00
" Lilium Giganteum.....	8 00@10 00
" Lily of the Valley.....	3 00@4 00
" Sweet Peas.....	35@ 50
" Gladioli.....	3 00@8 00
" Cape Jasmine.....	1 00@2 00
" Asparagus Plumosus.....per bunch,	25
" Snapdragon.....	3 00@6 00



Give Us a Trial We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists.
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

ST. LOUIS, June 11.	Per 100
Roses, Beauty, long.....per doz.,	3 00
Roses, Beauty, medium.....	8 00@15 00
Roses, Beauty, short stems.....	00@5 00
" Killarney.....	00@5 00
" My Maryland.....	00@5 00
" White Killarney.....	3 00@5 00
" Carnations.....	1 00@2 00
" Lilium Rubrum.....	8 00
" Valley.....	4 00
" Sweet Peas.....	20@ 40
" Asparagus Sprenger.....	2 00@3 00
" Asparagus Plumosus, per bu.,	35@60
" Ferns, New, Fancv.....	2 00
" Galax.....per 1000, 1.25	

150,000 Chrysanthemum Cuttings.

Extra Fine Stock. Good Value for the Money. Can Fill Orders For 100, 250, 500, 1000, or 10,000, at a Moment's Notice. Order Today.

WHITE		
	R. C. per 100	1000
Smith's Advance.....	\$2.00	\$15.00
White Chadwick.....	3.00	27.50
Lynnwood Hall.....	2.50	20.00
Alice Byron.....	2.00	15.00
Touset.....	2.00	15.00
October Frost.....	2.00	15.00

YELLOW		
	R. C. per 100	1000
Comoleta	\$3.00	\$27 00
Golden Chadwick.....	3.00	27 50
Yellow Eaton.....	2.50	20.00
Crocus.....	2.00	15 00
Golden Glow	2.00	15.00
Halliday	2.00	15.00
Maj. Bonnaffon.....	2.00	15.00

PINK		
	R. C. per 100	1000
Amorita.....	\$2.50	\$20.00
Dr. Enguehard.....	2.50	20.00
Pacific Supreme.....	2.00	15.00
Balfour.....	2.00	15.00

J. D. Thompson Carnation Co., Joliet, Ill.

New York.

MARKET BADLY GLUTTED.

The glut in cut flowers, which was somewhat delayed by cool and dark spring weather, settled down like a black cloud on the wholesale district during the past week. There was an oversupply of everything with light buying, the buyers getting everything at their own prices. Orchids, roses, carnations, lilies, peonies and minor stocks were practically in the same boat. "There was a time," said one wholesaler, "when by offering stock by the thousand at a very low rate, we could move it, but it can't be done now." The carnations, many of them, are very poor and their finish would seem to be near at hand. Fifty cents, 75 cents or \$1.00 a hundred were fortunate prices. Lilies did not seem to be wanted, at least not in any quantity to appreciably reduce the stock on hand. There was excellent stock of peonies on the market but the surplus was great, and thus it was all along the line. There is one satisfaction—it does not seem that conditions can grow any worse, and with the peonies out of the way and a diminishing supply of carnations there may soon be a chance to move around without stumbling over boxes of stale stock.

Monday, June 9.—While we give quotations, as a matter of fact they do not adequately describe the condition of the market, which is badly overloaded. Prices are not a consideration, it is merely a wild scramble to unload. One reliable wholesaler advises us that he has about 20,000 lilies on hand that do not seem to be wanted. One heavy shipper of peonies has stopped shipping. He says that he has too much other work on hand to cut and ship peonies. The optimist says "It will be better next week." We hope so, as it cannot be any worse.

NOTES.

Wm. H. Siebrecht, Jr., secretary of the New York and New Jersey Association of Plant Growers, advises us that the annual summer outing of the association will be held June 24 and 25 at Delaware Water Gap. The party will leave the D. L. & W. station, Hoboken, N. J., at 10:15 a. m., June 24 on the Lackawanna limited. Anton Schultheis and Julius Roehrs, Jr., are in charge of all the arrangements. There will be boating on the Delaware river, bowling by both ladies and gentlemen for prizes, a trip to Stroudsburg, dancing and other recreations and sports. Tickets are \$8.50

The Chicago Great Western has been named the Official Route of the Chicago Florists' Club to the Minneapolis Convention, August 19th to 22nd.

The Chicago Florists' Club will leave Chicago by Special Train at 6.15 p. m., August 18th, an invitation is extended to all eastern Florists and their friends and families to join them at Chicago and go to the convention in a body.

Special train will be "up-to-the-minute" throughout—including compartment and drawing room and standard sleepers, Buffet Club car, dining cars, Observation parlor, etc., etc.

For berths and information address,

A. L. CRAIG, General Pass. Agt.,
1139 People's Gas Bldg., CHICAGO, ILL.



each, which covers railroad fare and all other expenses. Tickets can be had of Wm. H. Siebrecht, Jr., Queens Plaza Court Building, Long Island City, N. Y.

It seems settled that a flower show will be held in the spring of 1914 in the Grand Central Palace, Lexington avenue and Forty-sixth street. The date fixed upon is March 21-28. The show will be held under the auspices of the International Exhibition Co., the Horticultural Society of New York and the New York Florists' Club. Further details will be published from time to time. It is stated that, though

U S Budlong's
E Blue Ribbon Valley.

no public request for subscriptions to the guarantee fund has yet been made, several thousand dollars have been subscribed.

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NEW YORK

WASHINGTON

OFFICIAL
S. A. F.

Shipping Labels



S. S. Pennock-Meehan Co.

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.



PERCY B. RIGBY, Treasurer.

Everything in supplies.

FOR CUT FLOWERS: in two colors on gummed paper: your card, etc., in black and leaf adopted by the S. A. F. in red
Price per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago

We learn that a movement is being considered by a number of retail florists in regard to closing their stores on Sunday afternoons. Men who are not prompted by religious scruples agree that constant Sunday work is a grind and that they and their employees need the day for rest. There is some reason for a flower store keeping open on Sunday morning, but none that we can see for keeping open in the afternoon. We hope that this movement will gain strength and that the new plan will be adopted. From both the moral and business viewpoint Sunday closing is right and petty jealousies should not be allowed to interfere with it.

Mrs. Paul Meconi will sail for Europe June 17 for a three-months' visit with friends in Germany. Though she and Mr. Meconi were married last Christmas they had no honeymoon, but went right on working. She had been his bookkeeper and stuck to the job. Paul says that though he cannot have a honeymoon himself, he wants her to have one, and many friends will wish the genial little woman a happy vacation and a safe return.

H. E. Froment is serving on the jury but gets into the business district on Saturdays. In the meantime Phil. Dittzenberger and the boys are kept busy with the big stock of roses arriving from the L. B. Coddington range.

The Saltford Flower Shop, Poughkeepsie, secured several designers from this city to help out on their Vassar commencement orders June 9. N. C. Schreiner was one of the men who filled the bill.

Some of the finest pink and white peonies reaching this market are being handled by Geo. C. Siebrecht.

Visitors: Wm. F. Kasting, Buffalo; Wm. J. Stewart, Boston, Mass.

A. F. F.

New York Florists' Club.

The monthly meeting of the club, the last until September, was held in the Grand Opera House building on the night of June 9, President Siebrecht in the chair. There was a good attendance and good feeling prevailed, the meeting being in a certain sense a fraternal farewell. Chairman Kessler of the outing committee reported good progress and said that indications point to a very successful outing. The market committee reported progress.

Chairman Harry Bunyard of the transportation committee to the Minneapolis Convention reported progress. The route has not yet been decided upon but indications point to the Delaware, Lackawanna & Western railway as the official route. The committee was given time to make a selection. One hundred dollars was voted to the committee for necessary expenses.

The club committee that acted in connection with the Third National Flower Show, was re-appointed to serve next year. A strong resolution was adopted, to be forwarded to Governor Sulzer, protesting against his veto of the bill appropriating \$6,000 for greenhouses at the experiment station, Utica, N. Y.

A. Farenwald of Philadelphia spoke at length on the affiliation of clubs

Paul Meconi

Wholesale Florist

55-57 West 26th Street
NEW YORK CITY

Telephone: 3864 Madison Square

Wholesale Flower Markets

NEW YORK, June 11.		Per 100
Roses, Beauty, special.....	8 00@10 00	
" " extra and fancy ..	4 00@ 5 00	
" " No. 1 and No. 2....	50@ 1 00	
Killarney, My Maryland....		
special.....	5 00@ 6 00	
extra.....	2 00@ 3 00	
No. 1 and No. 2.....	25@ 1 00	
Queen, special.....	7 00@ 8 00	
Red, special.....	7 00@ 8 00	
Hillingdon, Aaron Ward.....	5 00@ 6 00	
Richmond.....	50@ 8 00	
Sunburst, special.....	6 00@ 6 00	
Taft, special.....	@ 6 00	
Mrs. Geo. Sawyer, special.....	5 00@10 00	
Carnations.....	25@ 1 00	
Cattleyas.....	25 00@40 00	
Gardenias.....	5 00@15 00	
Lilies, Longiflorum and Harrisii ..	1 00@ 3 00	
Lily of the Valley.....	3 00	
Gladiolus....per doz.....	50@ \$1 00	
Sweet Peas....per doz, bunches, 25@ 50		
Spencer type, per doz, bunches.....	175@ \$1 00	
Adiantum Croweanum.....	15@ 50	
Asparagus Plumosus....doz. bchs. 1 50@ 2 00		
Smilax.....per doz. strings, 1 00@ 1 25		
Stocks.....per bunch, 20c@50c		
Snappedragons....per doz., 25c@50c		
Peonies, mixed, per doz., 75c@1 00		

with the Society of American Florists. Mr. Farenwald's views were practically the same as previously outlined before the Philadelphia Florists' Club. W. F. Kasting of Buffalo was present and made an extended address, which was well received. He, also, went into the question of affiliation and suggested that the amount paid by club members over and above their regular dues to go toward the support of the S. A. F., be at least \$2.00.

Charles H. Totty made a very satisfactory report relating to the projected flower show, to be held in the Grand Central Palace March 21-28, 1914. About \$4,000 has already been subscribed as a guarantee fund and this with but little effort on the part of the committee. Mr. Totty pledged himself to take the same space that he occupied at the last show. Wallace R. Pierson, of A. N. Pierson, Inc., Cromwell, Conn., who was present, made a similar proposition for his firm.

Harry Bunyard read a resolution on the recent death of A. L. Don. The Thomas A. Edison Co. had a representative present with one of their music machines. Scott Bros., Elmsford, N. Y., exhibited a seedling fern, very fine and compact, for which they were awarded a vote of thanks. A. N. Pierson, Inc., exhibited the rose Midway, which also received a vote of thanks. A. F. F.

INDIANAPOLIS, IND.—C. H. Boukettis, formerly with John Mangel of Chicago, has opened a new flower shop in the Claypool hotel. He will do business under the name of "The Claypool Florist."



HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.
Mention the American Florist when writing

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St., NEW YORK.
CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.
Mention the American Florist when writing

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Mention the American Florist when writing

Geo. C. Siebrecht

WHOLESALE FLORIST

109 West 28th St., NEW YORK

Tel. 608 and 609 Madison Square

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Guttman Flower Growers Co.

A. J. GUTTMAN, President.

Wholesale Florists

Removed to 102 W. 28th St., New York

Phone 1912 and 7983 Madison Square.

18 Years Experience.

Mention the American Florist when writing

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist Trade, at Wholesale.

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119 West 28th Street NEW YORK

M. RICE CO.

The Home of Supplies

OUR "WILLING HELPER" KATALOG
A BIG HELP IN ORDERING BY MAIL

1220 Race Street, PHILADELPHIA, PA.

GOLDFISH



Asstd. sizes, Medium and Large,
\$7.00 per 100.

Also
Bird
Remedies
and
Supplies

AUBURNDALE GOLDFISH CO.

1449 Madison Street,

CHICAGO

Gold Letters

1 1/4 inch.....45c per 100
1 " 40c " "
3/4 " 35c " "

American Importing Co.

219 Dearborn Street, Chicago

AUG. STORZ,

1220 STOWE STREET,
BURLINGTON, IOWA

WILLOW-ART AND FANCY BASKET-MAKER

Over 20 years practical experience.

All kinds of

Flower Baskets, Jardiniers, Hanging
Baskets, Porch Willow Boxes,
Vases, Novelties, Etc.

Any Color, With or Without Metal Lining.

Write for sample and price list.

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



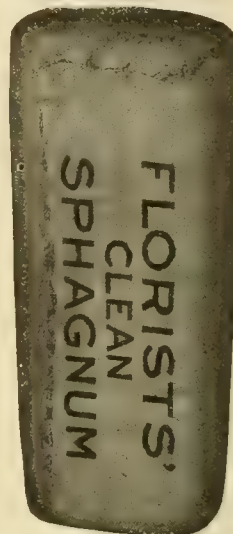
Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av .. New York
Telephone 1202 Madison Square.

Sphagnum Moss Headquarters

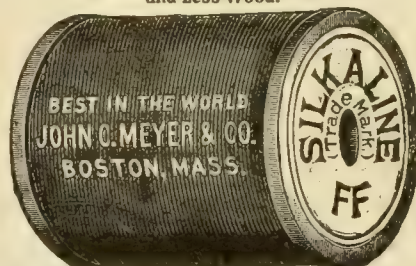
FULL SIZE BALES, CLEAN STOCK,
NEW BURLAP

TRY A SAMPLE ORDER AND COMPARE WITH
WHAT YOU ARE GETTING

VAUGHAN'S SEED STORE,
CHICAGO.



Do Not Take Any Fake Green Thread. Use the
Genuine Silkline and Get More Thread
and Less Wood.



The MEYER Green

SILKALINE

Used by Retail Florists for mossing funeral
designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it
will not fade or rot in the greenhouse. The Meyer
Silkline was the first green thread to be introduced
among Florists and Growers. It is handled by the
best houses everywhere, but it should be ordered by
name—Meyer's Silkline—to be sure of getting the
genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the
manufacturers. Price for any size or color, \$1.25 per
lb. Sizes "F" fine, "FF" medium, and "FFF" coarse

JOHN C. MEYER THREAD CO., Lowell Thread Mills,
1495 Middlesex St., Lowell, Mass.

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$1.50
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze, Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

MOSS

We have a surplus of 12 barrel bale New Jersey
Moss, clean, fresh and burlapped, and will deliver
anywhere in Chicago, express prepaid, at \$5.00 per
bale, 2 or more bales at \$4.75. By freight collect
at 25c per bale less. Satisfaction guaranteed or
money refunded.

KLEHMS' NURSERIES, Arlington Heights, Ill.

H. BAYERSDORFER & CO.



Florists'
Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

New Crop Fancy and Dagger Ferns

Huckleberry Foliage now ready.

Price, Huckleberry, \$2.00 per case; Fancy Ferns,
\$1.25 per 1000; Dagger Ferns, \$1.10 per 1000.

Caldwell the Woodsman Co.

Everything in Southern Evergreens
EVERGREEN, ALABAMA.

HUCKLEBERRY FOLIAGE \$2.00 per case

FANCY FERNS, \$1.25 per 1000

DAGGER FERNS, \$1.10 per 1000

Perpetuated and Natural Sheet Moss.

E. A. BEAVEN, Evergreen, Ala.

US Budlong's E Blue Ribbon Valley.

Baskets

Newly imported stock from our large fac-
ories in Germany. Largest and finest assort-
ment in the United States. Send for a \$5.00
or \$10.00 assortment, our selection, and we
will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,

713-717 Milwaukee Ave.,

CHICAGO

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

DULUTH, MINN.

2 STORES 2

SUPERIOR, WIS.

J. J. LEBORIUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
Mention the American Florist when writing

M. C. Rowe

IN THE HEART OF NEW YORK CITY
Phone Murray Hill 1440 and 1441.

6 East 33d Street, Opposite the Waldorf-Astoria.
Our Motto—The Golden Rule.

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"WILSON"

3 and 5 Greene Ave., Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.
Greenhouses: Short Hills, N. J.

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NEW YORK, LONG ISLAND and NEW JERSEY.
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Terre Haute, Ind:

John G. Heiml & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail,
Telephone, Telegraph and Cable orders with
best quality stock in season

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GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

June 15.

FROM MONTREAL, Pomeranian, Allan.
Bulgarian Prince, Prince.

June 17.

FROM MONTREAL, Royal Edward, Can. North-
ern.
FROM BOSTON, Cymric, White Star, 9 a. m.
Pennsylvania, Ham-Amer., 9 a. m.
Noordam, Holland-America, 10 a. m.
Kaiser Wilhelm der Grosse, North Ger.-Lloyd,
10 a. m.
Sant Anna, Fabre, 3 p. m.

June 18.

Campania, Cunard.
FROM BALTIMORE, Chemnitz, North Ger.-
Lloyd, 2 p. m.
Caracas, Red "D" Line, 12 noon.

June 19.

FROM MONTREAL, Virginian, Allan.
Adriatic, White Star, 12 noon.
La Lorraine, French, Pier 57, North River.
Vulturino, Uranium.
Amerika, Ham-Amer., 10 a. m.
Berlin, North Ger.-Lloyd, 10 a. m.
Oscar II, Scand.-Amer., 2 p. m.

June 20.

New York, American, 10 a. m., Pier 62, North
River.
FROM PHILADELPHIA, Menominee, Red Star,
10 a. m.
Lady Ninian, Houston.
Purus, Lloyd Brasileiro.
Kloto, Norton.
Karonga, Norton.

June 21.

FROM MONTREAL, Hesperian, Allan.
Columbia, Anchor, 10 a. m., Pier 64, North
River.
FROM PHILADELPHIA, Dominion, American,
10 a. m.
Finland, Red Star, 10 a. m., Pier 61, North
River.
Majestic, White Star, 12 noon.
Niagara, French, Pier 57, North River.
FROM MONTREAL, La Touraine, French.
FROM MONTREAL, Letitia, Donaldson, at day-
light.
Prinz Friedrich Wilhelm, North Ger.-Lloyd, 10
a. m.
Kaiser Franz Joseph I, Austro-American, 1 p.
m.
Verona, Navigazione, Pier 74, North River.
Thames, Royal Mail.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to
any part of the United States, Canada
and all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Reference or Cash must accompany all orders
from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

Montreal

McKenna

Cor. St. Catherine and Gay Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater
orders. Prompt delivery and best
stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for
delivery in any part of Texas.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

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60 KEARNEY STREET

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

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Established 1874.

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and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

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We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.

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LA CROSSE FLORAL CO.

BOTH PHONES No. 40
LONG DISTANCE No. 40

Careful Attention To All Orders.

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Atlanta Floral Co.

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Max Schling

NEW YORK
No. 22 West 59th Street
Adjoining Plaza Hotel

Boston, Mass.



"Penn, The Telegraph Florist"

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
California Florists, Tacoma, Wash.
Clark's Sons, New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L. Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyres, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Gery Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthewson, J. E., Sheboygan, Wis.
May & Co., L. L., St. Paul, Minn.
McClunie, Geo. G., Hartford, Conn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Nicholas, John S., New York.
Ostertag Bros., St. Louis.
Palez, Paul M., Little Rock, Ark.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pelicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Philips Bros., Newark, N. J.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Portland Flower Store, Portland, Me.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller, The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Weber, Fred C., St. Louis.
Weber, F. H., St. Louis, Mo.
Wills & Segar, London, England.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Witthold, Geo., Co., 737 Buckingham Pl., Chicago.
Witthold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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D. C.

Gude's

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All Orders Given Prompt and Careful Attention

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SELLING FLOWERS
40 YEARS

4326-28 Olive Street

Notice initials—we have one store only.

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Personal Attention to all Orders.

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Floral Designs and
Choice Cut Flowers

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'FLOWERS' Your Orders Solicited

My Only Store. Phone Charter 6535-2

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KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

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FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE

Washington, D. C.

Blackistone

14th and H. Street.

Boston, Mass.

Send flower orders for delivery in

Boston and all
New England Points

To THOS. F. GALVIN, Inc.,

124 TREMONT ST.

City Index to Retail Florists'
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Albany, N. Y.—Eyes, 11 N. Pearl St.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Mangel, 17 E. Monroe St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
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Indianapolis—Bertermann Bros. Co., 214 Mass.
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Kansas City—Samuel Murray.
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New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—John S. Nicholas.
New York—Young & Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
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St. Louis, Mo.—Fred C. Weber.
St. Louis, Mo.—F. H. Weber.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
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San Francisco—Pellecano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Helni & Sons.
Tacoma, Wash.—California Florists.
Toledo, O.—Mrs. J. B. Freeman.
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Washington—Blackistone.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.

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Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

San Francisco

Podesta & Baldocchi

224 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES
FLORIST,Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

The Cleveland Cut
Flower Co.

Will fill your orders for designs and cut flowers i

NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.

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Flowers or Design Work.

Delivered in Albany and vicinity on
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11 NORTH PEARL STREET

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Canada's best known and most reliable florist

Only
the
Best Dunlop's

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in Wisconsin

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Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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ORDERS TAKEN FOR

FLOWERS

DELIVERED TO ALL PARTS OF THE COUNTRY.
SPECIAL CARE, SELECT AND ARTISTIC WORK.

F. H. Weber

Member of Florists' Telegraph Delivery

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Both Long Distance
Phones.

Send your orders for Chicago and Suburbs to



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J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

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Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

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PAUL M. PALEZ,
FLORIST,
409 MAIN STREET.

All orders carefully filled and delivered to all parts
of the city, Arkansas and the Southwest.

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Mrs. J. B. Freeman

(Successor to Geo. A. Heint)

336 Superior St., Toledo, O.
Both Phones, 527.

Special attention to Mail and Telegraph Orders

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L.W. McCOY, Florist
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Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for
Alaska, Washington and Oregon.

Newark, Ohio.**CHAS. A. DUERR.**

Member of Florists' Telegraph Delivery.

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Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
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that may be entrusted to them

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1501 and L 1582

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MYER, FLORIST, 609-611 Madison Ave
Phone 5297 Plaza.

Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

Baltimore.

WEDDINGS AND COMMENCEMENTS.

The latter part of June will result in a lull in the flower business. Just now, however, June weddings galore and commencements are many. Roses reign supreme at these occasions, though some use carnations, sweet peas, lily of the valley, etc. The social world is planning for seashore or mountain or perhaps a trip abroad, so except for a few dinners or a garden party, flowers are not in great demand for social functions. Prices have kept up very well all spring. Memorial day held its own with former seasons. Outdoor flowers were in great demand on that day, especially peonies. We noted in passing through Washington, D. C., on our way to Mt. Vernon, what a display that city makes on Memorial day. Flags and bunting draped the public buildings, wreaths were placed at the foot of monuments and the city seemed to have put on gala dress. The tombs of Washington and his wife were fittingly decorated and all men on approaching the last resting place of the "Father of His Country" bared their heads in respectful homage to his memory.

Baltimore is in the hands of the advertisers this week, and an elaborate programme is being carried out.

B.

In the Heart of New York
NEW FLOWER AND FRUIT STORE
JOHN S. NICHOLAS

42nd St. and Park Avenue New York City
Grand Central Terminal

The Old Established High Class Florist

Has opened a magnificent flower and fruit establishment on the Forty-second street side of the New Grand Central Terminal Station, New York City. The facilities of this store for the satisfactory execution of mail, telephone and telegraphic trade orders at steamers, and elsewhere in New York City and its suburbs are unsurpassed.

PHILIPS BROS, 938 Broad St.
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Artistic Floral Work and Long Stem
Beauties Our Specialty.

Los Angeles, Calif.

Wolfskill Bros. and
Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

New Orleans**CUT FLOWERS**

Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
CANAL ST.

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone
orders.

Tacoma, Wash.

California Florists
will take care of all telegraphic orders.

Michigan.

Orders will be carefully
cared for by**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan

Rockford, Ill.

H. W. BUCKBEE.

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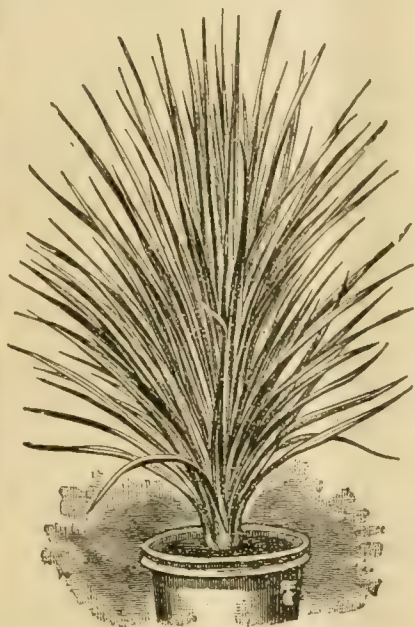
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Wittbold's Bargain List.

Select What You Need From This List and Let Us Have Your Order as Early as Possible. This Stock is of Fine Quality and a Big Bargain at the Prices Quoted.



DRACAENA INDIVISA

2-in., \$3.00 per 100; 3-in., \$5.00 per 100; 4-in. \$12 00 per 100, 5-in., \$3.00 per dozen, \$20.00 per 100; 6 in., \$6.00 per doz. 8-in., \$1.00 to \$1.50 each.

Boxwoods.

Obelisk, 5-ft.....	Each, \$12.00
Globe Shaped—	
12-15-inch.....	Each, \$2.00 to 2.50
20-24-inch.....	4.50
Bushes, 12-in.....	.30

MISCELLANEOUS

Aucuba, large.....	Each, \$3.00 to \$3.50
Aucuba Japonica, 2-ft.....	1.00
Aucuba Type, 2-ft.....	1.00
Conifers, assorted, 18-24-in.....	1.00
3-3 1/2-ft.....	1.50
Araucaria Excelsa—	Each Doz. Per 100
2-3 tiers.....	\$.50
3-4 tiers.....	.75
6-in., 4-5 tiers.....	1.00 \$12.00
7-in., 4-5 tiers.....	1.50 18.00
Areca Lutescens—	
3-in., 3 plants in a pot.....	2.00 15.00
6-in.....	1.50
Asparagus Plumosus—	
2-in.....	3.00
3-in.....	6.00
Asparagus Sprengeri—	

BEDDING STOCK. Per 100

Geraniums, any variety.....	\$ 8.00
Vinca Variegata, 4-in.....	17.00
English Ivy, 4-in.....	17.00
Nasturtiums, 3-in.....	6.00
Petunias, 3-in.....	6.00

WANTED

BOSTON FERNS, any size. Send samples or write and tell us what you have. Do it Now.

Bay Trees—Standard

Stem	Crown	Each
12-14-inch	18-in.	\$4.00
2-ft.	12-in.	\$4.00
2-ft.	18-in.	5.00
1-ft.	24-26-in.	6.00
3-ft.	20-22-in.	6.00
2 ft. 4-in.	24-28-in.	7.00
3-ft.	26-in.	7.00

PYRAMIDS

9 ft. high.....\$20.00

PHOENIX ROEBELENI

	Each	Doz.	Per 100
2 1/2-inch.....		\$ 2.00	\$15.00
3-inch.....		3.00	
4-inch.....	\$0.50	6.00	
6-inch.....		12.00	
6-inch, strong.....		18.00	
7-inch.....	\$2.50 and 3.00		

Specimens, 7 in. extra strong.....4.00 each.
8 in. extra strong.....5.00 each.

PHOENIX RECLINATA

7-in., 24 in. high.....Doz., \$12.00

Phoenix Canariensis

3-in., 3 ft. 6 in. high.....	Each, \$3.00
8-inch tubs, 3 ft. high.....	3.00
10-inch tubs, 4 ft. high.....	6.00
10-inch tubs, 5 ft. high.....	9.00
12-inch tubs, 6 ft. high.....	15.00

KENTIA BELMOREANA.

Size	Leaves	Ht.	Each	Doz.	100
2-in.	4	8-in.	\$1.50	\$12.00	
3-in.	4-5	8-10-in.	2.00	15.00	
4-in.	4-5	12-in.	3.60	30.00	
5-in.	5-6	15-18-in.	6.00	50.00	
6-in.	6-7	20-22-in.	\$1.00	12.00	
6-in. strong, 5-6	18-20-in.	1.50	18.00		
7-in.	6-7	26-28-in.	2.00	24.00	
7-in. strong, 6-7	22-24 in.	2.50	30.00		
8-in.	6-7	36-40 in.	5.00		

COCOS WEDDELIANA.

2-inch.....	Doz. \$1.75; 100, \$14.00
Latania Borbonica—	
6-in.....	\$9.00 Doz. 7-in. \$12.00 Doz.

The Geo. Wittbold Co. —L. D. PHONE, GRACELAND 1112— 737-39 Buckingham Pl. **Chicago**

Bay and Box Trees

BAY TREES. These trees come in tubs.

Nothing can approach these handsome trees for decorating porches, piazzas, or hall entrances and they are largely used for stately effects in formal gardens.

Standard or Tree Shaped.

Stems	Each	Pair
36-in.....Crowns 24-in.....	\$ 7 00	\$13 00
45-in....." 26-in.....	7 50	14 00
45-in....." 28-in.....	8 00	15 00
45-in....." 30-in.....	10 00	18 00
48-in....." 34-in.....	12 00	22 00
48-in....." 40-in.....	15 00	28 00

Dwarf Standards.

Stems	Each	Pair
30-in.....Crowns 24-in.....	\$ 7 00	\$13 00
18-in....." 24-in.....	7 00	13 00
12-in....." 30 in.....	7 50	14 00

Pyramidal Shaped.

Each	Pair
5 ft. high, 24-in. diameter at base..	\$ 8 00 \$15 00
6 ft. high, 26-in. diameter at base..	10 00 18 00

BOX TREES.

Prices on Pyramid and Globes include new green tubs. If wanted out of tubs we allow 10 per cent discount.

Pyramids.

Each	Pair	Each	Pair	Each	Pair
2 1/2 ft. high.....	\$2 00 \$3 75	3 1/2 ft. high.....	\$3 50 \$6 00	4 ft. high.....	\$4 50 \$ 8 00

Globe Shaped, Untrimmed.

Each	Pair
15 in. high, 15 in. dia.....	\$2 00 \$3 75
18 in. high, 18 in. dia.....	2 50 4 50

Bush Shaped. These do not come in tubs.

Each	Pair
12 in.....	\$0 40 \$4 00
18 in.....	60 6 50
20 in.....	75 8 00
24 in.....	1 00 10 00

VAUGHAN'S SEED STORE

31 W. Randolph St., CHICAGO

43 Barclay St., NEW YORK

Greenhouses, Trial Grounds and Nurseries Western Springs, Ill.



STANDARD BAY TREE

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

At the recent Omaha meeting of the Western Seedsmen's Association all the officers were re-elected.

TORONTO, ONT.—Thomas and James Rennie sailed June 5 on the S. S. Victorian for a two months' European tour.

PHILADELPHIA, PA.—W. Atlee Burpee expects to make a European trip this season, sailing next month. —George C. Watson has made a "flit-tin'" the first in many years, and lovely Lansdowne shall greet him no more. It surely taxed George hard to leave the old home.

PEAS AND BEANS.—The John H. Allan Seed Co. reports a good deal of rain in all their growing sections, Michigan, Wisconsin and the Rocky Mountains, with cool weather. Under these conditions this firm anticipates only moderate crops but says much will depend on the weather yet to come.

GAY, SPEARS & WILLIAMS have filed suit against N. Fred Brent at Winchester, Ky., claiming that they bought a carload of grass seed from the defendant in July, 1906, at \$1.30 per bushel, to be delivered the following September, but at that time the price had advanced to \$1.68 and Brent declined to deliver. He maintains that the plaintiffs are a trust and that a contract with them is, therefore, illegal.

NEW ORLEANS, LA.—The J. Steckler Seed Co., Ltd., says its business is about on the same basis or perhaps slightly increased over 1912 at this time. While it was expected to be considerably more, trade has been somewhat curtailed on account of flood conditions, but there is every reason to believe that the remaining seven months of the year, 1913, will bring the business average up to, if not above, that of 1912.

Implied Warranty of Corn.

Where a seller of corn knows that it is purchased for seed, the supreme court of South Dakota holds, in *Totten vs. Stevenson* (135 Northwestern Reporter, 715) that, in the absence of an express contract to the contrary, the law implies a warranty of the fitness of the corn sold for the purpose for which it is bought; and the party seeking to recover damages for a breach of the contract in refusing to accept the corn has the burden of showing that the corn tendered in fulfillment of the contract filled the requirements of the implied warranty created by law. That is, he must show that the corn was reasonably fit for such purpose, unless it appeared that there was a contract wholly excluding the implied warranty.

IN the territory tributary to Lake Michigan beans, tomatoes and other tender crops have suffered seriously from cold weather the past week.

VISITED CHICAGO: Wm Rehm, representing L. Daehnfeldt, Odense, Denmark; Einar Knutsson, representing Hjalmar & Co., Copenhagen, Denmark.

CLEVELAND, O.—At A. C. Kendel's Seed Store there is much activity in spring plant business, which is steadily assuming large proportions. The bare floors in the seed departments give the proprietors a very comfortable feeling.

Nebraska and Colorado Seed Crop.

Waterloo, Neb., June 4.—The J. C. Robinson Seed Co. reports a wet, cold spring. Corn planting was delayed fully 10 days but the seed was good and little replanting has been necessary. If the rains would cease so cultivation could be done corn would make rapid headway and would soon overcome the late planting. The acreage of sweet corn and special varieties is about on an average with the last four years. Vine seed crops at Rocky Ford, Colo., are also backward and not so promising as a year ago at this time. At Waterloo the plantings are only well up and the prospects, barring wet weather, are good.

JACKSON, MICH., June 7.—S. M. Isbell & Co. say beans have not been planted yet, but will probably go into the ground in the next 10 days. Sweet corn is coming up in good shape, soil a little wet in some localities. Vine crops being planted, soil in fair condition. Radish crops look fair, although a little late. Maggots are doing some damage. Tomato plants had a poor start on account of cold, backward weather in May. Cut worms are doing some damage.

Connecticut Seed Crop.

Milford, June 2.—"It is rather early to give a reliable crop report," says the Everett B. Clark Seed Co. "Beans are only just going into the ground. Peas are, in the principal sections, just well started. While in some sections there are unfavorable conditions, we would say that peas, as a general rule, have a fair average start. However, during all the short crop years peas have promised well up to June 20, and it is always after that date that the deterioration occurs. Root crops and sweet corn here in Connecticut are starting off under fairly favorable conditions. It was dry for a time, but drouth has now been relieved, and we see no reason to apprehend other than normal returns, although there is a great deal of time between now and maturity of crop. It is fair to say at this early date that there are no adverse conditions apparent."

Orange, June 3.—S. D. Woodruff & Sons say they have experienced an abnormally cold, dry spring, except the very early part of April, which was excessively wet. There was no rain in May until the last week, when a heavy shower occurred. Kale, with a greatly reduced acreage, is looking exceptionally fine and should produce a full crop. The turnip acreage is very light and the crop is light as well. Beet started unusually late and crops look only fair; the acreage is greatly increased. Onion shows a somewhat increased acreage and the crop looks exceptionally well. The sweet corn acreage is about as usual and germination, the result of a timely rain, unusually good. The crop starts off under most favorable conditions.

WATERLOO, IA.—The Galloway Bros.-Bowman Seed Co. has moved its greenhouses from the Prospect Hills addition to land just south of their seed house. The houses will be enlarged to about twice their present capacity.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE.

Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

PEAS, BEANS, CUCUMBER

Growers for the Trade.

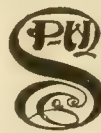
Ask for our growing prices for crop 1913
Peas, Beans and Cucumber Seed.

Also for prices for immediate shipment.

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.



BRASLAN SEED GROWERS CO., Inc.
SAN JOSE, CALIFORNIA

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers

SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS



Cineraria. Vaughan's Columbian Mixture.

Vaughan's Flower Seeds For Summer Sowing.

Asparagus Plumosus Nanus.

Per 100 seeds, 50c; 250 seeds, \$1.00; 1000 seeds, \$3.00.

Asparagus Hatcherii. Finer heavier and more rapid grower than Plumosus. 100 seeds, \$1.00; 1000 seeds, \$9.00.

Asparagus Sprengeri. 100 seeds, 15c; 250 seeds, 25c; 1000 seeds, 75c; 5000 seeds, \$3.00; oz., 50c.

Calceolaria Hybrida.

Vaughan's Extra Choice Mixed. Our mixture is composed of the choicest selections of the tigered, marbled, spotted and variegated varieties. Trade pkt., (1000 seeds), 50c; 3 trade pkts. for \$1.35.

Cineraria.

Vaughan's Columbian Mixture. It consists of a mixture made up by ourselves of the choicest English, French and German strains and cannot be excelled in variety of colors, size, shape and substance of flowers and perfect habit of plant. Trade pkt., 500 seeds, 50c; 3 pkts., \$1.40.

Gloxinia Hybrida.

Vaughan's Columbian Mixture is made up by ourselves from the choicest spotted, tigered, edged, marbled and splashed sorts of the upright and horizontal type. Pkt., (1000 seeds), 50c; 3 pkts. for \$1.25. Our List of "Flower Seeds for Summer Sowing" now on the press; will be mailed shortly.

Vaughan's Seed Store

CHICAGO, ILL.

NEW YORK, N. Y.

Here is Your Chance Tuberoses

First class bulbs, 4 to 6-in., 75c per 100; \$7.00 per 1000.

Bedding Plants

Extra fine stock at reasonable prices.

Flower and Vegetable Seeds

For early summer planting.

Let us have your order.

James Vick's Sons
ROCHESTER, N. Y.

DAMMANN & CO.,

Seed Merchants to His Majesty the King of Italy
SAN GIOVANNI A TEDUCCIO, near Naples
Headquarters for **CAULIFLOWER** and **WHITE TRIPOLI ONION SEED**, (Crystal Wax), and all other **VEGETABLE and FLOWER SEEDS**
THE LARGEST GROWERS IN ITALY.
Established 1877.

Wholesale Catalogue in English, (containing also all Italian specialties). Special Offers and Italian Catalogue on application.

Freesia Bulbs

No. 1, 1/2 inch and up \$5.50 per 1000
No. 2, 3/8-inch and up 3.50 per 1000
June delivery—Orders filled in rotation.
F. O. B. Los Angeles.

MORRIS & SNOW SEED CO.
425 South Main St., Los Angeles, Cal.

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Lily of the Valley Pips

WE have on hand a few cases of Lily of the Valley Pips, (3000 to case) Berlin and Hamburg, which we offer at \$32.00 Per Case (of 3000).

J. M. Thorburn & Co

53 Barclay St.

New York

Francesco Bulleri

Purveyor to the Royal family of Italy.
SCAFATI (near Pompei) ITALY.

NOVELTY FLOWER SEEDS—BULB AND PLANT PRODUCTIONS.

PETUNIA, PANSY, CINERARIA, and a great variety of other seeds. Write for price list and send orders to **V. SHAKETANO**, 50 West 30th Street, NEW YORK, agent and representative for the United States.

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Western Seed & Irrigation Co.

Wholesale Seed Growers and Dealers

SPECIALTIES:

Sweet, Flint and Dent Corn; Cucumber,
Musk and Watermelon; Pumpkin and
Squash.

FREMONT : NEBRASKA

ROEMER'S Superb PANSIES

The finest strain of Pansies in the World. Introducer and Grower of all the leading Novelties. Highest Award International Exhibition, Dusseldorf, 1905. Catalogue free on application.

FRED. ROEMER, Seed Grower,
Quedlinberg, Germany

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

THE prospective trucker in search of a location will find much useful information in "Truck Soils of the Atlantic Coast Region," contributed to the Yearbook of Agriculture by Jay A. Bonsteel.

Prices of Indoor Fruits and Vegetables.

Chicago, June 9.—Mushrooms, 35 cents to 65 cents per pound; lettuce, 10 cents to 20 cents, small cases; radishes, \$1.00 to \$1.50 per 100 bunches; cucumbers, 65 cents to 85 cents per box of two dozen; asparagus, 75 cents to \$1.25 for 24 bunches.

New York, June 7.—Cucumbers, 30 cents to 75 cents per dozen; mushrooms, 30 cents to \$1.50 per 4-pound basket; tomatoes, 6 cents to 12 cents per pound; radishes, \$1.50 to \$2 per barrel; rhubarb, 50 cents to \$1.00 per 100 bunches; lettuce, 50 cents to \$2.00 per basket, crate or barrel.

Yonkers, N. Y.

The florists and nurserymen of the city seem prosperous and no branch of the trade is more noteworthy than the nurseries, much of their stock being sold to supply local trade. The Yonkers Nursery Co., of which F. W. Smythe of Wadley & Smythe, New York, is proprietor, has about 100 acres of its own and 40 acres of leased land. There is about 40,000 square feet of glass, much of which shelters their large stock of palms, though there is a variety of other stock. Bay trees, boxwood and English ivy are very noticeable. A striking feature of the nursery at present is an immense number of rhododendrons in bloom.

One of the very interesting men in the trade is Charles Ammann, who has a record as a florist and nurseryman, in New York city and here, dating back over fifty years. He can remember New York city when its florists numbered less than half a dozen and he says it was hard for them to make a living. He retired from the retail business in New York several years ago and has since devoted his attention to his large nursery. This nursery is 120 acres in extent and contains a fine variety of stock, noteworthy being 10,000 Norway maples. There are several greenhouses filled with a variety of stock.

Henry L. Buntleman is another New York florist who has erected greenhouses, established a nursery and now makes his home here, though he yet has a retail store in New York which does a large business.

At Peter Macdonald's store, No. 2 Main street, we found business very active, particularly in plants. A good seed business is also carried on at this store.

The Milliot store, 18 North Broadway, is prosperous and a considerable glass area has recently been added to the greenhouses.

J. R. Raymaster, formerly a retailer, has retired to engage in other business.

J. P. Shelley, who has greenhouses at Tuckahoe, now has a retail store at 229 South Broadway.

A. F. F.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, vergreens, Roses, Rhododendrons, Vines and Climbers, Spring Bulbs and Roots, Conifers, Pines.

English Ivy

4 ft. bushy, 4 inch pots.....\$15.00 per 100
4 and 5 ft. bushy, 4½ inch pots 20.00 per 100

Good value for window effect.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

SPECIAL PLANT OFFERS

Being in need of bench space occupied by these plants we offer them at reduced prices.

Roses

2½-inch pots. Per 100

American Beauty.....\$3.50
Richmond..... 3.00
Prince de Bulgarie (Mrs. Taft) 4 00

BENCH PLANTS. Per 100 Per 1000

Kaiserin.....\$3 00 \$25 00
Pink Killarney..... 3.00 25.00
White Killarney..... 3.00 25.00

Chrysanthemums

From 2½-in. pots. Strong healthy plants.

Per 100.
White Tousest \$2.00
Early Snow..... 2.00
Timothy Eaton 2 50
Robert Halliday 2.00
Golden Glow 2.00
Amorita 2.50

The above stock will be sold at \$1.50 per 100 when orders call for 500 or more.

J. A. BUDLONG,

82-86 East Randolph Street,
CHICAGO.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$8.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Vegetable Plants.

CELERY—Golden Self Blanching, 40c per 100; \$2.50 per 1000.

White Plume, Golden Heart, Giant Pascal, 20 cents per 100; \$1.00 per 1000.

PARSLEY—25 cents per 100; \$12.50 per 1000.

CABBAGE—Allhead, Ballhead, Flat Dutch, Savoy, 20 cents per 100; \$1.00 per 1000.

R. VINCENT, JR., & SONS CO., WHITE MARSH, MD.

HARRISBURG, PA.—Demonstrations in spraying being conducted by Prof. H. A. Surface throughout the state are causing a renewed interest in horticulture.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

trade Mark. American Spawn Co., St. Paul, Minn.

OTTAWA, ILL.—The Davis-Harrison Co. will build a new greenhouse 65 x 900 feet, more than doubling its present capacity. Last fall this firm erected a house 60 x 800 feet.

"Eventually -- Why Not Now"

IS THE WAY A CERTAIN ARTICLE IS WIDELY ADVERTISED.

"Eventually" You will have to Grow "MRS. GEO. SHAWYER ROSE."

Why not buy a few plants "Now," when we can deliver the same in first class condition for immediate planting. 4-in. stock at \$30.00 per 100; \$250.00 per 1000.

Milady, the new red. Own root stock. \$30.00 per 100; \$250.00 per 1000. **Pink** and **White Killarney**, **Richmond**, **Taft**, **My Maryland**, **American Beauty**, 4-in. stock, \$12.00 per 100; 3-in. stock, \$10.00 per 100. **Bon Silene**, 3-in. stock, \$10.00 per 100.

Chrysanthemums

The "Cap Family," and other varieties equally adapted for pot plants at \$10.00 per 100.

POMPOMS. Our selection, \$3.00 per 100; \$25.00 per 1000.

STANDARD VARIETIES. **Unaka**, **Gloria**, **Col. Appleton**, **Wells' Late Pink**, etc., etc., \$25.00 per 1000 for 2½-in. pot plants.

CHAS. H. TOTTY,

Madison, N. J.

ENCHANTRESS SUPREME DAILED OUZE BROS.

Lenox Road and Troy Ave.,
BROOKLYN, N. Y.

Mention the American Florist when writing

THE Storrs & Harrison Co.

PAINESVILLE NURSERIES
CATALOGUES AND PRICE LISTS
FREE ON APPLICATION

PAINESVILLE, - OHIO

Mention the American Florist when writing

Robert Craig Co...

High
Class **PALMS**

and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

Mention the American Florist when writing

John Bader Co.

B. L. ELLIOT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Mention the American Florist when writing

Geraniums and Asters

Summer prices for good strong-rooted cuttings of Geraniums. **Ricard**, \$12.50; **Nutt** and **Poitevine**, \$10.00 per 1000.

Asters, shell pink, white and rose at \$3.00 per 1000, mixed at \$2.50 per 1000.

Smilax, Extra fine this season—\$1.50 per 100; 250 or over at \$1.25 per 100.

ALBERT M. HERR, Lancaster, Pa.

F. F. SCHEEL

SHERMERVILLE, ILL.

Wholesale Grower of Cut Flowers, Pot
Plants and Nursery Stock.

Elmer D. Smith & Co.,

167 W. Maumee St.,

ADRIAN, - - MICH.

See our Advertisement on page 1142.

BOXWOOD

For Sizes, Prices and variety—see our
Display Adv. in American Florist Apr. 12-19.

F. O. FRANZEN,
1476 Summerdale Avenue,
CHICAGO - - - ILLINOIS.

CARNATIONS

F. DORNER & SONS CO.,
LaFayette, - - Indiana

THE BOOK OF GLADIOLUS



THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, \$1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.

Move your Surplus Stock Now by
Advertising in The American Florist

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.



Thos. B. Meehan.

President American Association of Nurserymen.
"All Aboard for Portland."

PORTLAND, ORE.—The annual rose festival opened here June 9.

SYRACUSE, N. Y.—The F. W. Brow Nursery Co. has incorporated, capital stock \$25,000.

INDIANAPOLIS, IND.—The Indiana State Horticultural Society will hold its annual summer meeting August 20-21 at Centerville.

ST. PAUL, MINN.—The annual mid-summer meeting of the Minnesota Horticultural Society will take the form of a picnic at the University farm, June 20.

BEVERLY FARMS, MASS.—The old Pierce nursery business has been re-organized by F. E. Cole and will hereafter be known as the North Shore Nursery Co.

EAU CLARE, WIS.—The Wisconsin State Horticultural Society, which was organized in 1865 and chartered in 1871, is making strenuous efforts to increase its membership, which is now nearly 2,000.

Taunton, Mass.

The Taunton Greenhouses had a fine Memorial day business, both in plants and cut flowers. Taunton is one of the old and patriotic cities of the state and its citizens are among the foremost in honoring the memories of their dead. At the store of E. F. Rose it was said that business was excellent. Mr. Rose, in addition to his store at 100 Bay street, has a considerable glass area in another part of the city.

Near Taunton we noticed what seemed a curiosity in the shape of a large spruce tree around which a wistaria had twined itself to the topmost branches, both seeming strong and healthy.

A. F. F.



Mad. Cecil Brunner

The Baby of the Rose Family and the sweetest yet. Creating a whirlwind in every flower shop wherever shown from Atlantic to Pacific.

For cut flowers, for use in pots, bedding, hedges, etc. Hardy and a continuous bloomer; forces well. We can supply both in **Bush** and **Climbing**. **Young Plants** and **Field Stock**. Place your orders now for fall delivery.

California Rose Co., Pomona, Cal.

Largest Growers Everblooming Field Roses in the World.

See to it that you get on our mailing list for wholesale catalogues.

NORTH CAROLINA NATURAL PEACH PITS.

We have a limited stock of 1912 crop. The seed have been kept in good storage and are in first-class condition, and are all genuine North Carolina natural pits.

Write Us for Prices.

J. K. MORRISON GRO. & PRO. CO., Statesville, N. C.
Successors to Morrison Prod. & Prov. Co.

Jackson & Perkins Company

NEWARK, NEW YORK

Wholesale growers for the trade—
trees and plants of all kinds.

SEND FOR LIST.

EVERGREENS, HEDGES AND HARDY PHLOX

Are my specialties.

I grow these by the acre. Please get my prices and try some of my stock.

ADOLF MULLER
DeKalb Nurseries NORRISTOWN, PA.

New Rochelle, N. Y.

J. H. Troy of the Rosary floral establishment has here a nursery which shows a good variety of shrubbery.

Thomas Skinner, a young man formerly connected with private estates at Buffalo, has taken the greenhouses on Palmer avenue, near Larchmont station, and will conduct the Mamaroneck nurseries at the same place. He has also a retail store in Mamaroneck.

A. F. F.

ROSE BUYERS

Please note that we will mail you a free copy of our Wholesale Trade Catalogue containing descriptions and prices of hundreds of rose trees including very newest varieties. Kindly send for same from

THE EAST END NURSERIES CO.,
Rose Specialists, BOSKOOP, HOLLAND.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,
P. O. Berlin N. J. Williamstown Junc., N. J.
Mention the American Florist when writing

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Mention the American Florist when writing

BEDDING PLANTS.

Petunias, single fringed all colors from choice seed,

3-inch.....\$ 5 00
4 inch.....8 00

Recinus (Castor Bean) strong.....4 inch, per doz., \$1 50

Alternantheras, red and yellow, strong, 2½-inch.....2 50

Asparagus Sprengeri and Plumosus Nanus, 2¼-inch strong.....3 00

Asparagus Sprengeri, 3-inch.....5 00

Ageratum, dwarf blue, 2¼-inch.....2 50

3-inch.....5 00

4-inch.....8 00

Begonia, Tuberous rooted, strong 4-inch, all colors, double and single, per doz. \$2 00

Begonia Luminosa, for bedding, strong, 3-inch, \$5 00 per 100.....2½ inch, 2 50

Cobaea Scandens, strong 4-inch.....per doz., \$1 50

Celosia, (Cock's Comb), dwarf.....\$2 00 and 3 00

Coleus in variety, 2¼-inch, \$2 50 per 100; 3-inch.....5 00

Grevillea Robusta (silk oak) 2¼-inch, strong.....2 50

Ivy, English.....2½-inch, \$3 00 per 100; 4-inch 12 00

Lobelia, Speciosa and Crystal Palace Comp.....2 50

Marguerite, Mrs. F. Sanders, double white.....3-inch, \$6 00; 4-inch, 12 00

Primulas, 2½-inch, best varieties.....3 50

3-inch, strong.....\$5 00 to 6 00

Salvia, Bonfire and Zurich, elegant stock from cuttings, 2½-inch.....2 50

3-inch.....5 00

4-inch.....10 00

Palms

Kentias Belmoreana and Forsteriana, immense stock of perfect plants in all sizes from 4-in. to 10-in. plants, at prices ranging from \$4.50 per dozen to \$12.50 each, according to size.

Table Ferns—10 Varieties

2½-in. pots, \$3.00 per 100; \$25.00 per 1000.

3-in., strong, \$6.00 per 100; \$55.00 per 1000.

HYDRANGEAS

From now until June 15 we offer a choice lot of Hydrangeas in full bloom, at from 25c, 35c, 50c, 75c each. Also a large supply of decorative plants, palms and table ferns.

Asparagus Hatcheri, strong, 2¼ in., \$2.50 per 100; Primula Obconica Grand., strong, 2½ in., \$3.00 per 100; \$25.00 per 1000.

Ficus Pandurata, strong, 6-in., \$3.50 each.

Ficus Elastica, strong, 6-in., 75c to \$1.00 each.

Dracaena Massangeana, well colored, 6-in., \$1.00 to \$1.75 each.

Pandanus Veitchii, highly colored, 5-in., \$1.00 each; 6-in., \$1.25 each; 7-in., \$2.00 each.

Umbrella Plants, ready to shift, 2½ in., \$3.00 per 100.

Berried Plants

Jerusalem Cherries for field planting, strong, 2½ in., \$3.00 per 100; \$25.00 per 1000.

Fra Diavola, a fine plant to grow in field for Xmas sales; full of berries, \$3.00 per 100; \$25.00 per 1000.

Cluster Peppers, strong, 2½ in., \$3.00 per 100.

Celestial Peppers, an indispensable Xmas plant, strong, 2½ in., \$3.00 per 100; \$25.00 per 1000.

Smilax

Per 100 Per 1000

Strong new stock, 2¼-inch.....\$2.50 \$22.00

3-inch.....5.00 45.00

POEHLMANN BROS. CO.

MORTON GROVE

Plant Department

ILLINOIS



LILIES

FOR

Summer Forcing

Make the Empty Benches Pay
By Growing a Case of Each.

Lilium Rubrum.

8-9-in. (170 to case) per case, - \$8.50

9-11-in. (100 to case) per case, - \$8.00

Lilium Album.

9-11-in. (100 to case) per case, - \$11.00

Lilium Giganteum, 9-10-in. (200 to case) per case, - - \$17.00

Vaughan's Seed Store,

CHICAGO.

NEW YORK.

Florists' Fertilizers

Conducted by F. W. Muncie,
Dept. of Floriculture, University of Illinois.
Inquiries regarding fertilizers and manures
are solicited for this department. Address
all inquiries to THE AMERICAN FLORIST,
440 South Dearborn street, Chicago.

Soil Types.

The Agronomy Department of the University of Illinois under the direction of Dr. C. G. Hopkins has carried on an extensive survey of the soil types of Illinois and determined by analysis the average plant food content of each. The names of the more important types and their approximate content of nitrogen and phosphorous are given because they have a bearing upon floricultural problems*. The gray silt loam soil covering the greater part of Illinois south of Edgar, Coles and Moultrie counties and south and east of the Kaskaskia river to the Ozark hills contains an average of 1,440 pounds of nitrogen and 420 pounds of phosphorous per million pounds of soil. The brown silt loam (the common corn belt land) of central and northern Illinois contains from 2,200 to 3,400 pounds of nitrogen and 600 to 700 pounds of phosphorous per million. The black clay loam composing the flat prairie lands of central and northern Illinois run from 2,700 to 4,500 pounds of nitrogen and 700 to 1,000 pounds of phosphorous per million. The yellow fine sandy loam (the lowest deposits along the Mississippi, Illinois and Kaskaskia rivers) average 1,100 pounds of nitrogen and 480 pounds of phosphorous per million.

Of bottom lands the gray silt loam of old bottoms averages 1,800 pounds of nitrogen and 700 pounds of phosphorous as compared with an average of 2,400 pounds of nitrogen and 800 pounds of phosphorous per million in the late bottom lands. Deep peat from swamps contains as high as 17,500 pounds of nitrogen and 980 pounds of phosphorous in a volume equal to 1,000,000 pounds of other soils, and sand averages about 720 pounds of nitrogen and 400 pounds of phosphorous in the same volume. These figures are arranged for reference in the table below:

Type.	Approximate Content Nitrogen	Phosphorus
Gray silt loam (on light clay)	1440	420
Brown silt loam	2200 to 3400	600 to 700
Black clay loam	2700 to 4500	700 to 1000
Yellow fine sandy loam.	1100	480
Old bottom lands.	1800	700
Late bottom lands	2400	800
Deep peat	17500	980
Sand	720	400

The amount of nitrogen may be estimated roughly by the color, the content increasing as the other darkens. Sandy soils with a certain content of nitrogen are darker in color than clay soils of the same content. The type of soil which the florist is using may be determined by sending a sample to the Floricultural Department of the University of Illinois, together with an exact statement of the location of the land from which it was obtained, as well as its average composition established from the large number of samples of the type which

*The figures for plant food content given in the table are approximate ones taken from "Soil Fertility and Permanent Agriculture" by Dr. C. G. Hopkins.

SEASONABLE PLANTS

Plants from 2½ inch pots \$3.00 per 100.

Asparagus Plumosus, **Asparagus Sprengeri**; **Parlor Ivy**; **Phlox**, **Drummondii** dwarf; **Ageratum**; **Euonymus**, **Radicans** var.; **Euonymus**, golden variegated; **Hydrangea Otaksa**; **Bridal Myrtle**; **Swainsona Alba**; **Artillery Plant**; **Coleus**, **Verschaffeltii**, **Golden Bedder**; **Moonvine**, large flowering white; **Lemon Verbenas**.

Plants from 3 inch pots, \$4.00 per 100.

Ampelopsis Veitchii; **Ivy**, hardy English; **Pasion Vine**, **Kentia Belmoreana**, 3 in. pots, 3-4 leaves, \$1.50 per doz.

Myrtle Plants, the real bridal Myrtle, 4 in. pots, \$1.50 per dozen; 3 in. pots, \$1.00 per dozen.

Passion Vine, 4 inch pots, 10c each.

Honeysuckle Halleana, 4 in. pots, \$1.50 per doz.

C. EISELE,
11th and Westmoreland Streets
PHILADELPHIA, PA.

ASPARAGUS

PLUMOSUS, 2¼-in. pots, ready Per 100

July 1.....\$2 00

SPRENGERI, 2¼-in. pots, ready

July 1.....2 00

PRIMROSES

CHINESE OBCONICA, Babies, Per 100

July 10.....\$2 00

PANDANUS VEITCHII, 6-in. pot, ea. 1 00

PANSY SEED, New Crop, Giant

Flowering.....per oz. \$4 00

CASH.

JOS. H. CUNNINGHAM, Delaware, Ohio

have been analyzed. With these figures in mind, the amounts of nitrogenous fertilizer recommended by the Floriculture Department of the University of Illinois and based on experiments carried out on brown silt loam may be varied to conform with the varying nitrogen content in the types of soil. On a light colored one the application may be safely increased by one-half, while care should be used not to increase the application if the florist is using a black clay loam (having a higher nitrogen content than the brown silt loam) for fear of overfeeding.

Sedalia, Mo.

The Archias Floral Co. of this city last week purchased of the Jackson estate the entire block between Fifth and Sixth streets and Carr and Sneed avenues. This is one of the most desirable blocks in the west end and lies just across the street from the company's carnation range, and on which a range of greenhouses will be erected for the growing of roses exclusively. This firm is also having plans drawn for a modern stone and terra cotta office building, two stories with basement, equipped with refrigerators and every modern convenience, to be erected at once on the site of the present office with conservatory in the rear. The above and other needed improvements, when completed, will more than double the present capacity. An uptown store will also be erected as soon as the present tenant's lease expires. The capital stock will be increased and has been spoken for by the following well-known citizens: Dr. E. F. Yancey, C. C. Kelly, E. G. Cassidy and Dr. W. J. Ferguson.

CALDWELL, N. J.—The Aubry Floral Co. of this place has incorporated; capital stock, \$25,000. The incorporators are W. A. Aubry, P. J. Schreder and S. F. Aubry.

ROSES

Best new and Standard sorts, prime stock, including—

	2½-inch.	4-in.
American Beauty.....	Doz. 100 1000 100	
Blumenschmidt.....	Doz. 100 1000 100	
Bougere.....	Doz. 100 1000 100	
Duchesse de Brabant.....	Doz. 100 1000 100	
Etoile de Lyon.....	Doz. 100 1000 100	
Mlle. Francisca Kruger.....	Doz. 100 1000 100	
Marie Van Houtte.....	Doz. 100 1000 100	
Safrano.....	Doz. 100 1000 100	
White Maman Cochet.....	Doz. 100 1000 100	
William R. Smith.....	Doz. 100 1000 100	
Queen's Scarlet.....	Doz. 100 1000 100	
Burbank, Bourbon.....	Doz. 100 1000 100	
Gruss an Teplitz, Hy. Ben.....	Doz. 100 1000 100	
Mosella (Yellow Souper).....	Doz. 100 1000 100	
Mignonette.....	Doz. 100 1000 100	
Anny Muller.....	Doz. 100 1000 100	
Jeanne d'Arc.....	Doz. 100 1000 100	
Mrs. Taft.....	Doz. 100 1000 100	
Orleans.....	Doz. 100 1000 100	
Phyllis.....	Doz. 100 1000 100	
Zelia Bourgeois.....	Doz. 100 1000 100	
Bessie Brown.....	Doz. 100 1000 100	
Eugene Bouliet.....	Doz. 100 1000 100	
Helen Gould (Balduin).....	Doz. 100 1000 100	
Jacob's Perle.....	Doz. 100 1000 100	
Lady Pirrie.....	Doz. 100 1000 100	
Mme. Abel Chateau.....	Doz. 100 1000 100	
Mme. Jenny Guillemot.....	Doz. 100 1000 100	
Mme. Jules Grolez.....	Doz. 100 1000 100	
Radiance.....	Doz. 100 1000 100	
Kena Robbins.....	Doz. 100 1000 100	
Ball of Snow.....	Doz. 100 1000 100	
Hugh Dickson.....	Doz. 100 1000 100	
J. B. Clarke.....	Doz. 100 1000 100	
Gen. Jacqueminot.....	Doz. 100 1000 100	
Paul Neyron.....	Doz. 100 1000 100	
Prince de Rohan.....	Doz. 100 1000 100	
Robert Duncan.....	Doz. 100 1000 100	
Vick's Caprice.....	Doz. 100 1000 100	
New Century.....	Doz. 100 1000 100	
Sir Thos. Lipton.....	Doz. 100 1000 100	
Aviateur Bleriot.....	Doz. 100 1000 100	
Bordeaux.....	Doz. 100 1000 100	
Clg Am. Beauty.....	Doz. 100 1000 100	
Dor. Perkins.....	Doz. 100 1000 100	
Excelsa.....	Doz. 100 1000 100	
Everblooming Cr. R.....	Doz. 100 1000 100	
Flower of Fairfield.....	Doz. 100 1000 100	
Graf Zeppelin.....	Doz. 100 1000 100	
Lady Gay.....	Doz. 100 1000 100	
Phil's Cr. Rambler.....	Doz. 100 1000 100	
Sweetheart.....	Doz. 100 1000 100	
Tausendschoen.....	Doz. 100 1000 100	
White Dorothy.....	Doz. 100 1000 100	
Wichuriana.....	Doz. 100 1000 100	
Clg Souper.....	Doz. 100 1000 100	
Clothilde Souper.....	Doz. 100 1000 100	
Mary Washington.....	Doz. 100 1000 100	
Marechal Niel.....	Doz. 100 1000 100	

THE LEEDLE FLORAL COMPANY,
SPRINGFIELD, OHIO.

GRAFTED ROSES

I have a few 100 each of the following varieties of early grafted roses now in 3x4 in. pots Extra strong and healthy at \$10.00 per 100. These plants should not be compared with 2½ inch stock that has not been re-potted.

KAISERIN, WHITE KILLARNEY and KILLARNEY

Return stock at my expense if not satisfactory

W. W. GOLES, Kokemo, Ind.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins Poitevine, 2-in., \$2.00 per 100; 3-in., \$3.00 per 100, Boston and Whitman Ferns, 3-in., 10c; 4-in., 15c; 5-in., 25c.
Dracacna Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
Vinca Var., 3-in., \$5.00 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, **Scarlet Sage**, **Lemon Verbenas**, **Cigar Plant**, **Coleus**, **Alternanthera**, red and yellow; **Ageratum**, blue; **Verbena**, **Salvia**, **Zurich**; **Aster**, 2-in., \$2.00 per 100.

Cash with order,
GEO. M. EMMANS, Newton, N. J.

BEST GRAFTED ROSE STOCK

Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000; \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill. Killarney Queen, \$15.00 per 100; \$120.00 per 1,000.

BEST OWN ROOT STOCK

Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6.00 per 100, \$55.00 per 1,000. Richmond, 2½-in., \$5.00 per 100; \$45.00 per 1,000. White Killarney, 2½-in., \$5.50 per 100; \$50.00 per 1,000.

Prices Reduced 20%

On CHRYSANTHEMUM CUTTINGS, 2½-in. Stock of the Following Varieties:

	R. C. per 100	1000	2½-in. per 100	1000
YELLOW				
Comoleta,	\$3.00	\$25.00	\$4.00	\$35.00
Best Early Yellow, Blooms September 27.				

	R. C. per 100	1000	2½-in. per 100	1000
Golden Glow,	\$3.00	\$25.00	\$4.00	\$35.00

	R. C. per 100	1000	2½-in. per 100	1000
WHITE				
October Frost,	\$2.50	\$20.00	\$3.00	\$25.00

	R. C. per 100	1000	2½-in. per 100	1000
PINK				
Patty,	\$3.00	\$25.00	\$4.00	\$35.00
Beautiful Enchantress Pink, fine strong grower, (3½-in., per 100, \$5.00).				

	R. C. per 100	1000	2½-in. per 100	1000
Unaka,	\$4.00.	\$35.00	\$5.00	\$45.00

Earliest Pink, first week of October.

When ordering deduct 20% from advertised prices in the above five varieties of Chrysanthemum cuttings only. Our unlimited facilities for handling immense quantities enables us to make this cut in prices without reducing the well-known quality of our extra fancy stock.

200,000 Cuttings of the following varieties left, so order your supply now.

	R. C. per 100	1000	2½-in. per 100	1000
WHITE				
Alice Byron.....	2 50	20 00	3 00	25 00
Timothy Eaton.....	2 50	20 00	3 00	25 00
W. H. Chadwick.....	3 00	25 00	4 00	35 00
YELLOW				
Halliday.....	2 50	20 00	3 00	25 00
Chrysolora.....	5 00	40 00	6 50	60 00
Best Yellow Money Maker, blooms Oct. 5 to 10				

	R. C. per 100	1000	2½-in. per 100	1000
YELLOW				
Col. Appleton.....	2 50	20 00	3 00	25 00
Crocus.....	4 00	35 00		
Dolly Dimple.....	3 00	25 00		
Major Bonaffon.....	2 50	20 00	3 00	25 00
Immense stock, still one of the best.				

	R. C. per 100	1000	2½-in. per 100	1000
PINK				
McNiece.....	2 50	20 00	3 50	30 00
Maud Dean.....	2 50	20 00	3 50	30 00
Dr. Enguehard.....	2 50	20 00	3 50	30 00
RED				
Schrimpton.....	2 50	20 00	3 00	25 00
BRONZE				
O. H. Kahn.....	4 00		5 00	
We can supply large quantities of the above.				

Look! Another Great Reduction.

40,000 POMPONS—Must be Sold At Once—2½-in., \$3.00 per 100; 3-in., \$5.00 per 100, while they last. First come, first served.

YELLOW		
Krut		
Emo		
West Lake		
Mike Gabel		
Quinola		
WHITE		
Elva		
Newbury		
Baby Margaret		
Diana		

SKIBO	
Madge	
Klondyke	
Baby	

WACO	
Menso	
Lula	

BRONZE		
M. D. LaPort		
PINK		
Nellie Bly		

SINGLES

YELLOW		
Christina Scull		
Parkington		
ALLAN CARTER		

SINGLES—Cont'd.		
WHITE		
Kemmit		
Grace Burke		
PINK		
Mrs. John Fisher		
Gertrude Wilson		
BRONZE		
Ida Kroeschell—This is a single		
Anemone		
Dark Single Bronze		

POMPON CUTTINGS—CHOICE STOCK, \$20.00 per 1000.

POEHLMANN BROS. CO., Morton Grove, Ill.

J. E. MEREDITH, PRES. C. W. STOUT, Sec'y

The Meredith Flower and Vegetable Co.

LIBERTYVILLE :: ILLINOIS

Special Geraniums

3½-in. NUTT, GRANT and LAKE LAND, all Reds, at \$6.50 per 100, \$60 per 1000, Cash.

Geo. A. Kuhl, PEKIN, ILLINOIS.

SALVIA SPLENDENS and BONFIRE

Good Strong Plants from Soil. 60 cents per 100; \$5.00 per 1000.
Dracaena Indivisa, 2-inch.....\$2.00 per 100.
Geraniums, 2-inch.....1.85 per 100.
Cobea Scandens, 2-inch.....3.00 per 100.
Marguerite, Mrs. F. Sanders, 2 in. 2.00 per 100.
Double Alysum, 2 inch.....2.00 per 100.

ELMER RAWLINGS - - OLEAN, N. Y.

Christmas Peppers

New Chester Pepper, Branching New Chester Pepper, Celestial Pepper & Solanum Melvini. Strong plants, 2½-in. pots. \$3.00 per 100; \$25.00 per 1000. 500 or more at 1000 rates.

CHRYSANTHEMUMS—All the best varieties for bush form pot plants. Strong plants from 2½-in. pots, \$3.00 per 100. Cash with order.

Frank Oechslin, 4911 Quincy St. CHICAGO.

Primula Obconica, strong plants, in bud and bloom. 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengeri, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT. Bristol, Pa.

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL New York

Surplus of Aschmann's Choice Plants, Better Than Ever

Unequalled Money Maker.

After Decoration day all florists and growers have empty benches. What shall we do with them? Have them empty? Sure not, no prosperous florist thinks of such a thing. Don't have your money in the bank idle. Nothing in the world will pay you better than to invest in growing asters of the right kind, such as Godfrey Aschmann grows: the **Genuine Crego Aster**, with leaves and an abundance of large trusses and big flowers, suitable to cut. Used at banquets (when cut flowers are scarce), table decorations, funeral designs, etc. It is also an excellent aster for pot culture. We have it in separate colors, pink, white, shell pink, cardinal, blue and lavender. We are well provided for and can **meet the rush**. 50,000 strong, heavy plants, 2½ in. pots are ready for immediate shipment, now \$3.00 per 100; \$25.00 per 1000. Take the hint and consider what a big profit you can make by growing this aster, the Crego, for the latter part of July and in August your asters are ready to cut and bring a good price. Then what? Empty benches again, and you can raise another crop to replace the asters: this time for fall and Christmas trade, such as *Nephrolepis* Ferns of all varieties, *Poinsettias*, *Cyclamens*, *Rubbers*, *Chineses* or *Obconica*, *Primrose*, *Jerusalem Cherries*, *Begonia Gloire de Lorraine* or other winter blooming *Begonias*, *Rubbers*, *Solanums*, etc. This is what we call a live florist, a hustler utilizing every foot of your bench room to good advantage. If you want to be successful as a grower you must be wide-awake, and consider that you have to realize \$2.00 to \$3.00 for every square foot of space in your greenhouse.

Our improved dark red *Begonia Vernon* and our improved *Begonia Erfordii*, beautiful pink, has no equal. A bed of these *Begonias*, pink, the *Erfordii*, or the bright red improved *Vernon*, is a joy forever. Constant bloomers, stay always short and bushy, the hot rays of the sun have no bad effect on them. They can be grown in a sunny or shady place. We can sell you large 4-inch pot plants, either of the improved *Erfordii*, the beautiful pink, or the dark bright red improved *Vernon*, at \$7.00 per 100; 3-inch, \$5.00 per 100; 2½-inch, \$3.00 per 100; 5½-inch, plants, 25c each; big plants, 25 at 100 rate.

Araucarias OUR SPECIALTY

We have provided for the summer garden, the veranda and the porch with a fine lot of **Araucaria Excelsa** of our April 1912 importation, 6-7 inch pots, 4-5-6-7 tiers, 25-30-35-40 in. high; bushy, \$1.00, \$1.25 \$1.50 to \$2.00.



Don't Miss This Chance.

A Big Slaughter in our Moonvine, the **Ipomea Noctiflora**. To clean out we decided to sell our large 4 inch. (usual price 15c) at only 10c each or \$10.00 per 100. 2½ inch. look! only \$3.00 per 100, usual price \$5.00 per 100. We must have the room for our specialty the **Araucaria Excelsa**.

Ampelopsis Vetchii, our large pot grown, best that can be had, 15c, 20c, 25c each.

Heliotrope, best blue, 4 inch, 7c.

Ageratum, 4 inch, 7c.

Honeysuckle Halleana, Chinese evergreen, variegated, 4 inch, 10c.

Fuchsias, assorted, 4 inch, 7c.

Lemon Verbena, 4 inch, 7c; big plants.

Zinnia Elegans, 2½ inch, 3c.

Now is the right time to plant **Snapdragon** on Bushes.

Snapdragon or *Antirrhinum*, assorted colors, 2½ inch, \$3.00 per 100; very strong plants.

Tropeolum or *Nasturtium*, assorted colors, 4 inch, \$6.00 per 100; *Empress of India*, dwarf, dark red, bushy, 4 inch, \$7.00 per 100.

Cannas, best assortment, named separate colors, the best sorts, 7c, 8c, 9c, 10c. *King Humbert*, 4 in. 8c to 10c.

Araucaria Excelsa, new April, 1913 importation, 3, 4 and 5 tiers; 5, 5½ and 6 inch pots; 35c, 40c, 50c, 60c and 75c.

Robusta Compacta Glauca, big stock, 6-in. pots \$1.25 to \$1.50.

Coleus, fancy leaved, \$5.00 per 100.

Crimson Rambler Roses, 6 in. pots, suitable for outdoor planting, 3 to 4 feet high, 50c

Geraniums, 4 in. pots, **S. A. Nutt**, scarlet; **Buchner**, white; **E. G. Hill**, salmon; **Beaute Poitevine**, salmon; and assorted colors; **Scarlet Sage**, **Bonfire** and **Zurich**, 4 inch \$7.00 per 100.

Asparagus Plumosus, 2½ in., \$3.00 per 100 or \$25.00 per 1000.

Asparagus Sprengeri, 2½ in., \$4.00 per 100.

Small Plants.

Phlox, *Drummondii grandiflora*, assorted colors, 2½ in. pots, \$3.00 per 100.

Verbenas, assorted, 2½ in., \$3.00 per 100.

Petunias, *California Giants*, 3 in., best plants, \$5.00 per 100; double assorted, 4 inch, 7c.

Petunias, *Inimitable*, dwarf or compacta, \$3.00 per 100.

Tagetes, dwarf marigold, \$3.00 per 100.

Coleus, *Golden Bedder*, *Victoria*, *Verschaeffeltii*, and assorted, 2½ in., \$3.00 per 100. *Brilliancy*, 4 inch, 8c.

Thunbergia or black eyed Susan, 2½ in., \$3.00 per 100.

Lobelia, *Crystal Palace* compacta, dark blue, \$3.00 per 100.

PALMS, *Kentia Forsteriana*, 4 in., 25c to 35c; 5½, 5½, 6 in. pots, 25, 30, 35, 40 to 50 in. high, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50.

Cosmos, made up of 3 plants, 2½ inch pots, separate colors, white, pink, red, \$3.00 per 100.

Kentia Belmoreana, large, 4½ in., 25c to 35c; Made-up of 3 plants, 6 in. pots, 75c to \$1.00.

Clematis Paniculata, large, 5½ to 6 in., per dozen, \$2.00.

Neph. Scotti, 4 in., 15c to 20c; 5, 5½, 6, 7 in., 25c, 35c, 40c, 50c, 60c, 75c. **Whitmani**, small, 4 in., 20c; 5, 5½ in., 25c to 35c.

GODFREY ASCHMANN

1012 W. Ontario St.,
Philadelphia, Pa.

Shipping Labels for Cut Flowers

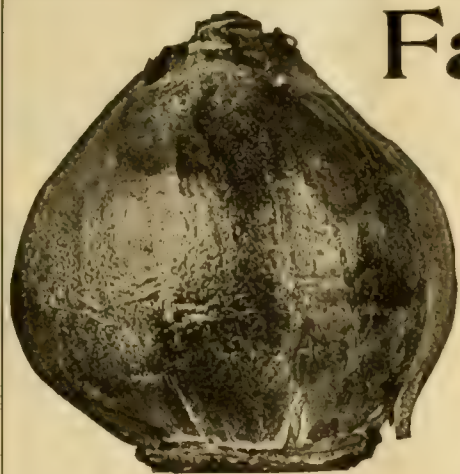
Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Size 6½x4½.



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Asparagus plumosus and Sprenger, 2½-in., \$3 per 100; \$25 per 1,000. James Vick's Sons, Rochester, N. Y.

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Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

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Bulbs, bedding hyacinths, white, red and blue, \$1.60 per 100; \$15 per 1,000. James Vick's Sons, Rochester, N. Y.

Bulbs, cold storage Giganteums, 7-9-in., 8-9-in., and 9-10-in. Yokohama Nursery Co., Ltd., 51 Barclay St., New York.

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Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

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CHRYSORORA, 2-in. pots, \$4 per 100; \$3 per 1,000; rooted cuttings, \$3 per 100; \$25 per 1,000.

WHITE BONNAFFON, DONATELLO, YELLOW IVORY, GLORIA, GLORY OF PACIFIC, NAGOYA, POLLY ROSE, ROMAN GOLD, PATTY, SMITH'S ADVANCE, PACIFIC SUPREME, MRS. H. ROBINSON, UNAKA, WHITE HELEN FRICK, from 2-in. pots, \$3 per 100; \$25 per 1,000; rooted cuttings, \$2.50 per 100; \$20 per 1,000.

Pompons, anemones, singles and exhibitions. Not less than 25 of a kind at 100, 250 of a kind at 1,000 rate. Those desiring less than 25 plants of a kind will be quoted on application. For type, color and flowering season, refer to our 1913 catalogue.

ELMER D. SMITH & CO., ADRIAN, MICH.

ROOTED POMPONS.

	Per 100
Baby Margaret	\$1.50
Baby Yellow	1.50
Lulu	1.50
Quinola	1.50
Sonoria	1.50
Mrs. F. Beu	1.50
Klondyke	1.50

Cash with order or C. O. D.

JOS. SCHOOS,

519 Asbury Ave. Evanston, Ill.

HEADQUARTERS.**Chrysanthemums, Rooted Cuttings.**

WHITE.	Per 100
Snow Queen	\$2.00
White Ivory	2.00

YELLOW.

Dolly Dimple	2.50
Halliday	2.00

PINK.

Maud Dean	2.00
Dr. Enguehard	2.00
Pink Ivory	2.00

POMPONS.

WHITE.	Per 100
Diana	\$2.00
Baby Margaret	2.00
Lulu	2.00

YELLOW.

Baby	2.00
Pretoria	2.00

PINK.

Ladysmith	2.00
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CUT BACK CHRYSANTHEMUM PLANTS.

WHITE.	Each
W. Chadwick	2½c
Eaton	2½c
Embera	2c
Alice Byron	2c
Snow Queen	2c
Early Snow	2c
Lynwood Hall	2½c
Mrs. Chas. Razer	2½c
Arleta Dubois	2c
October Frost	2c
Touset	2c
Mrs. Buckbee	2c

YELLOW.

Golden Chadwick	2½c
Bonnafton	2c
Yellow Eaton	2½c
Dolly Dimple	2½c
Golden Glow	2c
Golden Eagle	2c
Halliday	2c
Nagoya	2c
Appleton	2c

PINK.

Dr. Enguehard	2c
Balfour	2c
Maud Dean	2c
Rosette	2c
Rosiére	2c

RED.

Intensity	2c
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CUT BACK POMPONS.

WHITE.	Each
Baby Margaret	2c
Diana	2c

YELLOW.

Quinola	2c
Baby	2c
Pretoria	2c

PINK.

Ladysmith	2c
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BRONZE.

Mrs. Beu	2c
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WIETOR BROS.

162 N. Wabash Ave. Chicago.

CHRYSANTHEMUMS.**ROOTED CUTTINGS—READY NOW.**

\$1.50 per 100; \$12.50 per 1,000.

White.	White.
Oct. Frost	Silver Wedding
Early Snow	Yanoma
C. Touset	Yellow.
F. Poehlmann	Monrovia
White Cloud	Halliday
Des Jonis	Appleton
Queen	Golden Wedding

MEMPHIS FLORAL CO.,

MEMPHIS, TENN.

CHRYSANTHEMUMS.

From sand or transplanted.

	Per 100	Per 1,000
WHITE—Estelle, early.....	\$1.25	\$10.00
Silver Wedding, late.....	1.25	10.00
Bonnafton, late	1.25	10.00
YELLOW—Ivory, late	1.25	10.00
Major Bonnafton, late.....	1.25	8.00
PINK—Glory Pacific, early.....	1.25	10.00
Pacific Supreme, early.....	1.25	8.00

250 at 1,000 rate. Cash with order, please. This is extra fine stock, well rooted and true to name. Guaranteed satisfaction. Try my stock.

E. E. CRONISE, BOONSBORO, MD.

Chrysanthemums, "Cap Family" and other varieties, \$10 per 100. Pompons, our selection, \$3 per 100; \$25 per 1,000. Standard varieties, Unaka, Gloria, Col. Appleton, Wells' Late Pink, etc., \$25 per 1,000 for 2½ in. pot plants. **Chas. H. Totty, Madison, N. J.**

Chrysanthemums, from 2½-in. pots at 2½c, Rosiere, Bergman, White Eaton. From 2½-in. pots at 3c. Chrysolora, the finest early yellow grown. We have a large stock. From sand at \$2 per 100; \$15 per 1,000. Rosiere, Bergman, Touset, Oct. Frost, Robinson, White Eaton, Yellow Eaton, Unaka, Minnie Baily, Mary Foster. Chrysolora, the best early yellow, at \$2.50 per 100; \$20 per 1,000. **Joy Floral Co., Nashville, Tenn.**

Chrysanthemum cuttings, from sand and soil as follows: White—Estelle, Smith's Advance, Oct. Frost, Ivory, Pres. Taft. Yellow—Golden Glow, Yellow Ivory, Yellow Eaton. Pink—Glory Pacific, Pink Ivory, Minnie Bailey, \$1.25 per 100; \$12 per 1,000. **D. H. Green, Boonsboro, Md.**

Chrysanthemums, Chrysolora and Chas. Razer, rooted cuttings in lots of 50 of a variety, \$20 per 1,000. **A. N. Pierson, Inc., Cromwell, Conn.**

Chrysanthemums, rooted cuttings and 2½-in. For varieties and prices see advertisement elsewhere in this issue. **Poehlmann Bros. Co., Morton Grove, Ill.**

Chrysanthemums, the best commercial varieties, out of 2½-inch pots. Write for complete list. **C. C. Pollworth Co., Milwaukee, Wis.**

Chrysanthemum Virginia Poehlmann, 1,500 strong 3-in. pots, \$3 per 100. R. Witterstaetter, Sta. F, Cincinnati, O.

Chrysanthemums, rooted cuttings. **Erie Floral Co., Erie, Pa.**

Chrysanthemums, leading varieties, \$3 per 100. **Henry Smith, Florist, Grand Rapids, Mich.**

CINERARIAS.

Cinerarias, gold medal strains, from 2-in. pots, medium high, dwarf, double, stellata, dwarf large flowering Stella, mixed colors, frame grown, 3c. **J. L. Schiller, Toledo, O.**

CLEMATIS.

Clematis. **W. & T. Smith Co., Geneva, N. Y.**

COLEUS.

Coleus, Verschaffeltii, Golden Queen, Golden Bedder, Beckwith's Gem, Firebrand, Lord Palmerston, 2½-in., \$2.50 per 100; \$20 per 1,000. **A. N. Pierson, Inc., Cromwell, Conn.**

CROTONS.

Crotons, 3½ and 4-in., \$4 per doz. **Vaughan's Seed Store, Chicago and New York.**

CYCLAMEN.

Cyclamen, 3-in. pots, very finest strain, \$10 per 100. **Julius Roehrs Co., Rutherford, N. J.**

DAISIES.**VIGOROUS DAISY PLANTS.****IMMEDIATE SHIPMENT.**

Alexandra, 2½-in.	4.00 per 100
Mrs. Sander, 2½-in.	4.00 per 100
Mrs. Sander, 3-in.	6.00 per 100

WEILAND & RISCH,

154 N. Wabash Ave. Chicago.

Daisy Mrs. F. Sander, 2-in., strong, 2c. **Memphis Floral Co., Memphis, Tenn.**

DRACAENAS.

Dracena indivisa, 2-in., \$3 per 100; 3-in., \$5; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$6 per doz.; 8-in., 3 ft. high, \$1 to \$1.50 each. **The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.**

Dracena, Linden and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz.; 7-in., \$1.50 each; \$15 per doz. **Vaughan's Seed Store, Chicago and New York.**

Dracena terminalis, 2½-in. pots, \$10 per 100. **J. Roehrs Co., Rutherford, N. J.**

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. **Geo. M. Emmans, Newton, N. J.**

Dracena Massangeana, 6-in., \$1 to \$1.75 each. **Poehlmann Bros. Co., Morton Grove, Ill.**

FERNS.

Table ferns, 10 varieties, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$6 per 100; \$55 per 1,000. **Poehlmann Bros. Co., Morton Grove, Ill.**

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Boston ferns, 25c; Whitman, 4 in., 25c. Geo. M. Emmons, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Table ferns, 6 varieties, 2½-in., 2½c. Memphis Floral Co., Memphis, Tenn.

Ferns. Robbink & Atkins, Rutherford, N. J.

FICUS.

Ficus pandurata, 6-in., \$3.50 each. Elastica, 6-in., 75c to \$1. Poehlmann Bros., Morton Grove, Ill.

FUCHSIAS.

200 Fuchsias, Black Prince, 4-in., fine, \$7 per 100. James Hain, 2150 W. 51st Pl., Chicago.

GARDENIAS.

Gardenia, Veitchii, 2½-in., \$7 per 100; \$60 per 1,000; 3-in., \$12 per 100; \$10 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

GERANIUMS.

Geraniums, 3½-inch Nutt, Grant and Lakeland, \$6.50 per 100; \$60 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmons, Newton, N. J.

Mrs. Loyal (pansy geranium), 2½-in., 85c per doz.; \$6 per 100. Vaughan's Seed Store, Chicago and New York.

2,000 geraniums, S. A. Nutt, Poitevine, Harrison, Redfield and Buchner, all in bud and bloom to move quick, \$7 per 100. James Hain, 2150 W. 51st Pl., Chicago, Ill.

Geraniums, 2,000 Nutt from 3 and 4-inch pots, fine stock to quick buyer at \$5.50 per 100. Cash with order. The Berryhill Nursery Co., Harrisburg, Pa.

Geraniums, rooted cuttings, Ricard, \$12.50; Nutt and Poitevine, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

1,000 Mme. Salleroy, 2 and 2½-inch pots, \$2 per 100. James Hain, 2150 W. 51st Pl., Chicago.

Geraniums, \$18.50 per 1,000 for 2-in. plants. Scarlet Bedder, 3-in., \$1.50 per doz.; \$10 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

1,500 4-inch red geraniums, CLIFTON and 1,000 4-inch white geraniums Buchner, \$7.50 per 100. 200 5-inch Sprengerii, 20c each, from pots, and 200 hanging baskets, 40c each. THE RIVERBANK COMPANIES, Geneva, Ill.

Geraniums, 2½-in., \$25 per 1,000. Cash with order. Frank Felke, 828 Ridge Ave., Wilmette, Ill., Telephone 1236.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut-Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. Caldwell The Woodsman Co., Evergreen, Ala.

Huckleberry foliage, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. E. A. Beaven, Evergreen, Ala.

HELIOTROPE.

Heliotrope, centefleur, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

HOLLYHOCKS.

Hollyhocks, asst. colors, \$40 per 1,000. Hardy chrysanthemums, clumps, \$5 per 100; strong 2½-in. plants, \$3 per 100. Herbaceous perennials from 2½-in. pots. The New England Nurseries Co., Bedford, Mass.

Hollyhocks, yellow, red, pink, white, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

HYDRANGEAS.

Hydrangeas in pots and tubs, \$1.50 to \$3.50 each; large specimens, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

Hydrangea Otaksa, specimens in half barrels, \$5 and \$7.50 each; 14-inch tubs, \$2 and \$3 each; smaller sizes, 50c and 75c. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangea Otaksa, 6-in., 3 to 6 flowers and buds, 35c to 75c. Erie Floral Co., Erie, Pa.

Hydrangea Otaksa, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

Hydrangeas, in bloom, 25c, 35c, 50c and 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

IVIES.

English ivy, 4 ft., 4-in. pots, \$15 per 100; 4½-in., \$20. Bobbink & Atkins, Rutherford, N. J.

English ivy, grown in 3½ and 4-in., \$10 and \$12 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

English ivy, 4-in. pots, heavy, \$12 to \$14 per 100. Charles Lenker, Freeport, L. I., N. Y.

English ivy, 2½-in., 2c. Memphis Floral Co., Memphis, Tenn.

German ivy, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

LANTANAS.

Lantana, weeping, 2-in., 2c. bushy. Memphis Floral Co., Memphis, Tenn.

LAUREL.

Laurus cerasus bush, 35c to \$1 each; standards, \$7.50 to \$10 each; pyramids, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley, pips, Berlin and Hamburg, \$32 per case of 3,000. J. M. Thorburn & Co., 53 Barclay St., New York.

From Storage.

Lily of the valley, cold storage, \$18 per 1,000; \$9.50 per 500; \$5 per 250. H. N. Bruns, 3032-42 W. Madison St., Chicago.

LOBELIAS.

Lobelia Speciosa, 2½-in., 2c. Memphis Floral Co., Memphis, Tenn.

MARGUERITES.

Marguerites, Mrs. E. Sanders and Queen Alexandra, 2½-in., 60c per doz.; \$4 per 100. Vaughan's Seed Store, Chicago and New York.

MOSS.

Green sheet moss, 1 bale (5 bundles), \$1.25; 5 bales (25 bundles), \$6. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

Moss, surplus of 12 barrel bale New Jersey moss, delivered anywhere in Chicago, \$5 per bale, 2 or more bales, \$4.75 bale. Klehm's Nurseries, Arlington Heights, Ill.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

Sphagnum moss, full size bales, clean stock, new burlaps. Vaughan's Seed Store, Chicago.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries. Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Peach pils. J. K. Morrison Grocery & Produce Co., Statesville, N. C.

Evergreen hedges and hardy phlox. Adolf Mullett, Norristown, Pa.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PALMS.

Palms, Arecia lutescens, 8-in. tubs, \$2.50 each; 8-in., 35c each; 4-in., 25c each. Kentia Forsteriana, 4-in., 35c. Memphis Floral Co., Memphis, Tenn.

Kentia Belmoreana and Forsteriana, from 4-in. to 10-in. plants, from \$4.50 per doz., to \$12.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wynote, Pa.

Phoenix Canariensis, fine large plants, \$7.50 to \$35 each. Julius Roehrs Co., Rutherford, N. J.

Palms of all kinds. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANDANUS.

Pandanus Veitchii, 5-in., \$1; 6-in., \$1.50; 7-in., \$2; 8-in., \$2.50; 8-in. tubs, \$3. Vaughan's Seed Store, Chicago and New York.

Pandanus Veitchii, 5-in., \$1 each; 6-in., \$1.25; 7-in., \$2. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus Veitchii, 6-in., \$1 each. Jos. H. Cunningham, Delaware, O.

PANSIES.

Pansies, Romeo Prize Winners, bud and bloom, \$1.25 per 100; \$10 per 1,000. C. Humfeld, Clay Center, Kans.

PEONIES.

PEONIES.

"PEONIES FOR PLEASURE."

This book of "Peonies for Pleasure" gives information on peony history, soil and plants to use; how and when to plant; fertilizers and how to apply; and describes the most extensive planting of really valuable peonies ever gathered together under the sun; describes the old and new as well as plebeian and aristocrat of the peony family. If you want information on the plant that stands next to the rose in beauty, that is practically known to the amateurs simply as a red, white and pink peony, then send for "Peonies for Pleasure." We also issue a special wholesale price list of peonies for fall sales, 1913. Send for both of the booklets. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.

The Largest Rose Growers in the World.
Box 18. Springfield, Ohio.

PETUNIAS.

Petunias, single ruffled giants, 2-in., strong, bushy, 3c. Memphis Floral Co., Memphis, Tenn.

PRIMULAS.

PRIMULAS, best strains in existence, from 2-in. pots, CHINESE GRANDIFLORA, 12 separate colors or mixed, 2½c. FIVE SELECT NAMED VARIETIES, 3½c. STELLATA, STAR PRIMROSE, 3 colors, 3½c. CHINESE GIANT MIXED, 3c. MALACOIDES, the giant baby primrose, 3c. OBCONICA GRANDIFLORA, 10 separate colors or mixed, 3c. GRANDIFLORA FRINGED, 5 colors or mixed, 3c. OBCONICA GIGANTEA, 5 colors or mixed, 3c.

J. L. Schiller, Toledo, O.

Primula obconica grandis, 2½-in., \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Primroses, Chinese, Obconica, babies, \$2 per 100. Jos. H. Cunningham, Delaware, O.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

POINSETTIAS.

Poinsettias, June and July delivery, \$7 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Poinsettias, \$7 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

ROSES.

CHOICE ROSE PLANTS.		
	Per 100	Per 1,000
Fine 2½-in. stock.	100	
American Beauties	\$ 5.50	\$ 50.00
Richmond	3.50	30.00
Pink Killarney	4.50	40.00
White Killarney	4.50	40.00
Sunburst	12.00	100.00

WIETOR BROS.

162 North Wabash Ave. Chicago.

ROSE PLANTS, 2½-INCH POTS.		
	Per 100	Per 1,000
My Maryland	\$3.50	\$30.00
Pink Killarney	3.50	30.00
Richmond	3.50	30.00

ONE-YEAR-OLD BENCH PLANTS.

Pink and White Killarney	\$3.50	\$30.00
Beauties	3.50	30.00

GEO. REINBERG,

162 North Wabash Ave. Chicago

Roses, grafted, Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$10 per 100; \$100 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95 per 1,000 in 100,000 lots. Killarney Queen, \$15 per 100; \$120 per 1,000. Own root: Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6 per 100; \$55 per 1,000. Richmond, 2½-in., \$5 per 100; \$45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, Milady and Mrs. Geo. Shawyer, grafted, \$30 per 100; \$250 per 1,000. Mrs. Chas. Russell, grafted, \$35 per 100; \$300 per 1,000. Mrs. Taft, Mrs. Aaron Ward, Richmond, Killarney, White Killarney, Lady Hillingdon, Radiance, Bon Silene, Bride, Golden Gate, grafted, \$15 per 100; \$120 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Roses, Mrs. Geo. Shawyer, 4-in., \$30 per 100; \$250 per 1,000. Milady, own root, \$30 per 100; \$250 per 1,000. Pink and White Killarney, Richmond, Taft, My Maryland, American Beauty, 4-in., \$12 per 100; 3-in., \$10 per 100. Bon Silene, 3-in., \$10 per 100. Chas. H. Totty, Madison, N. J.

Roses, 10,000, Pink and White Killarney, 3-in. grafted, \$15 per 100; \$145 per 1,000; 700 grafted Kaiserin, same price. Own roots: 1,800 White Killarney, 3,800 Pink Killarney, 500 Kaiserin, 1,800 Richmond, 2½-in. pots, \$5 per 100; \$45 per 1,000. 1,700 Perles, \$5 per 100; \$45 per 1,000. J. L. Dillon, Bloomsburg, Pa.

ROSE PLANTS.

	Per 100	Per 1,000
200 Melody, 2-inch pots	\$3.50	\$30.00

SINNER BROS.,

56 E. Randolph St., Chicago.

Roses, 3-in., 900 Richmond, 500 Maryland, 100 Kaiserin, 300 Carnot, \$6 per 100. 2½-inch: 150 Kaiserin, 50 Carnot, \$5 per 100; 1,000 Hillingdon, \$6 per 100. Erie Floral Co., Erie, Pa.

ROSES, strong, young plants, for growing on. Send for list including Excelsa, new Red Dorothy Perkins, \$4 per 100; \$30 per 1,000. THE CONARD & JONES COMPANY, West Grove, Pa.

ROSE PLANTS—2½ INCH.

4,000 Pink Killarney. Fine healthy stock. Will sell reasonable. Write for prices. ADAM ZENDER, 6638 Ridge Blvd., Rogers Park, Chicago, Ill.

Roses, good, clean stock, 3½-in. pots, Pink and White Killarney, Perle, Kaiserin, \$6 per 100; \$50 per 1,000. Killarney Queen, \$12 per 100. F. R. Quinlan, Syracuse, N. Y.

Roses, grafted, Killarney, Waban White Killarney and Lady Hillingdon, strong plants, from 3-in. and 3½-in., \$12 per 100; \$100 per 1,000. Robert Scott & Son, Sharon Hill, Pa.

ROSES, My Maryland, 2½-in., strong, 2½-c. Marechal Neil, 2-in., strong, 3-c. Memphis Floral Co., Memphis, Tenn.

Rose plants, Kaiserin and My Maryland, 3-in. pots, \$6 per 100. Henry Smith, Florist, Grand Rapids, Mich.

Crimson Ramblers, 5 and 6-inch pots, 3-foot canes, \$25 per 100. Charles Lenker, Freeport, L. I., N. Y.

Rose Mme. Cecil Brunner. Order now for fall delivery. California Rose Co., Pomona, Calif.

SMILAX.

Smilax, 2-inch, 2c. Memphis Floral Co., Memphis, Tenn.

SNAPDRAGONS.

Snapdragons. Ramburg's famous silver pink, rooted cuttings, \$2 per 100; extra strong, 2½-in., \$3.50 per 100. Addams, Morgan & Co., Paxton, Ill.

SALVIAS.

Salvia Splendens and Bonfire, 60c per 100; \$5 per 1,000. Dracena indivisa, 2-in., \$2 per 100. Geraniums, 2-in., \$1.85 per 100. Cobea Scandens, 2-in., \$3 per 100. Marguerite, Mrs. F. Sander, 2-in., \$2 per 100. Double Alyssum, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

Salvia, Schenley, Ball of Fire, Bonfire, King of the Carpets, Splendens, Zurich, 2½-in., \$2.50 per 100; \$20 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

TRUMPET VINES.

Trumpet Vine—Bignonia radicans grandiflora, strong, 4-year-old dormant stock, \$7.50 per 100; 3-year-old, \$5 per 100. Cash with order. ROSE HILL NURSERIES, New Rochelle, N. Y.

UMBRELLA PLANTS.

Umbrella plants, ready to shift, 2½-inch, \$3 per 100. Poehlmann Bros. Co., Plant Department, Morton Grove, Ill.

VEGETABLE PLANTS.

20,000 4 to 5 ins., New Stone tomato seedlings, 90c per 1,000; or \$15 for the lot. 50,000 all varieties of tomato plants, \$2 per 1,000. 50,000 A1 short, stocky cabbage plants, \$1 per 1,000; \$4 per 5,000. Kale, cauliflower and red cabbage plants, \$1 per 1,000. 300,000 good, well rooted Red Bermuda, Yellow Jersey, Southern Queen and Strasburg sweet potato plants, \$2 per 1,000. Cash with order. T. L. Cook, Greenview, Ill.

Vegetables—Celery, Golden Self-Blanching, 40c per 100; \$2.50 per 1,000; White Plume, Golden Heart, Giant Pascal, 20c per 100; \$1 per 1,000. Parsley, 25c per 100; \$1.50 per 1,000. Cabbage: Allhead, Ball-Head, Flat Dutch, Savoy, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

200,000 extra nice strong tomato plants, \$2 per 1,000. Cabbage: Early and late, short and stocky; extra nice, \$1 per 1,000. Yellow Jersey and Red Bermuda sweet potatoes, \$2 per 1,000. Cash. Mrs. Edward Hayden, Greenview, Ill.

Sweet potato plants, Eastern North Carolina Yams (white), \$1.50 per 1,000; lots of 10,000 and over \$1.25 per 1,000. Summit Avenue Greenhouses, Greensboro, N. C.

For Sale.—Strong pleplant divisions, Linnæus and Victoria, \$4 per 100; \$25 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Celery plants (Golden Self Blanching French Strain), fine plants, \$2 per 1,000. Cash. Brill Celery Gardens, Kalamazoo, Mich.

VERBENAS.

Lemon Verbenas, 2-in., 2c, strong plants. Memphis Floral Co., Memphis, Tenn.

VINCAS.

Vinca Variegata, 4-in., 8c, 10c and 12c; 2½-in., 2½c; 2-in., 2c; rooted cuttings, 90c per 100. Vinca minor, field clumps, 5c. L. Potter & Sons, Waukegan, Ill.

1,200 Vinca Minor (myrtle), 4-in. pots, fine, \$4 per 100. James Hain, 2150 W. 51st Pl., Chicago.

VINCA VARIEGATA, rooted cuttings, 60c per 100; \$5 per 1,000. Cash with order. MEMPHIS FLORAL CO., Memphis, Tenn.

Vinca Var., grown in 3½ and 4-in., \$10 and \$12 per 100. F. R. Pierson Co., Tarrytown-Hudson, N. Y.

Vinca Var., 2-in., \$2 per 100; \$18 per 1,000; 3-in., \$5 per 100. C. Humfeld, Clay Center, Kans.

Vinca Variegata, 4-in. pots, \$12 per 100. Charles Lenker, Freeport, L. I., N. Y.

Vincas, 4-inch, 10c and 12c; 5-inch, 20c and 22c. August Erickson, 3437 Foster Ave., Chicago.

Vinca Var., 2-in., 2c; 3-in., 5c. Geo. M. Emmans, Newton, N. J.

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50,000 Marie Louise Double Violet plants; these are well rooted in sand at \$15 per 1,000; 20,000 in 2½-inch pots at \$20 per 1,000. J. Vonder Linden, Rhinebeck, N. Y.

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Lemon Oil Co.'s Standard insecticide, ½ pt., 25c; pt., 40c; qt., 75c; ½ gal., \$1.25; gal., \$2; 5 gals., \$9; 10 gals., \$17.50. Lemon Oil Co., Dept. T, 420 W. Lexington st., Baltimore, Md.

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Special Florists' Printing. Sample free. Oscar Fink, Pottstown, Pa.

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Budlong, J. A., Chicago.

Chicago Carnation Co., Chicago.

Chicago Flower Growers' Ass'n., Chicago.

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Deamud Co., J. B., Chicago.

Froment, H. E., New York.

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Hoerber Bros., Chicago.

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Kennicott Bros. Co., Chicago.

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Kruchten, John, Chicago.

Kuehn, C. A., St. Louis, Mo.

Kyle & Foerster, Chicago.

McCallum Co., Pittsburg, Pa., and Cleveland, O.

McCullough's Sons Co., J. M., Cincinnati, O.

McKellar, Chas. W., Chicago.

Meconi, Paul, New York.

Moore, Hentz & Nash, New York.

N. Y. Cut Flower Exchange, New York.

Niessen Co., The Leo, Philadelphia, Pa.

Ostertag Bros., St. Louis.

Randall Co., A. L., Chicago.

Reinberg, Geo., Chicago.

Reinberg, Peter, Chicago.

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Rusch & Co., Gust, Milwaukee, Wis.

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Reid, Edward, Philadelphia, Pa.

Siebrecht, Geo., Co., New York.

Smith, Wm. C., St. Louis, Mo.

Thompson Carnation Co., J. D., Joliet, Ill.

Totty, Chas. H., Madison, N. J.

Weiland & Risch, Chicago.

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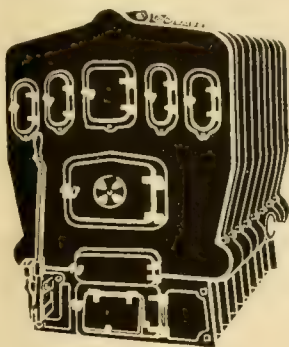
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THE ALLIED TRADES

THE Smith & Hemenway Co., 150-152 Chambers street, New York. "Red Devil" tool manufacturers, inform us that instead of carrying stock in two places they have arranged to carry at the factory, Irvington Mfg. Co., 130 Coit street, Irvington, N. J., a complete stock after July 10, and all shipments will be made from the Irvington Mfg. Co. after that date. This concern has largely increased the facilities of the factory and stock room to take care of additional stock and of their increasing business.

Chicago Notes.

Kroeschell Bros. Co., 452 West Erie street, has just received a shipment of 10 carloads of special boiler flues which was delayed by the floods in March and which can now be used to good advantage in their ever increasing business. Fred Lautenschlager says that the 1913 business so far has been very good and compares favorably with that of last year.

The Superior Machine & Boiler Works, 846-848 West Superior street, is enjoying a good season, and has booked five new orders during the past week. This firm will furnish the boilers for Frank Felke's new range at

Pecky Cypress

We are SPECIALISTS

In this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

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Everything in Lumber. Write for prices

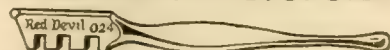
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Hawthorne and Weed Sts.,
CHICAGO.
L.D. Phones: Lumber 410 and 411

Gross Point, Chas. Henges' range at Rogers Park and Cornelius Tillen's range at Niles Center and Joe Wahl's new range at Belmont and Milwaukee avenues.

The A. Dietsch Co., 2642 Sheffield avenue, is receiving numerous inquiries from prospective customers in various parts of the country, and from present indications it appears as if there will be a great deal of building done again this season. Mr. Dietsch is again on duty at the factory, where he is now ably assisted by his sons Alfred and Albert.

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The glazier's standard tool for cutting all kinds of glass. The "Red Devil" glass cutter that is used by all. Known and recognized throughout the world as THE BEST cutter ever made. Sold everywhere by the hardware trade. Ask your local dealer for "Red Devil" No. 024. Send us three 2c stamps for One only free sample.

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SAN JOSE, CALIF.—The Linda Vista Improvement Club held a flower show May 13.

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CYPRESS SASH BARS
ANY LENGTH UP TO 32 FEET OR LONGER.
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 are in a class by themselves.
 Strong—Sunnier—More
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Never Rust
GLAZING POINTS
 Are positively the best. Last forever. Over
 30,000 pounds now in use. A sure preventative of
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 Easy to drive. Easy to extract. Two sizes, $\frac{3}{8}$ and
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 has built a new greenhouse 27 x 62
 feet.

BOSTON, MASS.—It is reported that
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 Arnold.

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 Co. of Chicago is installing its first
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Pillsbury Carnation Staple

We find it very satisfac-

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Can't get along without

them. J. L. JOHNSON.

2000 for \$1.00 postpaid.

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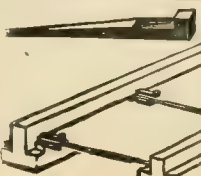
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Sample free.

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Good for small or
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 easy to drive $\frac{3}{8}$ and $\frac{1}{2}$
 inch Per lb. 40c. 5-lbs.
 \$1.85. 20-lbs. \$7.00

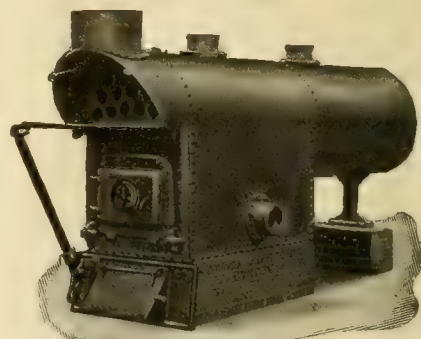
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Made in 9 Sizes.



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both bevels are on the same
 side. Can't twist and break
 the glass in driving. Galvan-

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 Lasts longer than putty. Easy to apply.

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*The Insecticide that
kills plant Lice
of every species*

The Recognized Standard Insecticide.

For green, black, white fly, red spider, thrips, mealy bug and scale.

\$1.00 per Quart. \$2.50 per Gallon.

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For mildew, rust and bench fungi. Does not stain but cleanses the foliage.

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For sterilizing soil and all soil vermin.

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Twelve percent Nicotine
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Manufacturers of Agricultural Chemicals.

Madison, N. J.

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Black ones too*

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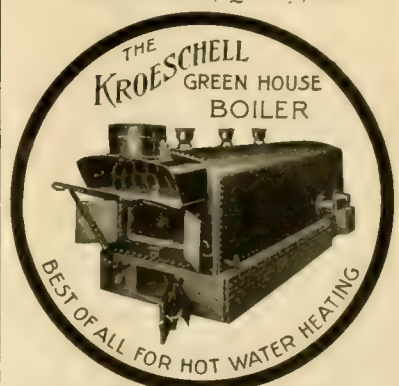
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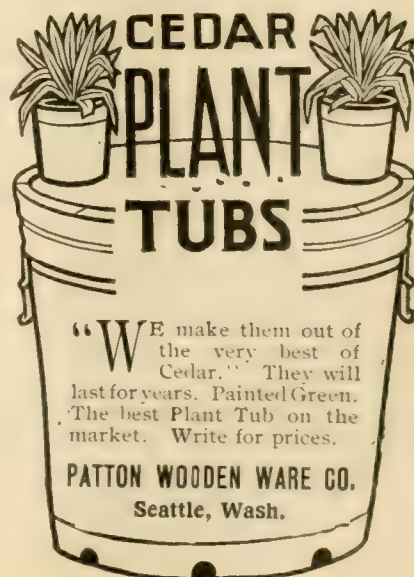
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Kroeschell Bros. Co.

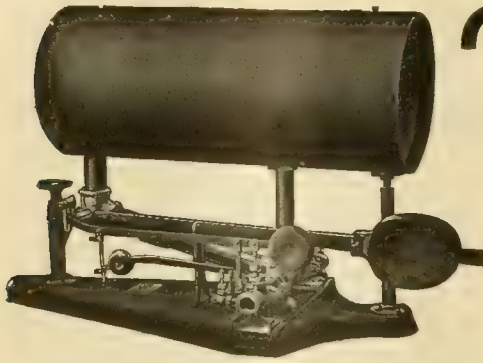
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Vol. XL

CHICAGO AND NEW YORK, JUNE 21, 1913.

No. 1307

THE AMERICAN FLORIST

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Entered as Second Class Matter Nov. 11, 1891,
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440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.
Registered Cable Address: Ameflo, Chicago.
Subscription, United States and Mexico, \$1.00 a
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F. KASTING, Buffalo, N. Y., Treasurer. Next
annual convention and trade exhibition at Minn-
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AMERICAN PEONY SOCIETY.

Next annual meeting and exhibition, June, 1914,
at Chicago. B. H. FARR, Reading, Pa., President;
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Cleveland, Ohio, June 12-14.

The Cleveland Show.

The eleventh annual meeting of the American Peony Society and the second exhibition of the Ohio Horticultural Society were held jointly in Grays Armory at Cleveland, O., June 12-14. The show was a great success as far as the exhibits were concerned and both of the societies were well pleased with the magnificent showing that was made. The American Peony Society particularly was very enthusiastic over the peony exhibition, which was the best in the history of the society as far as the entries were concerned, but the quality of the flowers was far below the standard of former years owing to the unfavorable season. The show was officially opened at 8 p. m. Thursday, June 12, when Mayor Baker addressed the large assembly after being introduced by J. N. Stockwell, secretary and treasurer of the Ohio Horticultural Society. The exhibition hall was a palace of beauty when the show opened, and the splendid arrangement of the various exhibits was a credit to John Boddy, chairman of the committee of prizes and exhibits, and it was mainly through his untiring efforts that the exhibition was a success. The rose showing was not as large as was at first expected, but the exhibits of the local florists and the private gardeners in the vicinity were very large, and when these were staged nearly every foot of floor space was occupied. The attendance the first evening was very large and on Friday even better, and the last day's attendance also exceeded all expectations.

The peony exhibit was staged on the right of the hall, facing south, and occupied three large tables extending the full length of the room. E. A. Reeves was the largest exhibitor, he having 3,000 blooms in his collection. His collection of one hundred named varieties, one of each, was easily the feature of his exhibit and the judges did not hesitate when they awarded him the American Peony Society's gold medal. His other exhibits also proved very interesting, but the collection was so large that many good varieties

were overlooked. C. Merkel & Sons' vase of 25 Couronne d'Or was the feature of their exhibit and attracted much attention, as did their vase of Albert Crousse, which was one of the best vases of pinks in the hall. C. Betscher exhibited 100 standard varieties, but was greatly disappointed with his exhibit although he took first prize in the 25-pink class. A. P. Saunders also had a large exhibit, and won several medals in the amateur class, and his exhibits as usual showed the result of high cultural skill. He also exhibited his two best seedlings, Jean Bancroft and Edith Grant. Both are white varieties and won a certificate last year at the society show. The Cottage Gardens Co., Queens, N. Y., had a fine collection of elegant blooms of twenty varieties in the fifty class that was unusually good, and was entitled to the prize. Martin Kohankie secured first prize with his vase of 25 M. Jules Elie, which were unusually large and well grown blooms. B. H. Farr had a very interesting exhibit, but the flowers were affected in transit and did not arrive in the best of condition. Among his collection was noted particularly Solange, one of Lemoine's latest and best varieties, and Mrs. Geo. Bunyard, one of Kelway's latest, a very pleasing pink with cup-shaped petals. The Storrs & Harrison Co., Painesville, exhibited 20 varieties but not for competition, and these were not staged until Friday morning.

There were several entries of roses in the hybrid perpetual class, but the J. M. Gasser Co. was the only exhibitor of hybrid tea roses. In hardy herbaceous flowers the Cleveland Forestry department and Woodside Farm were the principal exhibitors, and the latter's collection of sprays and flowering and ornamental shrubs made a grand display. There was a large exhibit of flowering and decorative plants, especially begonias, gloxinias, hydrangeas and palms and ferns. Hart Bros.' two groups of Nephrolepis Bostoniensis and Bostoniensis Harrisii were the features of this class, and the second group was so unusually fine that it re-

ceived the society's gold medal. Hart Bros. also won first prize in gloxinias and firsts on the best specimen plant of *Hydrangea Otaksa* and fuchsias.

The collection of spireas exhibited by the Cleveland Forestry Department was grand and was set off to good advantage in front of the stage. There were various other exhibits and some exceptionally fine displays were made by the private gardeners in this vicinity, the most noteworthy being the exhibit of orchids by Robt. Weekes. Jones & Russell and the J. M. Gasser Co. were the only retailers that exhibited, and their displays were principally baskets of cut flowers arranged for effect. Patten & Co., Tewksbury, Mass., exhibited three vases of their new carnation Princess Dagmar, and it was surprising how well the flowers kept up. A. N. Pierson, Inc., Cromwell, Conn., sent a bunch of their new rose, Milady, to the Jones-Russell Co. to be staged. The flowers were in fine condition when they were first placed on the exhibition table. Taking all in all the show was a success and the society feels that it was a magnificent showing for its second attempt. Frank Smith of Cleveland, John Merkel of Mentor, and Chas. J. Maloy of Rochester, N. Y., acted as judges.

Business Meeting.

The business meeting of the society was held in the Hotel Statler, June 12, President Farr presiding. The minutes of the last meeting were read by Secretary Saunders, after which the president delivered his address, in which he stated that the most important work of the past year was the disposal of the large plantings of peonies at Cornell University. The treasurer's report was read, showing the society to be in good financial condition, with \$1,500 in the treasury. The meeting was not largely attended, but all the members present were more than satisfied with this year's show, especially in regard to the number of entries. The society accepted the invitation of the Chicago Florists' Club and the Chicago Horticultural Society to hold its show in Chicago in 1914. The election of officers resulted as fol-

lows: President, B. H. Farr, Reading, Pa.; vice-president, E. B. George, Painesville, O.; secretary, A. P. Saunders, Clinton, N. Y.; treasurer, J. H. Humphrey, Germantown, Pa.; director for a term of three years, Geo. C. Thurlow, West Newbury, Mass. The society visited E. A. Reeves' peony farm on June 13 and were favorably impressed with several new seedlings that he is now growing.

Awards.

HYBRID PERPETUAL ROSES.

Twelve named varieties, three of each—Woodside Farm (— Evans, gardener), third.



B. H. Farr.

President American Peony Society.

Six named varieties, three of each—Woodside Farm, third.

AMATEURS.

Best three blooms, white—S. J. Monck, second; Florence Boddy, third.

Best three blooms, pink—S. J. Monck, second; Gretchen Boddy, third.

Basket of 25, artistically arranged—S. J. Monck, first.

Best three blooms, red—Mrs. Karl Koch, second.

Best six named varieties, one of each—Woodside Farm, third.

HYBRID TEA ROSES.

Best six blooms, white, indoor grown—J. M. Gasser Co., first; J. M. Gasser Co., second.

Best six blooms, pink, indoor grown—J. M. Gasser Co., second; J. M. Gasser Co., third.

Best six blooms, red, indoor grown—J. M. Gasser Co., second.

Basket of any white varieties, arranged for effect—J. M. Gasser Co., first; Jones-Russell Co., second.

Basket of any red varieties, arranged for effect—Jones-Russell Co., first.

Rosa Rugosa or R. R. hybrids, best vase of 20 sprays—Woodside Farm, second.

HERBACEOUS PEONIES.

Best vase of 50 blooms, red or crimson, single, on long stems, arranged for effect—A. E. Reeves, first.

Collection of 25 named varieties, double, one bloom of each—B. W. Farr, Reading, Pa., first; A. E. Reeves, second; A. P. Saunders, Clinton, N. Y., third.

Collection of 50, double, in twenty named varieties—C. Merkel & Sons, first; B. W. Farr, second; C. Betscher, third.

Collection of 10 named varieties, double, three of each—Cottage Gardens Co., Queens, N. Y., first; C. Merkel & Sons, Mentor, O., second; A. E. Reeves, third.

Best specimen bloom, double, white—A. P. Saunders, Clinton, N. Y., first, bronze medal.

Best specimen bloom, light pink, double—A. P. Saunders, first, bronze medal.

Best specimen bloom, red or crimson, double—A. P. Saunders, first, bronze medal.

Collection of six named varieties, double white, one flower of each—A. P. Saunders, first.

Collection of six named varieties, double, light pink, one flower of each—A. P. Saunders, first, gold medal.



CLEVELAND PEONY SHOW.

Peony Exhibit of E. A. Reeves, Cleveland.



CLEVELAND PEONY SHOW.

General View of the Exhibition in Grays Armory.

Collection of six named varieties, double, dark pink—A. P. Saunders, second, silver medal.

Collection of six named varieties, double, red or crimson—A. P. Saunders, first, gold medal.

Best vase of 25 blooms, double, white or blush—C. Merkel & Sons, first; J. M. Gasser Co., second; Jones-Russell Co., third.

Best vase of 25 blooms, double, pink—Jones-Russell Co., first; C. Merkel & Sons, second; A. E. Reeves, third.

Best vase of 25 blooms, double, red or crimson—Chas. Betscher, Canal Dover, first; A. E. Reeves, second; A. E. Reeves, third.

Best vase of 25 blooms, double, any other color—A. E. Reeves, first; C. Merkel & Sons, second; A. E. Reeves, third.

Collection of 100 named varieties, one of each—A. E. Reeves, first, American Peony Society's gold medal.

HARDY HERBACEOUS FLOWERS.

Collection of sprays of hardy flowering and ornamental shrubs or trees, 20 vases, of 20 named varieties (roses not permissible)—Woodside Farm, first; Cleveland Forestry Department, second.

Collection of German irises, 12 vases, not less than six varieties, 10 stems in a vase—Woodside Farm, second.

Twenty-five vases distinct species, correctly named, not less than ten genera, grasses admissible—Woodside Farm, first; Robt. Weekes, second; Cleveland Forestry Department, third.

Sweet William, display of 12 vases, six trusses each, of not less than six varieties—Robt. Weekes, first.

Delphinium (hardy larkspur), three



John Boddy.

City Forester and Manager of the Cleveland Peony Show.

vases, dark blue, 10 stems to a vase—Woodside Farm, first.

Digitalis (foxglove), three vases, three varieties, 12 blooms in a vase—Woodside Farm, first.

FLOWERING AND DECORATIVE PLANTS.

Begonias, tuberous rooted, 12 plants—Wm. G. Mather, first; Robt. Weekes, second; Woodside Farm, third.

Begonia Rex, 12 plants—Woodside Farm, first.

Caladiums, fancy leaved varieties, 12 plants—Wm. G. Mather, first; Woodside Farm, second.

Gloxinias, 12 plants—Hart Brothers, first; Robt. Weekes, second; Cleveland Forestry Department, third.

Hydrangeas, six plants in pots, 12 inches or less—Robt. Weekes, first; Wm. G. Mather, second; John Leuschner, Lakewood, O., third.

Hydrangea, specimen plant, in pot or tub, any size—Hart Brothers, first; John Leuschner, second.

Areca, specimen plant, in pot or tub, not less than four feet high—Cleveland Forestry Department, first; Woodside Farm, second.

Specimen Kentia Belmoreana, in pot or tub—Cleveland Forestry Department, second.

Specimen Kentia Forsteriana, in pot or tub—Cleveland Forestry Department, third.

Pair Kentia Fosteriana, in pots or tubs, less than six feet high—Cleveland Forestry Department, third.

Specimen Phoenix Roebelenii, in pot or tub—Woodside Farm, second.

Specimen Phoenix, in pot or tub, any other variety or size—Cleveland Forestry Department, third.

Specimen Latania Borbonica, in pot or tub—Cleveland Forestry Department, second.

Crotons, six plants in pots, six varieties—Woodside Farm, first.

Specimen dracæna, in pot or tub, any red variety—J. M. Gasser Co., third.

Specimen dracæna, in pot or tub, any green variety—Cleveland Forestry Department, first; Hart Bros., third.

Specimen dracæna, in pot or tub, any other color—Cleveland Forestry Department, third.

ment, first; Woodside Farm, second; Hart Bros., third.

Specimen *Ficus elastica*, in pot or tub—Cleveland Forestry Department, first.

Specimen *Ficus pandurata*, in pot or tub—Cleveland Forestry Department, second.

Adiantum Farleyense, six plants in 8-inch pots or less—Robt. Weekes, first.

The Grasselli Chemical Co., manufacturing chemists, with headquarters at Cleveland, was one of the largest exhibitors, displaying many of its spray products.

The Caldwell Lawn Mower Co., of Newburgh, N. Y., also was a very large exhibitor, and its display consisted principally of lawn mowers and farm implements. W. A. Bartlett, who had charge of the exhibit, gave free

W. E. Asplin, Rocky River, O.
W. A. Bartlett, Newburgh, N. Y.
A. P. Saunders, Clinton, N. Y.
B. H. Farr, Reading, Pa.
Walter Mott, Fishkill, N. Y.
C. J. Maloy, Rochester, N. Y.
C. Merkel, Mentor, O.
Louis Merkel, Mentor, O.
W. C. Merkel, Mentor, O.
C. Betscher, Canal Dover, O.
Ed. George, Painesville, O.
J. J. Harrison, Painesville, O.
C. H. Twin, N. Tonawanda, N. Y.
John Good, Springfield, O.
R. H. Murphy, Urbana, O.
Martin Kohankie, Painesville, O.
John Cowan, —, Can.
Frank Smith, Los Angeles, Calif.
Carl Hagenburg, Mentor, O.
J. C. Cunnaw, Akron, O.
J. Turnbull, Akron, O.
M. J. Gilbo, Akron, O.
Ernest Hemming, Flourtown, Pa.
W. R. Strausser, Wayland, O.
W. B. Cole, Painesville, O.
W. J. Richards, Wayland, O.



CLEVELAND PEONY SHOW.

Vase of Mme. Jules Elie Peonies Exhibited by Martin Kohankie, Painesville, O.

Boston ferns, six plants, in not less than 8-inch pots or pans—Hart Bros., first.

Specimen Boston fern, in pot or pan, no restriction as to size—Hart Bros., first.

Lily of the valley, best 200 blooms—J. M. Gasser Co., first.

Sweet peas, six vases, 25 sprays each, not less than three varieties—Geo. H. Barber, Beloit, O., first.

Best filled porch box—Hart Bros., first; Woodside Farm, second.

Group *Harrisi* ferns—Hart Bros., first, gold medal.

Best pot of fuchsias—Hart Bros., first, gold medal; John Lueschner, second, silver medal.

Group of schizanthus — Cleveland Forestry Department, first, gold medal.

Astilbe japonica—Cleveland Forestry Department, second, silver medal.

Allied Trades Exhibits.

The W. H. Elverson Pottery Co., of New Brighton, Pa., manufacturers of standard flower pots, had quite an exhibit, and both Mr. Elverson and his son Frank were in attendance.

The King Construction Co., North Tonawanda, N. Y., exhibited a number of views of recent ranges which this firm has built. Wm. E. Asplin, of Rocky River, who has charge of the Ohio office, was the firm's representative.

Hitchings & Co., the well-known greenhouse builders of Elizabeth, N. J., had one of their sectional greenhouse boilers on exhibition in addition to a number of views of greenhouse ranges which they recently built. J. B. Jackson, assistant sales manager, had charge of their exhibit, and sold the boiler they displayed almost before it was set up.

demonstrations of the various utensils during the exhibition.

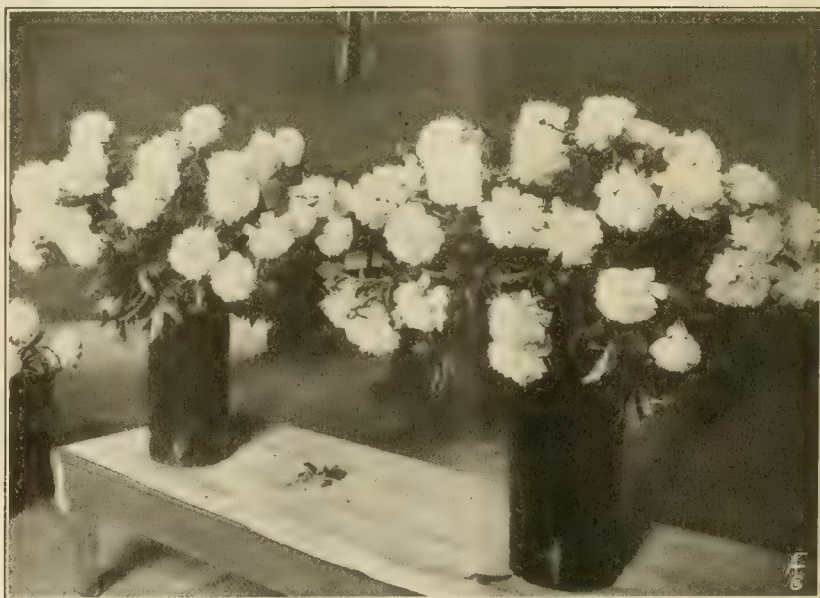
The Chas. F. Irish Co., tree experts, of Cleveland, also had an exhibit and gave demonstrations during the show as to the most scientific method of handling cavity work.

Visitors.

A. Miller, Chicago.
E. H. Cushman, Sylvania, O.
F. W. Elverson, New Brighton, Pa.
W. H. Elverson, New Brighton, Pa.
J. B. Jackson, New York.
R. T. Brown, Queens, N. Y.

Chicago Peony Show.

The peony growers in this vicinity had a hard time getting together sufficient material to make a peony show for the Horticultural Society of Chicago, held at the Art Institute June 12-13, but after a great deal of effort in going over their plantations made a fair showing. Frosts early in the season damaged a heavy percentage of the flower buds and the later cool weather retarded those remaining to such an extent that there was small room for selection. President B. H. Farr of the American Peony Society wrote from Reading, Pa., regretting his inability to make an exhibit on account of frost injury to his plants. Under these unfavorable conditions the Peterson Nursery made a highly creditable display and very good exhibits were staged by Vaughan's Seed Store, W. W. Barnard & Co., Rose Hill Cemetery, Mt. Greenwood Cemetery Association and that sturdy old friend of the society, John Reardon of the State College, Ames, Ia. Vaughan's Seed Store made a good display of hardy herbaceous perennials and E. Bollinger of Byron L. Smith's place, Lake Forest, sent in a fine vase of oriental poppies



PART OF ROSE HILL CEMETERY EXHIBIT AT THE CHICAGO PEONY SHOW.



PETERSON NURSERY EXHIBIT AT THE CHICAGO PEONY SHOW.

which attracted much attention. The bay trees and other evergreens contributed by Vaughan's Seed Store and Winterson's Seed Store greatly helped to make the exhibition attractive and we must not forget to mention the interesting displays of F. V. Balling, Blue Island and C. O. Youngstrand, Glenview. This is the first regular peony show of the society and the general interest manifest, with more genial weather, will urge the society to make the peony show an annual event. The American Peony Society, it is understood, will co-operate with the local organization in next year's exhibition.

Vaughan's Seed Store exhibited the new canna Firebird in fine form, and this firm's display of hardy herbaceous perennials included *Dianthus plumarius*, *Valeriana officinalis*, *Linaria dalmatica*, *Digitalis gloxinoides*, *Lychnis viscaria splendens*, *Leucanthemum præcox* Perfection, *Gypsophila repens monstrosa*, *Armeria formosa*, and irises, *hemerocallis* and *delphiniums* in variety.

The Peterson Nursery exhibit of peonies included Alexandria, Virginie, Triumph de l'Exposition de Lillie, Festiva Maxima, Madame De Verneville, Eugene Bigot, M. Martin Chahazac, Duchesse de Nemours, Golden Harvest, Purpurea Superba, Modeste Guerin, Octavie Demay, Marguerite Gerard, M. Jules Elie, Eugenie Verdier, and Augustin D'Hour.

Judges: Thos. Wallis and E. O. Orpet.

THE AWARDS.

Best display of blooms, variety, quality and quantity to be considered—John



E. A. Reeves.

The Cleveland Peony Specialist.

Reardon, State College, Ames, Ia., first; W. W. Barnard & Co., second.

Largest and best collection of standard named varieties, one bloom of a kind—W. W. Barnard & Co., first.

Fifty blooms white—Peterson Nursery, first; Vaughan's Seed Store, second; Mt. Greenwood Cemetery Association, third.

Fifty blooms light pink—Peterson Nursery, first.

Fifty blooms dark pink—Peterson Nursery, first; Peterson Nursery, second; Vaughan's Seed Store, third.

Fifty blooms red or crimson with stamens—Vaughan's Seed Store, first.

Fifty blooms red or crimson without stamens—Peterson Nursery, first.

Fifty blooms one variety, any combination of two or more shades—Peterson Nursery, first.

Twelve blooms white—Peterson Nursery, first; Peterson Nursery, second; Vaughan's Seed Store, third.

Twelve blooms light pink—Peterson Nursery, first; Peterson Nursery, second; Peterson Nursery, third.

Twelve blooms dark pink—Peterson Nursery, first; Peterson Nursery, second; W. W. Barnard & Co., third.

Twelve blooms red or crimson with stamens—Peterson Nursery, first; Peterson Nursery, second.

Twelve blooms red or crimson without stamens—Peterson Nursery, first; Mt. Greenwood Cemetery Association, second; Vaughan's Seed Store, third.

Twelve blooms one variety any combination of two or more shades—Peterson Nursery, first; Vaughan's Seed Store, second; W. W. Barnard & Co., third.

Largest display of blooms of any one color of peonies—Rose Hill Cemetery, first.

Best 10 blooms white—W. W. Barnard & Co., first.

Best 10 blooms light pink—W. W. Barnard & Co., first.

Best collection of shrub branches, flower or foliage, open to all—Vaughan's Seed Store, first.

Best 10 blooms dark pink—W. W. Barnard & Co., first.

Best 10 blooms red or crimson with stamens—W. W. Barnard & Co., first.

Best 10 blooms red or crimson without stamens—W. W. Barnard & Co., first.

Best 10 blooms one variety, any combination of two or more shades—W. W. Barnard & Co., first.

Best 12 stems with greatest aggregate number of blooms and healthy buds, white—Peterson Nursery, first.

Best 12 stems with greatest aggregate number of blooms and healthy buds, pink—Peterson Nursery, first.

Best collection of Hardy Perennials—Vaughan's Seed Store, first; C. O. Youngstrand, Glenview, second.

Best vase of 10 blooms white—F. V. Balling, Blue Island, first.

Best vase of 10 blooms dark pink—F. V. Balling, first.

Massachusetts Horticultural Society.

Prizes and gratuities awarded at the peony exhibition of the Massachusetts Horticultural Society, June 14 and 15, 1913, were as follows:

HERBACEOUS PEONIES.

Collection of 20 named varieties, double, one flower of each—Geo. H. Peterson, first; James McKissock, second; T. C. Thurlow's Sons Co., third. Collection of 10 named varieties, double, three flowers of each—Geo. H. Peterson, first; Mrs. J. L. Gardner, second; James McKissock, third. Specimen bloom, double—Geo. H. Peterson, first; Wm. Whitman, second. Collec-

tion of 12 named varieties, single, one bloom of each—T. C. Thurlow's Sons Co., first. Vase of blooms on long stems, arranged for effect in the society's large china vases—Mrs. J. L. Gardner, first. Collection of six named double varieties, white—Mrs. J. L. Gardner, first; T. C. Thurlow's Sons Co., second; Dr. Charles S. Minot, third. Collection of six named double varieties rose pink—Mrs. J. L. Gardner, first; James McKissock, second; T. C. Thurlow's Sons Co., third. Collection of six named double varieties, red or crimson—James McKissock, first; T. C. Thurlow's Sons Co., second. Vase of 25 blooms, double, white or blush—Mrs. J. L. Gardner, first; Geo. H. Peterson, second; John R. Comley, third. Vase of 25 blooms, double, pink or rose—Wm. Whitman, first; Geo. H. Peterson, second; Wm. Whitman, third. Vase of 25 blooms, double, red or crimson—Geo. H. Peterson, first; Mrs. J. L. Gardner, second; Wm. Whitman, third. Vase of 25 blooms, double, any other color—Wm. Whitman, first; T. C. Thurlow's Sons Co., second; James McKissock, third.

GRATUITIES.

E. J. Shaylor, display of peonies; Breck, Robinson Co., display of peonies and herbaceous flowers; G. W. Page, collection of seedling peonies; Mrs. E. M. Gill, collection of peonies and roses; T. C. Thurlow's Sons Co., display of peonies; Mrs. James B. David, three vases of peonies; A. W. Preston, collection of pyrethums; Thos. T. Watt, collection of orchids with foliage; J. T. Butterworth, two specimen orchids; J. T. Butterworth, collection of Spanish iris; Eastern

Nurseries, display of herbaceous flowers; M. P. Haendler, display of herbaceous flowers; Mt. Desert Nurseries, collection of herbaceous flowers; Mrs. Frederick Ayer, display of fuchsias; Ellen Page, collection of native plants; Wm. Whitman, collection of peonies; W. Heustis & Son, collection of vegetables.

GOLD MEDALS.

Wm. Sim, collection of sweet peas; Mt. Desert Nurseries, eremurus; R. & J. Farquhar & Co., display of peonies.

FIRST-CLASS CERTIFICATES OF MERIT.

Mt. Desert Nurseries, seedling peony; C. S. Sargent, vase of Geum coccineum var. Bradshawii; Wm. Sim, sweet peas.

HONORABLE MENTION.

Dr. C. S. Minot, collection of seedling peonies; Thos. T. Watt, specimen Dendrobium thyrsoiflorum.

Lake Geneva Peony Show.

The gardeners at the beautiful Wisconsin summer resort are famed for their skill, and their annual peony exhibition in the new horticultural hall June 14 was a great success. The quantity and quality of the blooms displayed was a revelation to all. Great credit is due the officers of the society for the manner in which all was arranged and staged. All the large classes of peonies were set in the center of the hall on the floor, making it possible to examine every bloom and make comparisons. Exhibits were sent from most of the large country homes, and the great interest shown by the owners in the exhibits promises well for the sale of peony roots in the future.



BARNARD EXHIBIT AT THE CHICAGO PEONY SHOW.



VAUGHAN'S SEED STORE EXHIBIT AT THE CHICAGO PEONY SHOW.

One large collection of single peonies attracted much attention. There were some magnificent blooms of a semi-double pure white, the name of which could not be learned. This has a great future, owing to the purity of color contrasted with the yellow stamens in the center. There was also a fine vase of *lilium myriophyllum*, one spike bearing six blooms. It was a new plant from China and was awarded a first class certificate. A quantity of high class fruit and vegetables were shown, including melons, peaches, strawberries, cucumbers, tomatoes, and not the least, pecks of fully matured early potatoes. The judges, who from a recent experience at a metropolitan peony show, expected an easy task at Lake Geneva in comparison, found it a long and difficult proceeding to recognize superior merit where all were so well shown.

WACO, TEX.—Three new greenhouses, each 100 feet long, have been built at Cotton Palace park.

WILMINGTON, DEL.—The flower store of M. F. Hayden has been enlarged and improved generally.

FOREST GROVE, ORE.—Fred C. Fowler has purchased the Forest Grove greenhouses of Danser Bros.

TARRYTOWN, N. Y.—The June exhibition of the Tarrytown Horticultural Society including roses, strawberries, hardy flowers, etc., took place last week, June 12. The fifteenth annual exhibition of the society will be held November 4-6 inclusive. The premium list for the latter is now ready and copies may be had on application to Secretary Edward W. Neubrand, Tarrytown-on-Hudson, N. Y.

PLANT NOTES.

Mignonette.

To be able to cut fine spikes of mignonette in early winter will require an early start and although it demands care and attention to germinate small seeds during hot weather, yet it will be necessary to sow seed early in July in order to have a cut in by the holiday season. A north propagating house is one of the best locations for the sowing of seeds in summer. Mignonette does not transplant from the seed flats successfully, so it is better to sow it in 2½-inch pots, five or six seeds to a pot, which can be thinned out to one or two plants as soon as they are large enough to select the strongest. Some growers prefer to sow the seed in hills in the bench, but to grow the large spikes of this flower requires a soil very heavily manured, and the constant watering often sours the soil before the plants have pushed out roots enough to absorb the water. As soon as the plants have attained a height of two or more inches the tip should be pinched or rubbed out, that the plant will branch, and again later these branches will have to be pinched off, until there are six or eight good, strong shoots. The plants will grow in most any kind of good soil, but to get the best the compost should be about one-half partly decayed manure well mixed in the soil and this will produce splendid spikes of bloom. After the plants begin to form their leaves a careful watch must be kept for the cabbage worm; these worms are very fond of mignonette and are voracious eaters, and soon denude the plant. They are a little difficult to find, being of the same color as the

leaf, but are generally found along the midrib of the leaf or on the stem. Growers who cultivate large quantities of this crop screen their ventilation with mosquito netting to keep out the moth which lays the eggs. The plants should be set about one foot apart in the bench and staked or tied in some suitable manner to keep the stems straight and erect.

Asparagus Plumosus and Sprengeri.

It is a good time now to plant, reset or renew the soil of asparagus beds, either plumosus or Sprengeri. If the beds are to be set out with young stock preparation should be started at once. *Asparagus plumosus* does better in solid beds, well drained, with a good rich compost about two feet deep. The plants should be set 12 to 15 inches apart and the shoots be given strings upon which to climb as soon as they begin to grow. But little cutting should be done the first year as it is necessary that the plants become well established. The old beds should be given a good mulch of half-decayed manure, and if possible, without injury to the roots, removing the top soil. *Asparagus Sprengeri* can be successfully grown in the bench, but also requires a good rich soil. The young stock the first year should be planted 10 to 12 inches apart, and will produce many stems that can be cut. The beds that have produced this year will require a renewal of the soil. It is better to replant than to try to renew the soil in the bench. The plants are great feeders and the bench is generally full of roots after a year's growth and it will be found difficult to keep the bench watered during the spring of the second year. If the plants are too close together they can be given more space

in resetting. Good large plants will do better if set about 15 inches apart. If a mulch is attempted, care should be taken to use no fresh manure but manure that is well rotted. The ammonia that arises from fresh manure will affect the plants, turning the foliage light, and in severe cases the foliage will become nearly white, making it worthless.

Cyclamens.

The plants of cyclamen should now be growing rapidly, especially those which were grown from seed sown last fall. These plants should now be in four or five-inch pots and the foliage growing full and strong. If the plants are plunged in a frame, they should be lifted out of the soil occasionally to see that the drainage is not stopped up. There is nothing that will ruin a young growing cyclamen any quicker than to have the drainage get closed and have the soil become sodden with water. Angle worms will often cause this and if they are detected should be removed. It is very easy to find whether they are in the pots. If the soil on the top of the pot is rolled into small lumps it is a sure sign that there are worms in the soil. If there are but a few the plants can be knocked out of the pots and the worms removed; if there are many a watering of lime water will soon rid the soil of the worms. The plants that are in small pots should be potted up as fast as they require it that they may be as large as possible for the holiday season, but do not go the other extreme and pot in too large pots. As soon as the roots get around the side of the pot shift them into the next size larger. If the plants are in the greenhouse a close watch for thrips must be kept during the summer. If the foliage is twisted when the leaf begins to unfold it is sure to be caused by insects and the plants should be sprayed with a nicotine solution. To have good plants for the holidays in full bloom they must be constantly watched and well grown.

Compost Pile.

The extra help that is so often employed during the spring trade can be utilized for a few days before they are let go, in getting together a good compost pile, and there is no better time of the year than the present to do this. The sod can be taken off now after the mowing with no great amount of grass upon it, and if stacked at this time the warm summer days will soon rot the sod and make the pile fine and mellow. So many growers will spend their money for coal and labor and skimp on that most necessary thing for good product, the soil upon which the plant depends for its culture, and again put the matter off until the fall when the days are cold, the soil too often full of moisture, and the hauling poor, which makes the work more expensive and in the end not having as good an article for the succeeding year. It is not necessary to stack the manure with the pile at this time, but if ground bone is to be used it is better to sprinkle it into the pile now. Bone dissolves slowly and the earlier it is incorporated in the soil the better, and it also helps the rotting of the sod. Take advantage of the slack time with both the men and teams and get the compost pile up at once.

Pot Grown Roses.

The hybrid perpetual or rambler roses after blooming if desired to force another year, in order to bloom them early should be grown in pots during the summer. They can be pruned back after blooming and lifted, or if in pots should be repotted. This will require a good, strong soil, composed of two-thirds loam and one-third manure. When potting be sure to give good drainage and pot firmly, ramming the soil down hard. It is impossible to grow roses successfully in a loose soil. The plants should be plunged to rim of the pot outside where they can be freely watered. Avoid, if possible, placing them against the greenhouse or other building or against a fence, but plant them where they will have a free circulation of air and can be sprayed from either side. If planted against a building or in close quarters they frequently become infected with red spider during the hot weather and it is nearly impossible to get rid of them.

CHRYSANTHEMUMS

Early Planting.

This month is the season for the planting of the chrysanthemums to be grown for commercial cut flower purposes, particularly those of the early and midseason varieties. Any delay in attending to this important work from this time on will begin to tell on the plants, as it will also do on the crop. The early sorts should be given immediate attention, and should be planted as soon as possible. To have early flowers early planting is essential. Growers who are generally first on the market with their early varieties usually do their planting in May, thus gaining considerable time on the man who has to hold off until getting rid of his Memorial day stock before being able to plant.

When mapping out the plan of planting, figure on giving the early varieties space to themselves and the



CLEVELAND PEONY SHOW.

Gold Medal Exhibit of the Harris Boston Fern by Hart Bros., Cleveland.

Combating Flies.

With the widespread realization of the fact that flies spread disease as well as cause almost intolerable annoyance, there has developed a demand for efficient means of abating or controlling the nuisance.

The use of formaldehyde (or formalin) seems to offer one such means. R. I. Smith, of the North Carolina experiment station, found that one ounce (two tablespoonfuls) of formalin (40 per cent formaldehyde) in 16 ounces (one pint) of a mixture of equal parts of milk and water in shallow dishes with a piece of bread in the center for the flies to light on, proves very attractive and destructive to the flies, especially when placed on the front and back porches of houses. It is less effective when used inside of the house, although the method was used with good results in ridding dairies of flies.

PORTLAND, ME.—Philip C. Brown will build a greenhouse at 85 Vaughan street at a cost of \$1,500.

same with the midseason and later sorts. It pays to study up and follow out every little detail at the time of planting just as much as it does at any other time. The condition of the plants for planting is one of our first considerations. They should be hardened off a week or so before the time of planting. By keeping them a little on the dry side you will find that they will take hold of the new soil more quickly than plants that have been subjected to heavy waterings at the roots just previous to planting.

The question frequently comes up as to which is the best grade of stock to plant. Plants that have been potted along and are now in 4-inch pots, or smaller stock now in 2½-inch pots are both good, provided they are in a healthy growing condition and have not become hard through neglect of potting at the right time. The larger stock may seem to some growers to have become too tall, but not



CLEVELAND PEONY SHOW.

Display of Orchids by Robt. Weekes, Cleveland.

so if the wood is still green, for they will produce the largest and earliest blooms and of an exhibition and fancy grade. For general commercial cut flower purposes good strong plants from 2½-inch pots are the most desirable.

Chrysanthemums are great feeders and during their growing season can use up a large quantity of manure, but it should be given to them gradually so as not to overload the soil at the time of planting. The best soil is that which is inclined to a heavy nature rather than too light, because a heavy soil will cause the plants to grow short jointed and sturdy, whereas a light soil has the tendency to cause them to make a long jointed growth. Firm planting is also one of the essential points connected with good culture of the chrysanthemum, therefore be sure that the soil is well firmed around the plant.

The distance apart to plant must be governed by the variety under consideration. Varieties which have light growth similar to Ivory can be planted 7x7 inches apart, or a little closer, while those of heavy foliage must be given distance enough between the plants for their proper development, say 8 x 9 inches. Another very important point to be taken into consideration when mapping out the planting is to put all the tall growers in a place by themselves and the same with the dwarfers growing kinds.

The plants should be watered directly at the roots at the time of planting, then allowed to dry out a little before again watering, but syringe them two or three times a day until they have become established. Attention should be given to the late varieties that are not yet ready for planting. Be sure they do not dry out too much while in the pots, but encourage them to make growth by keeping a moist atmosphere at all times. The stock intended for pot culture should also receive attention. Work them along as they need it, and pay close attention to topping back the shoots to keep them dwarf and to encourage them to break freely.

C. W. JOHNSON.

European Horticulture.

FROM THE ENGLISH TRADE PRESS.

The Gardens of Skibo Castle—The Sutherland residence of Andrew Carnegie, are remarkable for their roses, for these fragrant flowers have been planted in prodigal profusion, and thrive amazingly under the conditions that obtain in the northern part of Scotland. Rambling and dwarf roses are both grown in large numbers, and with an equal amount of success. Of great beauty is the effect produced by the roses that fill the eight large beds which encircle the fountain that forms so conspicuous a feature of the gardens. Each bed contains about 450 plants, and conspicuous among the varieties are Madame Abel Chatenay, Madame Ravary, Frau Karl Druschki, Juliet, Lady Battersea, Mrs. John

Laing, and Richmond. There are rustic posts rising to a height of eight feet, clothed with Dorothy Perkins, Blush Rambler, Hiawatha, and other varieties of the same class, a hedge composed of the richly-colored Gruss an Teplitz, and a pergola some 600 feet in length, on which the various climbing and rambling roses are displayed to the greatest advantage. Most delightful also is the effect produced by the roses that clothe the balustrades which support the terrace.—Gardener's Magazine.

Golden-leaved Caladiums.—The first of the golden-leaved caladiums were raised at Chiswick somewhere about forty years ago, and at once aroused attention by reason of their distinctness from any of the other varieties then in cultivation. They are particularly bright and attractive in the spring just as the young leaves unfold themselves. In constitution these golden-leaved varieties are less vigorous than most of the others, and, though most of them are old kinds, they cannot be regarded as common. Among the earlier varieties are Princess of Wales, Princess of Teck, and Princess Royal; while more recent varieties are Golden King and Golden Queen.—Gardener's Magazine.

Potatoes as a Cure for Headache.—Those who have hitherto regarded the humble potato solely as a wholesome and useful vegetable will be interested to learn that it possesses other virtues. According to a short article in the *Lancet* the small doses of poisonous solanine contained in a healthy potato "are stated by some authorities to be an excellent sedative, and more efficacious in long-standing neuralgia than either antipyrine or antifebrin. We have little doubt that oftentimes a judicious diet of potatoes would be of greater benefit to a good many self-physicking people than a dose of some antipyretic substance which they regard as adapted to relieve all headaches, whatever their origin."



FUCHSIA AT THE CLEVELAND SHOW.

Exhibited by Hart Bros

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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SUBSCRIBERS should renew promptly to insure regular delivery of the paper. The yellow address label on the paper shows date of expiration.

THE publicity committee is distributing some attractive postal cards showing the armory and coliseum in which the Minneapolis convention of the Society of American Florists will be held next August.

WE are indebted to Wesley Greene of Des Moines, Ia., for a pamphlet of 32 pages giving a preliminary list of hardy herbaceous plants for the gardens of Iowa. This is of real and substantial service to floriculture.

A GUILD composed of the past and present employees of the Edinburgh Botanic Garden has been formed and full particulars of the organization may be had on application to W. H. Morland, Secretary, Botanic Garden, Edinburgh, Scotland.

THE Massachusetts Agricultural College has issued an illustrated announcement of the curriculum of its summer school, July 1 to August 2, 1913. Horticulture, landscape gardening and kindred subjects are covered in a practical way.

Ladies' Society of American Florists.

The Ladies' Society of American Florists offer a yearly bowling prize of \$25.00 to the lady having the highest score, said lady bowler to be a member of Ladies' S. A. F.

MRS. CHAS. H. MAYNARD, Sec'y.

New York Spring Show.

Promoters and friends of the New York Spring Show held a meeting June 13. Frank Pierson was elected permanent chairman; John Young, secretary; F. R. Newbold, treasurer; Harry Bunyard, Chas. H. Totty and Wallace R. Pierson were appointed a publicity committee. The guarantee list is over \$4,500. There will be a meeting June 18 to approve and send out the schedules. Local societies are invited to co-operate.

JOHN YOUNG, Sec'y.

Totty's Message of Thanks.

Members of the Society of American Florists and the National Association of Gardeners:

I wish to thank each and every one of you individually for the magnificent gift which I was presented with last week in recognition of my work as chairman of the International Flower Show. This present is all the more appreciated because it was entirely unexpected. I feel the success of the show was due, not so much to my hard work, as to your earnest co-operation with me in every way. I only regret I am unable to share this beautiful gift with my fellow-committeemen, who worked hard and have been faithful and without whose assistance the show would have been an impossible undertaking. Trusting I may have the pleasure of reciprocating in some way in the near future, I remain,

C. H. TOTTY.

Chicago to Minneapolis.

The Chicago Florists' Club has selected the Chicago Great Western railroad as the official route to Minneapolis, Minn., for the annual convention of the Society of American Florists, August 19-22. The "florists' special" will leave the Grand Central Station, Fifth avenue and Harrison street, at 6:15 p. m., August 18, arriving in Minneapolis August 19 at 7 a. m. The rate from Chicago to the convention city and return is \$16.00. Florists and their friends, whether members of the club or not, who start from or pass through Chicago, are cordially invited to join the crowd for the trip. The train will be one of the best appointed in the country, and will include buffet-library cars, compartment-drawing room sleeping cars, observation and dining cars. The sleeping car rates are \$1.60 for upper berth and \$2.00 for lower berth. Compartments are \$5.00 and drawing rooms \$7.00. A table d'hôte dinner will be served for \$1.00. Music on the train will be a feature of the trip. Full information may be had by addressing J. B. Deamud, chairman transportation committee, Chicago Florists' Club, 160 North Wabash avenue, Chicago.

The Smith Memorial.

The committee appointed by the Society of American Florists at Chicago last year to solicit funds for the erection of a suitable memorial to the late Wm. R. Smith at the national capitol has about completed all the preliminary work, and is now ready to start an active campaign to see what can be done. The committee is sending out letters to the secretaries of all florists' clubs, etc., asking them to bring the matter before their organizations and assist in securing this fund. Any suggestions that may occur to readers would be welcomed by the chairman of the committee, Wm. F. Gude, 1214 F street, Washington, D. C.

Plant Quarantine Decision No. 3.

The Federal Horticultural Board recommends that regulation 8 of the rules and regulations for carrying out the Plant Quarantine Act (37 Stat., 315), published in circular No. 41, revised, office of the secretary, issued December 20, 1912, be amended, to take effect as amended on and after May 1, 1913, so as to read as follows:

NOTICE OF SHIPMENT BY PERMITTEE.

Immediately upon the entry and before removal from the port of entry of nursery stock, for each separate shipment or consignment thereof, the permittee shall notify the Secretary of Agriculture, through the collector of customs where entry is made, on forms provided for that purpose, stating the number of permit, the date of entry, the general nature and quantity of the nursery stock, the country and locality where grown, and the name and address of the consignee to whom it is proposed to forward the nursery stock, together with the probable date of delivery for transportation.

At the same time a copy of the notice to the Secretary of Agriculture shall be sent by the permittee to the duly authorized inspector or other officer of the state, territory, or district to which the nursery stock is to be shipped. Lists of such inspectors and officers may be obtained on application to the collector of customs or the Federal Horticultural Board, Washington, D. C.

Permits may be canceled and further permits refused if a permittee fails to give either of said notices, or gives a false notice, or knowingly mislabels any nursery stock with intent to evade any provision of the Plant Quarantine Act or of any regulation thereunder.

Should a consignee named in such a notice ship or deliver for shipment to any other state, territory, or district such nursery stock before it has been inspected by a duly authorized state, territorial, or district inspector or officer, he shall prior to such shipment give like notice to the Secretary of Agriculture and to the duly authorized inspector or other officer of the state, territory, or district to which the nursery stock is to be reshipped.

Imported nursery stock which has been once inspected will be allowed to move interstate without restrictions other than those imposed on the interstate movement of domestic nursery stock.

C. L. MARLATT, Chairman,
W. A. ORTON,
GEO. B. SUDWORTH,
W. D. HUNTER,
A. V. STUBENRAUCH.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—As saleslady and designer in a Chicago retail store. State salary and hours when writing. Address
Key 834, care American Florist.

Situation Wanted—Man fully experienced in all lines of outdoor and indoor gardening is open to engagement where high grade gardener is needed. Address.
Key 835, care American Florist.

Situation Wanted—By Gardener, on commercial or private place; 12 years experience in growing all kinds of cut flowers, plants under glass, vegetables, care of lawns. Age 26. Address.
Key 852, care American Florist.

Situation Wanted—By Englishman, 14 years experience in all branches, seven in America. Well versed in orchids, roses, fruit culture under glass, and all kinds of cut flowers, lawns, etc. Age, 29. Address.
Key 833, care American Florist.

Situation Wanted—In private place, 18 years experience in flowers, vegetables, care of lawns, well up in all branches. Can speak English, German and Swedish; age 32 years. Married, no children. Address.
Key 851, care American Florist.

Situation Wanted—Young business man of refinement who has failed in his own business, wishes to meet widow who owns large store. Desires position as designer of floral pieces for funerals. 30 years old. Address.
Key 850, care American Florist.

Situation Wanted—As Gardener on commercial or private place, German, age 38, married, with small family. 22 years experience in all branches of gardening and florist work. Good landscape gardener. Can furnish best references.
Key 854, care American Florist.

Situation Wanted—By gardener: Scotch; as head in private place; experienced in all branches of gardening, inside and out. Over 20 years in large establishments growing all kinds of greenhouse plants and vegetables. Also care of lawns and landscape work. Age 37; married; no family.
ARCH LITTLEJOHN, 39 Temple St.,
Somerville, Mass.

Help Wanted—Two good American Beauty growers; state wages. Address.
Key 853, care American Florist.

Help Wanted—Young lady, experienced, in flower store. Good wages.
Phone—Belmont 3345.—PEHLKE.

Help Wanted—A good carnation grower, single. State age and send reference. Will pay \$14.00 per week.
W. W. COLES, Kokomo, Ind.

Help Wanted—Young man, experienced in retail florist store. Polish or Bohemian speaking.
PEOPLE'S FLORIST, 1736 West 47th street, Chicago.

Help Wanted—Boys and young men to help in and around greenhouses. Also men who have had some experience in tea roses.
FOEHLMANN BROS. CO., Morton Grove, Ill.

Help Wanted—A good plant man, must understand the growing of all kinds of pot plants; good reference necessary. Address.
Key 845, care American Florist.

Help Wanted—A Rose Grower, \$75.00 per month. Married man preferred.
HESS & SWOBODA,
1415 Farnum St., Omana, Neb.

Help Wanted—Gardener, man with experience and ability to manage my twenty acre country estate. References required. Address.
THEO. F. THIEME, Fort Wayne, Indiana.

Help Wanted—Two bright young men—Carnation Growers—who have had charge of growing sections. State wages, etc. Address.
Key 832, care American Florist.

Help Wanted—A Rose Grower, must be sober and reliable. German married man preferred, familiar with growing in the East. Address.
Key 857, care American Florist.

Help Wanted—A good Chrysanthemum grower and Plantsman; single preferred. Good wages and steady position if he makes good.
METAIRIE RIDGE NURSERY CO., Ltd.,
New Orleans, La.

Help Wanted—At once, growing foreman for greenhouses of 30,000 square feet of glass, who is capable of producing first-class stock of roses, carnations, mums and lilies, and a full line of potted plants. Must be capable of handling help and strictly sober. Good wages to right party. Address.
Key 856, care American Florist.

For Rent—Good paying florist store; greenhouse in connection. Address.
ED. PALMER, 3435 W. Chicago av., Chicago, Ill.

For Sale—Several ice-boxes at a reasonable figure. Address. Key 838, care American Florist.

For Sale—3 houses, about 7,500 feet of glass; 4 acres; dwelling and barn; 20 miles from New York City; 2 minutes to station. Address.
CHAS. MILLANG, 55 W. 26th st., New York.

For Sale—1 Morehead Return Steam Trap and Receiver, almost new, \$45.00.
JOS. MILLIGAN & SON, Florists,
1044 Clydesdale Ave., Salt Lake City, Utah.

For Sale—Good paying retail store in Chicago. Fine location. Other business to look after reason for selling. For further particulars address
Key 837, care American Florist.

For Sale Cheap—Two horizontal return tubular boilers, one 50 h. p., one 40 h. p., suitable for greenhouse or heating plant. Write for full description and price.
W. H. BARRETT, Adrian, Mich.

For Sale—Dandy second hand ice-box for \$175. Just the box for an up to date Chicago retail store. Biggest offer ever made, so get busy and answer this Ad now.
Key 839, care American Florist.

For Sale—Old established retail florist business on a leading avenue of New York City. Good reasons for selling. Terms reasonable.
A. F. F., care American Florist,
124 E. 24th Street, New York.

For Sale or Rent—Greenhouse, 10,000 sq. ft. of glass; modern Concrete, Iron and Wood construction, double strength glass, steam heated, electric lights, city water, built in 1909. Best condition. Population, 14,000; location, Oklahoma. Price right. Address.
D. B. N., Box 82, Clarion, Iowa.

For Sale Cheap—To be removed by Oct. 1st. Between 5,000 and 6,000 feet of glass; about 2,000 feet 4-in. cast iron pipe; two nearly new sectional boilers; water-piping; windmill; 100 bbl. tank and other property, including stock. Near Chicago. Good chance for party building a moderate plant to pick up a lot of material cheap.
Key 844, care American Florist.

For Sale—Here is an opportunity in the "Far West" where there is no hay fever, floods or cyclones: A well established and paying floral business, in a city of 12,500, controlling the select trade of the city and surrounding country, with another store 80 miles away in a town of 4500, which is the only store in the town. The plant consists of two stores, three greenhouses 16x125 each, one lean-to 9x125 (all attached), hotbeds and cash, 35 H. P. T. boiler, four-room dwelling, large boiler room and potting shed, complete pumping plant, automobile, 3 3/4-10 acres land; everything first-class and in first-class condition. We sell more than we can produce. This is an opportunity to get into the business in a new and fast growing country. Books are open for inspection. Reasons for selling will be given. Address.
Key 840, care American Florist.

Help Wanted.

Gardener, to run a small greenhouse plant singlehanded; must be a responsible party. Wages, \$75.00 and house.

A. Klokner, Wauwatosa, Wis.

FLORIST OR GARDENER

Firm in the general nursery and greenhouse plant business has vacancy for young man, well informed on trees, shrubs, herbaceous perennials and general greenhouse stock, to handle a section of the correspondence in these lines. State age, practical experience in above lines and wages. Address.
Key 855, care American Florist.

WANTED

A Carnation Grower for large modern range near New York City; must be able to produce flowers of the very highest quality; have ability to handle a staff of men and run the place in an up-to-date manner. Salary is one of the largest in the east and the place offers exceptional opportunities for the right man. Applicants must furnish the best of references which will be treated confidentially. Interview can be arranged if necessary. Address,

Key 848, care American Florist.

SALESMEN WANTED.

Two good openings for aggressive men open for engagement July first. State fully, experience and salary wanted. Application will be kept strictly confidential.
Northrup, King & Co., Seedsmen,
Minneapolis, Minn.

Offer Them Now

ALL SPECIALTIES

For Cemetery Use
All Bedding Plants
Window Box Stock
Plants for Vases

WHILE DEMAND IS STRONG

Boston.

PRICES MUCH LOWER.

Although the Memorial day business was exceptionally good the reaction that is usually expected after a great holiday trade has arrived. By June 4 stock was very hard to move. The falling off in demand or the heavier shipments, or both, put the wholesale price of carnations down to from \$1.00 to \$2.00 a hundred, which from \$7.00 and \$8.00, the Memorial day prices, was a heavy falling off. Previous to May 30 the weather had been dark and cool, but since then it has been clear and warm, which has greatly increased the supply. A large supply of roses is arriving and though first-class stock commands a fair price, the inferior grades are very cheap. Killarney Queen and double white Killarney seem to be the two varieties that are most in demand. Both red and yellow roses are slow, though in red, Cardinal seems to be the favorite in this market. Sweet peas are plentiful and there is good stock on the market. In what might be called the side lines, such as gladioli stocks, feverfew, pansies and bachelor's buttons, there is a plentiful supply. The old-fashioned bachelor's buttons seem to go well here, as they are prominent in nearly all the retail stores. The school commencements are now bringing in some business, but it is acknowledged that they are not what they formerly were in that respect. Peonies have not, at this writing, appeared in great quantities.

NOTES.

Thomas Roland of Nahant, having made a great success as a plantsman, is now fairly embarked as a grower of cut flowers. At Revere, Mass., he has erected two very fine houses, one 50 x 600 feet, the other 60 x 525. The latter house, which was erected last fall, is now planted with the leading varieties of roses. The larger house is now in tomatoes. Both houses were erected by the Lord & Burnham Co. and seem to be about the last word in commercial greenhouses. There is a large and commodious boiler house of iron and concrete. The heating is by two large Cunningham boilers.

W. A. Bridgeman of Thos. F. Galvin's staff, will go to New York to open and manage the new store which Mr. Galvin is erecting there. Mr. Bridgeman has had previous experience in the retail trade of New York.

Penn. the Florist, reports a great Memorial day business. Mr. Penn is now so well advertised that some of his correspondents do not take the trouble to write his name on the envelope; they just make a sketch of a pen and stick on a two-cent stamp and he gets the letter.

Andrew Christensen of Stoneham is another grower who has made a success with carnations. Some time ago Mr. Christensen visited Panama and saw the canal as well as much of the adjacent territory. He was much interested in the botanical features and in the diversity of climate and products, ranging from growths similar to our own field vegetables, on the uplands, to palms and other tropical plants on the lower levels. He agrees with many other visitors that the canal is a wonder.

The directors and stockholders of the Boston Flower Exchange, Inc., are much pleased with their new home, Winthrop square and Otis street, as indeed they should be. That section of the city, which already is a great wholesale center for various lines of business, will soon have increased transportation facilities, a new subway being under construction under Winthrop square.

Albert Roper of Tewksbury, who is an originator of carnations, has a new

TELLS HOW AND WHY.

New and Revised Edition

Chrysanthemum Manual.

BY ELMER D. SMITH.

THE BEST BOOK ON THE SUBJECT.

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WE ARE NOW BOOKING ORDERS. PRICE, 50 CENTS, CASH WITH ORDER.

The American Florist, 440 S. Dearborn St. Chicago.

pink one, named Alice Coombes, which is much in demand and brought a record-breaking price for Memorial day. It will eventually be disseminated. Mr. Roper advises us that he has also a number of other very promising seedlings.

Other growers of this market who had a fine Memorial day business in carnations were W. R. Nicholson, Framingham; S. J. Goddard, Framingham, and Frank E. Putnam, North Tewksbury.

David Welch of Welch Bros. will sail from Boston June 24 on the S. S. Laconia for Queenstown, Ireland. He will spend about five weeks visiting old friends, returning on the Franconia.

At Mrs. Zinn's Flower Shop, 34 West street, we found business very active and a good Memorial day trade was reported.

Neil Bros. of Dorchester have opened a retail store at 178 Federal street.
A. F. F.

Washington.

STOCK OF POOR QUALITY.

Business is slow with plenty of stock on the market, but it is of poor quality. The roses are wide open when they arrive. Local carnations are very poor and the good ones are all from the north.

NOTES.

J. H. Small & Son have had a very good week with some large dinner and luncheon orders for the Brazilian envoys who are visiting Washington. John Barrett gave a large luncheon in their honor. The decorations consisted of Hillingdon roses, yellow daisies and yellow snapdragon, making a very pretty combination. Z. D. Blackistone

had the decorations for the reception and dinner given in honor of the special ambassador from Brazil. The table was a large hollow square filled in with large American Beauty roses, cibotium ferns, crotons and hydrangeas, making a very attractive and artistic decoration. Mr. Blackistone also had a very pretty luncheon for the ambassador. We note that he is getting to be an expert on the game they call golf.

C. L. Jenkins & Son have incorporated for \$10,000 and intend to build a couple of large houses in the near future. Here is one firm that has made a success in the last few years by growing a few novelties that the other man would not think of growing.

Chas. Meehan and W. McKissick spent one day up the river trying to get some of the large fish we hear so much about but up to date we have not heard what luck they had.

Gude Bros. report business fair for this time of the year. They are cutting some very fine sweet peas.

Mrs. Fowler, "the water lily lady," is cutting some very nice lilies and finds a ready sale for all.

Geo. H. Cooke is taking advantage of the good weather to go fishing.

Visitors: J. Goudy, representing H. A. Dreer & Co., Philadelphia, Pa.; M. A. Leganger, representing A. L. Randall & Co., Chicago.

G. C. D.

WATERLOO, IA.—I. O. Kembel has purchased the greenhouse of S. O. Crittenden and will erect a two-story office building on the same property.

MONTCLAIR, N. J.—The Montclair Garden Society held a flower show in the new Art Museum May 17.



☞ These pictures partially show what happened to two of **many** well constructed greenhouses during the windstorms last March.

☞ A number of very well built stacks and water tanks were also blown down, putting the heating plants out of business. As a result the spring crops were killed by frost, not only in the destroyed sections but also in the balance of the ranges, because of lack of heat.

☞ **YOUR** plant may be affected by the next storm and your entire assets wiped out in a few seconds. Are you financially prepared to rebuild, restock and carry yourself until another crop can be grown?

WINDSTORM INSURANCE

can now be secured, at a reasonable expense, in first-class Stock Companies, on Northern Illinois Ranges, covering damage to your entire plant and its contents, except growing plants and flowers. Write or call for full particulars.

FLORIAN D. WALLACE



INSURANCE EXCHANGE BUILDING

CHICAGO



Beauties-Roses

Yellow Roses Our Specialty

Carnations--Easter Lilies

Now in Crop with Us. Carnations and our assortment of Roses in lots of 500 or more at the rate of \$15.00 per 1000. Fancy Easter Lilies, per 100, \$8.00.

Buy Direct From the Growers.

BASSETT & WASHBURN

LONG DISTANCE PHONES,
CENTRAL 1457.
AUTO., 47-314.

OFFICE AND SALESROOM,
131 N. Wabash Ave., CHICAGO, ILL.

Chicago

HOTTEST JUNE WEATHER IN HISTORY.

The continued hot spells followed by cooler weather keeps the market in a very unsettled condition for on excessively hot days there is hardly any business transacted and the buying consequently is very light. During the early part of this week the city experienced the warmest June day ever recorded by the weather bureau, the thermometer registering 98.4° in the shade. A general dullness seems to pervade all branches of the trade except the bedding line, and that is nearing its end. The falling off in the demand has caused some growers to start planting their roses, for they feel that it is far better to get the young stock well established, than to grow the old plants on and throw the cut away. There is an oversupply of stock of all kinds at present and prices are extremely low. American Beauty is seen in large supply at nearly all the stores that handle them and some of the blooms are of good quality, especially those that are being cut off the young stock which was planted early. Killarney is beginning to show the effects of the summer weather and in many cases are light in color and open very quickly. Richmond also opens out very rapidly and in order to have them close have to be cut very small. White Killarney and all the other white roses have been in good demand all week and there is no great surplus of them. Carnations are approaching the end of the season and many of the blooms show it. There are still some blooms of good quality, but the majority are small and lack substance and sell at very low prices. There are plenty of peonies of all kinds to be had and the

prices on them like all the other stock are very low. Orchids are again very plentiful and are being sold in large quantities at unusually low prices, which allows the retailer to make a splendid showing in his windows at practically no cost whatever. Sweet peas are still seen in large supply and keep up well considering the unusually warm weather. Lily of the valley is plentiful and the same can be said of gladioli which are now particularly good, especially America, Augusta, Shakespeare and Mrs. Francis King. The early summer flowers are now adding a great variety to the supply. Delphiniums and bachelor's buttons make the blue, coreopsis and gaillardia the yellow. Field daisies are arriving in exceptionally large quantities and one dealer expects a shipment of pond lilies this week. Ferns have taken another drop in price and there is now plenty of good new stock as well as some very good storage stock to be had. Taken all in all, there is no shortage of anything and an oversupply of almost everything and an extremely dull market.

NOTES.

Miss Nettie Parker, the Chicago Carnation Co.'s popular bookkeeper, is again attending to her duties at the store after a severe siege of diphtheria. Miss Parker wishes to thank her many friends in the local market for the many offerings of flowers that she received while she was sick.

Mrs. Theo. Callos is doing very nicely in her new store at 117 South Dearborn street, and which will hereafter be known as the Dearborn Flower Shop. Mrs. Callos is ably assisted at the store by her brother, Gus. Pedersen, who is in active charge.

H. VAN GELDER

L. M. JONES

PERCY JONES
INC.

WHOLESALE COMMISSION FLORISTS

56 East Randolph Street
CHICAGO

THIS WEEK ONLY.

4-in. Chiffon.....	2c a yard
6-in. ".....	3c a yard
10-in. ".....	4½c a yard
6-in. Valley Chiffon.....	5c a yard
10-in. ".....	7c a yard
4-in. Dotted Chiffon.....	3½c a yard
6-in. ".....	4½c a yard
6-in. Spirit Netting..	3½c a yard
12-in. ".....	6½c a yard

3% off for Cash.

If any item we ship is not entirely to your satisfaction, return it upon receipt and we will gladly pay return charges and ask no questions. Merely say you cannot use it.

Watch This Column Every Week.

YOU LOSE MONEY

When you buy without writing us for prices

Joe Bieber and wife will leave this week for a few weeks' visit at Toledo. O. Mr. Bieber will return in time to accompany John Young to Minneapolis, Minn., where he will assist him with convention matters.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

CATTLEYAS

10,000 to 15,000 blooms now
ready to ship.

SPECIAL QUOTATIONS ON LARGE LOTS.

Carnations

Special low price on 1000 or larger
lots. Write us now for price.

Valley

We have a large supply ready to fill orders on
short notice. We grow this in very large quantity.

Use the Best; Poehlmann's is superior.

Roses

We will have our usual large supply of short
and medium length Roses. These grades are most
desirable for all occasions.

Sweet Peas

We will have ample supply of the Spencer or
Butterfly varieties, also the common varieties.

Easter Lilies

The valuable Lily we grow in large quantity.
It is very popular for Decorations and Weddings.

Am. Beauties

Our extra long are in good supply and are
extra fine quality; can fill all orders.

Adiantum, Smilax, Sprengeri, Asparagus, Galax.

New Crop of FANCY FERNS Now Ready.

If our weekly price list does not reach you send in your name and you will get it regularly.

SUPPLY DEPARTMENT

Baskets For Commencements and Weddings.

Wire Designs

Wheat Sheaves

WRITE FOR SPECIAL PRICES

A COMPLETE LINE OF FLORISTS' SUPPLIES.

NEW SPHAGNUM MOSS, per bale, \$1.25

Write for prices on quantity.

GIVE US A TRIAL ORDER ON SUPPLIES

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

BEAUTIES--ROSES--CARNATIONS

Buy from us and get the best stock in the market at the most reasonable prices.

CURRENT PRICE LIST—Subject to change without notice.

American Beauties

Per Dozen	Per Dozen
60-in. stems.....\$3 00	24-in. stems.....\$1 50
48-in. stems.....2 50	16-in. stems.....1 25
36-in. stems.....2 25	12-in. stems.....1 00
30-in. stems.....2 00	

Killarney.

Per 100	Per 100
Extra special.....\$ 7.00	Medium.....\$4.00
Selects.....6 00	Good.....3.00
Fancy.....5 00	Short stems.....2.00

Richmond.

Per 100	Per 100
Extra special.....\$7.00	Medium.....\$4.00
Selects.....6 00	Good.....3 00
Fancy.....5 00	Short stems.....2 00

My Maryland.

Per 100
Extra special.....\$ 7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

White Killarney.

Per 100
Extra special.....\$ 7.00
Selects.....6.00
Fancy.....5.00
Medium.....4 00
Good.....3.00
Short stems.....2.00

Sunburst

Per 100
Extra special.....\$10.00
Fancy.....8.00
Good.....6.00

Roses, our selection - - - \$3.00

Carnations.

Special.....\$2 50
Good.....\$1.50 to 2.00
HARRISII.....\$12 50 to 15 00
FERNs, per 1000.....\$3.00
NEW FERNs, per 1000.....2.00
SMILAX, per doz.....\$2 00 to 2.50
ADIANTUM, per 100.....1.00
GALAX, per 1000.....1.00
SPRENGERI, per bunch......50
ASPARAGUS SPRAYS, per bunch......50

Poehlmann Bros. Co. is cutting heavily in orchids at present and some magnificent blooms are to be seen daily at the store. The new lath house, 27x200 feet, which is now being erected at Morton Grove, is nearly completed and resembles a summer garden somewhat in appearance. August Poehlmann seems to be well satisfied with the firm's venture into the plant business, and is inclined to think that the Boston fern is the most profitable plant to grow. Twelve benches, some 375 feet long, will be devoted to ferns at their establishment next season.

The next regular meeting of the Cook County Florists' Association will be held at the Tavern, West Washington street, on Thursday, June 19, when a supper will be served and the league bowling prizes for the season just closed distributed. The association is now organizing a baseball nine which was out for practice for the first time on June 15. As soon as the team has a little more practice it is going down to Joliet to trim Peter Olsen's crack aggregation, but in a little better style than the local team did last year.

Wietor Bros. have finished planting their Killarney, White Killarney and American Beauty plants and are busy getting things in shape for the remainder of the stock which is yet to be planted. N. J. Wietor is well pleased with the past year's business in general and thinks that the summer's business on the whole will still be very satisfactory.

John Kruchten visited the Deerfield Nurseries on June 16 and found that the houses which were damaged by the recent cyclone are nearly repaired and ready for glazing. Mr. Kruchten handles the entire gardening output of the Deerfield Nurseries

as well as the other miscellaneous stock which it grows.

F. J. Simons, who is employed in Percy Jones' cut flower department and H. Van Gelder's right hand man, is enjoying a well-earned vacation with relatives at Lincoln. Mr. Van Gelder was well pleased with the results of his ribbon sale last week when he booked a great many new orders.

E. E. Pieser, president of Kennicott Bros. Co., says that he will give \$25 as a prize to the exhibitor making the largest display of blooms of any one color of peonies at the next annual meeting of the American Peony Society which will be held in this city in 1914.

Phil. Schupp, with J. A. Budlong, is away on business but is expected back this week. His firm is cutting a fine grade of American Beauty roses now but the stock has not moved as it ought to according to Wm. Hornberg, who is Mr. Schupp's right hand man.

At A. L. Vaughan & Co.'s store trade is as good as can be expected considering the present market conditions and the best of everything seasonable is now obtainable here. Smilax has been in unusually good demand at this house all week.

Peter Reinberg is supplying his trade with a fine grade of American Beauty roses from young plants, in addition to his usual good line of other stock. The store employes are now making arrangements to take their vacations.

Chas. Klehm reports that Klehm's Nurseries only had half a crop of peonies this year. His firm recently purchased a farm in Arlington Heights which will be used as an addition to the peony plantation.

J. F. Kidwell says that the stock-

A Vacation for Everybody.

The Wabash has issued an attractive summer tour book with the above title, in which you will find the kind of information you want. Write for a copy. It is free. F. H. TRISTRAM, Asst. Gen'l Passenger Agent, 68 W. Adams, Chicago.

holders of the Chicago Flower Growers' Association will hold a meeting at the store on July 7. The directors of the firm will meet at the same place on July 9.

Bassett & Washburn are cutting a good line of stock, principally American Beauty roses and Easter lilies. Mr. Washburn will leave next week for a visit with relatives at Pasadena, Calif.

T. E. Waters, Edgar Winterson and Frank Potocka will go to Michigan City this week to secure grounds and make other arrangements for the Florists' Club picnic.

A. Miller, of A. Henderson & Co., attended the joint meeting of the American Peony Society and the Ohio Horticultural Society at Cleveland last week.

The J. B. Deamud Co. is showing a full line of all seasonable stock in quantity and is featuring a fine grade of peonies.

Max Awizzus, the E. C. Amling Co.'s "Killarney Kid," succeeded in catching 40 fish at Lake Waconda on June 15.

Erne & Klingel are featuring some exceptionally fine gladioli, principally America and Mrs. Francis King.

O. Johnson says that the Batavia Greenhouse Co. is nearly through with its planting.

Paul M. Paley has returned to Little Rock, Ark.

ADDITIONAL CHICAGO ITEMS, PAGE 1228.

Large Crop of Beauties

and Roses all of the Best Varieties

The quality is as fair as the weather conditions will permit, and we can truthfully say that there are no better flowers coming into this or any other market.

Send Your Orders Direct to the Grower and They Will Be Taken Care of

Current Price List

AMERICAN BEAUTIES

	Per doz.
Extra long stems	\$4 00
36 inch stems	3 00
30 inch stems	2 00
24 inch stems	1 50
20 inch stems	1 25
15 inch stems	1 00
12 inch stems	\$6 00 per 100
Short Beauties	4 00 per 100

	Per 100
Richmond	
Killarney	Select
White Killarney	Medium
My Maryland	Short
	\$6 00 to 8 00
	4 00 to 5 00
	3 00

Mrs. Aaron Ward	Medium	\$8 00
	Short	\$4 00 to 6 00
Roses, in 1000 lots, short to medium,		
\$20.00 per 1000. Good value.		
Carnations, all good	1 50 to 2 00	
Carnations, fancy	2 50	
Harrisii	per doz. \$1 50 to \$2 00	
Valley	3 00 to 4 00	
Sweet Peas	75 to 1 25	
Smilax	per doz. \$2 00	
Peonies	4 00 to 6 00	
Adiantum	1 00	
Asparagus, per bunch	.50c	
Ferns, per 1,000	\$2 50	

2,000,000 Feet of Modern Glass

PETER REINBERG

30 E. Randolph St.,

**L. D. PHONE
CENTRAL 2846**

Chicago

St. Louis.

BUSY WEEK FOR RETAILERS.

The past week was a very busy one for the retailers. The downtown as well as the West End florists were well supplied with orders for weddings and graduating exercises. Stock in all the wholesale houses was very plentiful, especially in the poorer grades. Carnations the latter part of the week slackened up some. There was a good demand everywhere for fancy stock and this was considered scarce.

CLUB MEETING.

The St. Louis Florists' Club held a very enthusiastic meeting at Shaw's Garden, being especially invited by Superintendent Moore. Sixty-five members were present. In the absence of President F. H. Weber, Charles Young took the chair. Secretary J. J. Bencke, before the meeting was over, was called home by phone, the message being to the effect that his wife had taken ill suddenly. Treasurer Will Smith took Mr. Bencke's place at the meeting. Ramona Park was selected as the place where the annual picnic will be held July 17. H. C. Irish, chairman. Fred Ammann of Edwardsville, Ill., Fred Bruenig, W. C. Smith and R. J. Windler were appointed a committee to confer with Coliseum officials in regard to holding a flower show this fall. After the meeting cigars were passed around and the members were shown over the newly erected green-

houses. Later about 35 visited the Jules Bourdet greenhouses in the near vicinity where the members were royally entertained. Frank Fox and Hugo Schaffer were elected members of the club.

NOTES.

One of the largest wedding decorations was put up Saturday by Grimm & Gorly at the Buckingham hotel. More than 9,000 pink roses and other varieties were used.

It is rumored that this city will make a bid for the S. A. F. conventions for 1914. It is nine years since one was held here.

All the West End florists were kept busy the past week with orders for graduating exercises.

Alex Siegel will leave for his summer cottage in northern Michigan in about two weeks.

Some extra fancy American Beauty roses were seen at H. G. Berning's.

Early closings by the wholesale houses started this week.

W. F.

Cincinnati.

SUMMER CONDITIONS PREVAIL.

In a way the market presents very much of a summer aspect. There are not so many strictly summer flowers as yet, unless you count summer roses. The resemblance comes rather from the condition of the market than the kinds of stock. The offerings far

exceed the call. About half of them are of the best quality while the other half are not so good. The first realizes hardly a fair return while the other brings in just about what it deserves and that is much less than the first. Combined with this for several days we have had a hot spell that vied with any weather mid-July or August could offer. Roses are in very large supply and the stock of the wholesalers contains quite a number of blooms of real merit, but outside of American Beauty none of the varieties are enjoying the call their quality merits. The offerings of giganteum lilies are large and fine. Candidum lilies sell well. Lighter colors in gladioli, too, find ready sales. The darker ones do not sell as well as the lighter colored ones. Lily of the valley meets with a fair call. Sweet peas have been selling well. Pond lilies, while very pretty, find only an ordinary market. The first of the hardy hydrangeas have come into the wholesale houses. Other offerings include corn flower, coreopsis, feverfew and the like.

NOTES.

C. E. Critchell has leased one floor above his present quarters. He will use the new space for the office and display rooms for supplies, while the present quarters will be utilized exclusively for handling cut flowers. Increase of business has necessitated more space.

SEND US YOUR ORDER

For flowers for the June Weddings and other occasions where select blooms are needed and we will fill it with an exceptionally fine grade of strictly fresh stock. We have everything that is seasonable and are particularly strong on **SWEET PEAS, PEONIES, ROSES, GLADIOLI, ORCHIDS** and **GREENS** of all kinds.

A. L. VAUGHAN & CO.,
(NOT INC.)
161 N. Wabash Ave., TELEPHONES: { Central 2571
2572
Auto. 48-734 } **CHICAGO**

We regret to learn of the death of the mother of Jos. Grimm, the popular buyer at R. D. Ruttle's place in Covington, Ky. Mr. Grimm has the sympathy of his many friends in the trade.

Thos. Windram was the first to send hardy hydrangeas to this market this season.

The Rosebank Co. is cutting some very fine smilax.

Visitors: Harry Balsley, Detroit, Mich.; B. H. Klus and wife, Anderson, Ind.; Mrs. Lampert and Miss Lampert, Zenia; Al Newman, Zanesville; Chas. M. Uhl, Greenfield. H.

Cleveland.

MARKET GLUTTED.

The market is about the same as the week previous in so far as stock is concerned. There is a glut of all kinds of stock and prices have dropped to the lowest figure ever known here. Large quantities are moved, but the stock arrives faster than it can go out in the regular channels. Funeral work is not overplentiful, and large church decorations are a little scarce for June, although there are a few good jobs scheduled for the next week. The grammar school and high school commencement this week ought to help move considerable stock, as it always does and after that the summer dullness will be here. Fancy and dagger ferns are a little short of the demand this week. Other greens are plentiful. Orchids and lily of the valley are in good supply now and stock is as good as midwinter quality. Peonies are now the most popular flower and there are millions of them. Water lilies are in, but not in heavy supply.

NOTES.

Let us hope the time will soon be here when all florists will keep as good business hours as the Taylor Flower Shop in the Taylor arcade. They begin the day's work at 8:30 a. m. and close at 5:30 p. m. and at noon every Saturday during the summer. Each employe has a good, long vacation with full pay in the bargain. The store never opens on a holiday, such as Christmas, Easter or Thanksgiving day.

The opening of the new store of Kinney & Levan on Euclid avenue Wednesday and Thursday of the past week was the occasion of a grand display of flowers. American Beauty roses, peonies, gladioli, baskets and vases of roses and carnations filled the aisles, counters, stairways and balconies.

Miss Katherine O'Connor, whose store is at the corner of E. Ninetieth street and Superior avenue, showed her skill in decorating at the Monaghan-Mahon wedding, which took place Wednesday, June 11. White peonies and pink Killarney roses were used, both at the church and the home.

Frank Britton of Rhoadsville, Va., committed suicide by hanging some time either June 4 or 5. He was employed at the time of his death by Frank Brendell, 2515 Lorain avenue. He formerly worked for a number of years for the Ehrbar Floral Co., 3033 Lorain avenue.

Fred Witthuhn left for Europe Sunday evening, June 15, for a four months' vacation. He will travel through France and Germany principally and is taking his youngest son, Frank, with him.

The first water lilies of the season arrived Monday, June 9. C. F. B.

Wichita, Kans.

SPRING TRADE BRISK.

May, 1913, is on record as the hottest and windiest May since the weather observation station was established here. Also it was one of the driest, all of which made it interesting if not encouraging to the local florists. In spite of this handicap, the spring season's trade just closing has been brisk and up to all reasonable expectation as to volume. In fact, there was a nice increase in the demand for general bedding stock, and most lines are now sold reasonably close. Much of this demand has come from territory tributary to this city, as a trade center, and is a favorable indication of the development of this comparatively new territory from the pioneer class into the community of substantial progress, where the importance and satisfaction of the development of the attractive and aesthetic receive serious attention. Individuals and communities are willing to spend more freely and with better directed effort to beautify and make attractive a land which first built its strength upon its natural advantages as a productive agricultural territory. Mother's day here, as almost everywhere, it seems, was the best yet since the day was started. Practically everything that was fit and much that was not fit was sold clean, and still the demand was unsatisfied. There was practically no advance in prices, and the buying was usually in small orders, although as many bulk orders were to be had as the florist wished to take, in view of the certain demand by the larger numbers whose trade at such a time means the suc-

cessful continuation of the custom. A slightly increased demand was noted for gift boxes or a "nice plant for mother." It all helps, and only the most awkward or greedy handling of the situation can spoil one of the best days for the florist and for the public as well. Memorial day compared favorably with previous years. Prices were about as usual for that day, and but slightly advanced on a few items over the usual everyday prices for this time of the year. Peonies, jasmine, carnations, roses and lilies were in good demand in about the order named, so far as could be noted. There was ample supply except in carnations, which are usually hard to get in quantity and dependable quality at this season. Peonies were excellent and a large part of the supply was locally grown. Jasmine was the best for years, and large quantities were used. A heavy bedding plant trade was enjoyed by all the florists, and it is doubtful if a dozen first-class blooming geraniums of one color in good flower could have been found for sale in the city on the afternoon of May 30.

NOTES.

F. Kuechenmeister, since discontinuing his store more than a year ago, has had little trouble in disposing of his stock at his greenhouses, and says trade has been good all spring. The Kuechenmeister children (they are all boys) have equipped an amateur wireless station and no doubt will soon be planning to handle their own special service in telegraph delivery.

It is reported that the business arrangement between Bixby and Dugan will probably terminate by mutual consent at the expiration of the time period of the agreement. Mr. Bixby, the owner of the property, continuing the business.

Chas. P. Mueller did an unusually heavy trade in cemetery planting this season, and supplied very excellent stock. His nearness to the cemeteries is a great convenience in this trade.

C. A. Rose has handled an increased quantity of vegetable plants in flats this season, but says that the continued dry weather shortened up the final demand. W. H. C.

Pittsburg.

CONDITIONS VERY POOR.

With much warmer weather with us again, business all around is very poor, flowers being bought in most instances at the buyers' prices, which will make many poor sales reports for the growers. Roses are in large quantities. Sweet peas are also very plentiful, but the quality of them is so bad everybody refuses to have

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

In Quantity:

PEONIES ROSES Carnations Sweet Peas

And everything else seasonable
in Cut Flowers and Greens.Current Price List. Subject to change
without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$2.00	1.50
Killarney.....per 100	8.00	6.00	5.00	4.00	3.00
White Killarney.....	8.00	6.00	5.00	4.00	3.00
My Maryland.....	8.00	6.00	5.00	4.00	3.00
Richmonds.....	8.00	6.00	5.00	4.00	3.00
Mrs. Aaron Ward.....	8.00	6.00	5.00	.....	.....
Sunburst.....	8.00	6.00	5.00	.....	.....
Carnations.....	3.00	2.00	1.50	.....	.....
Lily of the Valley.....	4.00	3.00	.....	.....	.....
Peonies.....	6.00	5.00	4.00	.....	.....
Sweet Peas.....	1.50	1.00	.75	.....	.....
Easter Lilies.....	12.50	10.00	.....	.....	.....
Daisies.....	1.50	1.00	.....	.....	.....
Asparagus Plumosus Sprays..	4.00	3.00	2.00	.....	.....
Asparagus Sprenger Sprays..	3.00	2.00	.....	.....	.....
Smilax.....	16.00	12.50	.....	.....	.....
Galax, Green and Bronze.....per 1000	1.00	.....	.....	.....	.....
Ferns.....	3.00	2.50	.....	.....	.....
Boxwood.....bunch	.25	.....	.....	.....	.....
Adiantum.....per 100	1.00	.75	.....	.....	.....

them. Lily of the valley, irises and daisies are plentiful and very good. The carnation crop has been rather short for the past few days. Many more could have been used. Peonies seem to be at their last stages and probably will be over very soon. Some fine gladioli, which clean up at sight, are still coming in. Among the outside flowers delphiniums and crocus are very prominent. The many commencements and weddings of this month are keeping such stock as American Beauty roses, lily of the valley and fancy roses "on the jump." Good cattleyas are still scarce in Pittsburg, most of the good ones having to be purchased out of town. Greens are plentiful with the exception of smilax, which is hardly seen and is bringing good prices. The plumosus which comes from the south has been arriving in very poor condition for some time, leaving a shower of green dust wherever it is placed.

NOTES.

Jas. B. and Wm. B. Murdoch, of the firm of J. B. Murdoch & Co., wholesale florists, 122 Ninth street, wish to announce that they are no longer connected with the above firm, but will devote their time to the growing of cut flowers at their greenhouses at Van Emmans station. W. H. Carney, the remaining member of the above firm, will continue in the wholesale business under his own name at the above address.

Oliver Crissman of Punxsutawney came to town Monday to attend the ball game and see some friends. Morgan, who was formerly foreman for both F. H. Westhoff and Fred Burki, now has charge of Mr. Crissman's place.

B. W. Spragg, the Washington florist, is having his hands full, this being commencement week at the Wash-

ington and Jefferson College at that place.

Harry Hamm has been hustling very lively of late. It is needless to say that business has been very good with him.

The Finleyville Floral Co., of Finleyville, Pa., is nearly at the end of its cut of carnations for this season.

The Homestead Floral Co., Inc., is the title of the new retail store which will open in Homestead Saturday.

Carl Jurgens of Newport, R. I., is consigning some very fancy lily of the valley to the McCallum Co.

V. A. Cowgill of Salem, O., is shipping some good Kaiserin roses to the Pittsburgh Cut Flower Co.

John Martin starts the vacation rounds at the McCallum Co. this week.

Murray C. King has quit the employ of the A. W. Smith Co.

Visitors: John Weimer, Verona; Max Schrieber, McDonald; Martin Reukauf, representing H. Bayersdorfer Co., Philadelphia; Otto Bruenig, representing H. G. Berning, St. Louis. Mo. J.

San Francisco.

TO BOOST MEMORIAL DAY TRADE.

Outside of shipping orders, Memorial day in the past has caused but little activity for the local shops, counter sales being increased hardly 10 per cent. This was not due to a lack of observance but that the people objected to the annoyance of carrying wreaths or cut flowers for 10 or 12 miles in loaded cars and arriving at the cemeteries with rumpled flowers and ruffled tempers. Peddlers of all kinds become flower merchants for the day and, swarming the entrances to the cemeteries, dispose of great quantities of cheap wreaths and flowers of all descriptions. Shipping orders this week were unusually heavy and local

orders far more numerous. The market toned up and Thursday morning saw the retailers buying up stock before it was unloaded. A visit to a number of shops on Friday night showed them very nearly depleted. While the greater part of the stock was shipped to the interior the local public is evidently tiring of the wilted, cheap trash of the peddlers and our retailers should take advantage of the trend and secure the trade they have been losing. A number or all of the local florists might cooperate to maintain a covered van at each of the large cemeteries on Memorial day and the day preceding. A florist receiving an order or making a sale could deliver the order to the wagon assigned to the cemetery where the order was to be used; the purchaser on leaving the car would receive the order on presenting a tag received at the time of purchasing. The cost of this service could be apportioned according to the value of the business done by each florist, this being determined by placing the sale price on each tag given to the customer to reclaim the order. With a year's time to work out the details the necessary publicity could be given this plan to keep trade in its proper channels. Florists' stock of all kinds with the exception of callas was plentiful all week and notwithstanding the heavy demand the market was steady at prices fair to all.

NOTES.

A pretty feature of the Mayflower shop (Frank Bradford, proprietor) is a profusion of wild azaleas from the Santa Cruz mountains. These dainty blossoms are making a bid for public favor.

M. A. Hofinghoff, the genial secretary of the P. C. H. S., has gone for a month's vacation. His many friends wish him an enjoyable outing.

T.

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street, L. D. Phone, Randolph 6578 CHICAGO, ILL.

Newport, R. I.

An interesting event for June 25-26, will be the exhibition of the Newport Garden Association and the Newport Horticultural Society, at Harbour Court, the estate of Mrs. John Nicholas Brown. The Garden Association is not composed of gardeners but of wealthy ladies who are interested in gardening and horticulture in general. A good prize list is offered and doubtless the exhibition will be worth while. It will be superintended by Joseph Manda of West Orange, N. J., and New York, who is as well qualified for the position as any one in the country.

The New York Florists who make an annual pilgrimage to this city for the "season" are already here and active in opening shop. Wadley & Smythe have already opened their store, which is in charge of Henry Mollers, who though he is yet a young man, has been coming to Newport for the past 16 years. In the business of the store he is assisted by William Kohler, another of the good salesmen whom Fred W. Smythe has the faculty of gathering on his staff.

Oscar Schultz, one of the progressive florists of this city, now conducts the old Hodgson range and has in addition a considerable glass area on Thames street and a retail store at 18 Broadway. At his Thames street range we noted very fine orchids and many window boxes filled in a very artistic manner. In the latter line of work he shows fine taste.

At the range of Carl Jurgens we noted a few excellent stocks of roses, American Beauty being very prominent. This range, the largest in Newport, is also noted for the fine lily of the valley it produces. The most of the stock is sold in the rooms of the New York Cut Flower Co., New York, by Carl Scheerer.

William Jurgens has practically given up rose growing and is now devoting his attention to lily of the valley, lilies and other bulbous stock and sweet peas of the Spencer type. With the latter he is having remarkable success. He is erecting a fine fire-proof residence.

On the Thomas Galvin estate we found stock in fine condition. Since the death of the elder Mr. Galvin, the estate has been managed by his son, a very capable and agreeable man.

The Newport Nursery Co. of which F. W. Smythe is proprietor and his brother, A. J. Smythe, is manager, is in a very flourishing condition.

A. T. Bunyard and Kammann & Crowley have opened their summer stores here.

A. F. F.

Albany, N. Y.

CLUB MEETING.

At the June meeting of the Albany Florists' Club the committee on constitution and by-laws reported on seven minor changes which were unanimously adopted and ordered printed in a new edition. The changes are to go into effect with the installation of new officers in January. Louis H. Schaefer of the publicity committee reported on advertisements inserted in the local newspapers to stimulate business on St. Valentine's day, Easter, Mothers'

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

day, and Memorial day. He said that for St. Valentine's day \$25 was collected and \$21 spent with the papers; on Easter the committee had a fund of \$47 of which \$44.80 was expended; reports on the two other days were held over until the next meeting. As to the good results F. A. Danker, a former president of the club, said that there could be no doubt. The notices called the attention of the public to the fact that on Mothers' day colored flowers might be worn for mothers who are living and the knowledge greatly stimulated the sale of colored carnations. On the whole the retailers were well pleased with the publicity campaign and expect to keep it up during the wedding and commencement seasons. The advertisements were about nine inches long and three columns wide with special designs, borders, and wording. Communications were read from John Young, secretary of the State Federation of Floral Clubs, and William F. Kasting of the Buffalo Florists' Club, calling the attention of the members to Governor Sulzer's veto of the bill to appropriate \$60,000 for a range of experimental greenhouses for floriculture and vegetable culture at Cornell university. The florists will protest to the governor. Upon invitation of Frederick Goldring the next meeting will be held at his place, Font Grove, on the evening of July 10. R. D.

Fall River, Mass.

The Memorial day business was good, though some complaint has been heard among retailers relative to the high price of stock. At the store of C. Warburton there was a heavy trade and they are now busy with landscape work. At their greenhouses much stock is grown but not enough to supply the demands of their large retail trade. Mr. Warburton has now a sport of the My Maryland rose with which he is greatly pleased, particularly with the length of stem. He is working up a stock and says that though he has had other sports of My Maryland, this is the first one that has interested him.

Paul de Nave, formerly located at Madison, N. J., has a neat range devoted entirely to orchids, of which he has a fine stock. He is making improvements in his houses. Much of his cut stock goes to the local trade.

John W. Meads, though interested in other lines of business, devotes much time to his greenhouses where he has been successful with carnations, stocks and various other lines.

At the greenhouses of John Lambert, 72 Jepson street, much good stock is seen. Mr. Lambert is one of the progressive growers of this section.

F. Buffington, one of the oldest florists of this city, is still active and doing a good business. A. F. F.

Oak Wreaths

Natural prepared American Oak Wreaths, made from preserved and fireproof Oak Sprays in cherry red, golden brown and natural green. Two sizes, 18 and 24 inch. Sample of 24-inch wreath will be sent postpaid on receipt of 90c.

OSCAR LEISTNER, 17 North Franklin Street
CHICAGO

Selling Agents for OVE GNATT, Hammond, Ind.
Preparer of natural foliages.

Chicago Carnation Co.

Wholesale Florists.

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.



Dominick E. Freres

WHOLESALE FLORIST

Roses, Carnations and all other seasonable cut flowers and Greens. Fine fresh stock obtainable at all times at lowest market prices. Give me a trial order.

162 N. Wabash Avenue, CHICAGO

J. B. DEAMUD CO.

Wholesale Florists

Roses, Carnations, Lilies and all other seasonable flowers and Greens in quantity. All orders filled promptly.

160 N. Wabash Ave., Chicago.

NEW YORK.—Lectures on flowers and floriculture are being given each Saturday at the botanical garden, Bronx park.

WAKPETON, N. D.—The Rose Hill Nurseries of Minneapolis, Minn., have delivered a large shipment of nursery stock here.

WATERLOO, IA.—Chas. Sherwood has moved his flower store from the old Tremont hotel block to a new location on Lafayette street.

DIXON, ILL.—C. H. Fallstrom and Louis Knick, who recently purchased the N. H. Long greenhouses, have consolidated their interests under the name of the Dixon Flower Shop, Fallstrom & Knick, proprietors.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Private Exchange to
all Departments.

Phone Central 7720.

CHICAGO

Everything in Cut Flowers and Supplies.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids,
Peonies and Other Seasonable
Stock for Wedding Work.

Long Distance Phone
Central 3598.

Kennicott Bros. Co.

Wholesale Cut Flowers

PEONIES

Extra select, \$5.00 to \$6.00 per 100.
Select, \$3.00 to \$4.00 per 100.

163-165 N. Wabash Av.
CHICAGO

L. D. Phone Central 466

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

HOERBER BROS.

Wholesale **Cut Flowers**

Growers of
Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave.,

CHICAGO

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

ZECH & MANN

Wholesale Florists

30 East Randolph St., - - Chicago

Telephone, Central 3284.

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers
at Lowest Market Prices.

30 E. Randolph St., CHICAGO

Mention the American Florist when writing

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, June 18.	Per doz.
Roses, Beauty, specials.....	\$4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 28-in.....	2 00
" " 15-20-in.....	1 25@ 1 50
" " 12-in.....	50@ 75
" " Short.....	Per 100
" Killarney.....	2 00@ 4 00
" White Killarney.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" Prince de Bulgarie.....	3 00@ 8 00
" Radiance.....	3 00@ 8 00
" My Maryland.....	3 00@ 8 00
" Melody.....	3 00@ 8 00
" Mrs. Jardine.....	3 00@ 8 00
" Lady Hillingdon.....	3 00@ 8 00
" Sunburst.....	3 00@ 8 00
Carnations.....	1 50@ 2 50
Daisies.....	1 00@ 2 00
Cattleyas...per doz., 6 00 and up.	
Gardenias.....	2 00@ 4 00
Lilium Harrisii.....	10 00@12 50
Peonies.....	2 00@ 6 00
Valley.....	3 00@ 4 00
Sweet Peas.....	75@ 1 50
Adiantum Croweanum.....	2 00
Boxwood.....per lb.....	25
Ferns.....per 1000.....	2 00@3 00
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy.....per 1000.....	5 00@6 00
Plumosus Strings.....each.....	50@ 60
Smilax.....per doz.....	2 00@2 50
Sprengeri Plumosus Sprays.....	3 00@ 4 00

We have a big supply of
Mexican Ivy

and a surplus of choice

MAGNOLIA LEAVES

AND PREPARED PALM LEAVES.

H. WITTBOLD

56 Randolph St., CHICAGO
Phone Randolph 4708

Mention the American Florist when writing

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing

Wietor Bros.

Wholesale **CUT FLOWERS**

Growers of
All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
**Choice Cut Flowers
and Greens**

Green Sheet Moss

For lining hanging baskets, for decorating
show windows, for covering soil on pot
plants, etc. 1 Bale (5 bundles).....\$1.25
5 bales (25 bundles)..... 6.00

GEO. H. ANGERMUELLER,
Wholesale Florist. ST. LOUIS, MO.

Philadelphia.

HOT WEATHER, DULL TRADE.

The first really hot weather was experienced the past week, the glass showing a temperature of over 90°. Summer is surely here, this being shown as well in the volume of business, which is falling off rapidly. The transient trade is very light, indeed. The supply of flowers now coming in is hard to handle. Much of the rose stock is badly mildewed, this condition being due to the cool days of the week before. There has been quite a demand for American Beauty roses for the steamer trade. Taft and Hillingdon have sold well, being preferred to Killarney, which is growing less popular. Carnations are in fair shape but are not selling, being dumped to the street men who buy them by the wagon load on Saturday at their own price, something like a nickel a bunch of 25. Sweet peas have been the feature. The outside stock has been very fine and is largely used in wedding and commencement work. Peonies from cold storage are still in good shape and are used in the decorations with good effect. Lily of the valley has been in fair demand at the usual price. Very fine larkspur has been a feature and is much used in the window displays. Gladioli are seen in many of the stocks of extra fine quality. Water lilies are now a feature of the summer window decorations.

NOTES.

One of the Myers & Samtman force at Chestnut Hill met with a painful accident last week. In cutting American Beauty roses a thorn from one of the stems caught in one of his eye lids and tore it so that it required several stitches to sew it together. The eyeball was injured but not seriously.

Building still goes on, old houses being torn down, modern ones of more capacity being erected to take their place. Chas. Zimmer of Collingswood, is building one 40x100 feet and two 25x100 feet. Wm. Monroe of Lansdowne is erecting a rose house 35x200.

Berger Bros. had large shipping orders for wedding and commencement work from their out-of-town trade. Peonies, sweet peas and Easter lilies are leading features with them.

The strong card at Edward Reid's store are superb blooms of Cattleya gigas. American Beauty roses are also a feature. Mr. Reid says business is all right for the season.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, June 18.		Per 100
Roses, Beauty, extra.....	16 00@25 00	
" first.....	10 00@15 00	
" Brides and Maids.....	3 00@ 8 00	
" Killarney.....	4 00@ 8 00	
" White Killarney.....	4 00@ 8 00	
" Liberty.....	4 00@ 8 00	
Carnations.....	2 00@ 4 00	
Cattleyas.....	35 00@50 00	
Gardenias...per doz., 1 00@ 2 00		
Lilium Harrisii.....	8 00@12 00	
Lily of the Valley.....	3 00@ 5 00	
Calla Lilies.....	6 00@ 8 00	
Marguerites.....	50@ 75	
Snappdragons.....	4 00@ 6 00	
Sweet Peas.....	50@ 75	
Water Lilies.....	3 00@ 4 00	
Peonies.....	4 00@ 6 00	
Gladiolus.....	3 00@ 6 00	
Asparagus.....per bunch, 50		

PITTSBURG, June 18.		Per 100
Roses, Beauty, special.....	50 00	
" extra.....	30 00	
" No. 1.....	15 00	
" Killarney.....	3 00@10 00	
" My Maryland.....	3 00@10 00	
" Richmond.....	3 00@10 00	
Carnations.....	3 00	
Calla Lilies.....	12 00	
Freerias.....	3 00	
Gardenias.....	3 00	
Daisies.....	2 00	
Cattleyas.....	50 00	
Violets.....	50@ 75	
Sweet Peas.....	75@ 1 00	
Lilium Longiflorum.....	12 00	
Lilium Rubrum.....	8 00	
Lily of the Valley.....	4 00	
Daffodils.....	3 00	
Tulips.....	3 00	
Paper White.....	3 00	
Romans.....	2 00	
Poeticus Narcissus.....	1 00	
Oncidiums.....	4 00	
Lilac.....per bunch, \$1 00		
Asparagus Sprengeri, per bunch, 35@40		
Sprays...per bunch, 35@40		

MILWAUKEE, June 18.		Per 100
Roses, Beauty, per doz., 3 00@4 00		
" White and Pink Killarney.....	2 00@ 8 00	
" Richmond.....	2 00@ 8 00	
" Wards.....	3 00@10 00	
" Tafts.....	3 00@10 00	
" Mrs. Chas. Russell.....	6 00@15 00	
Carnations.....	1 00@ 3 00	
Easter Lilies.....	8 00@10 00	
Lily of the Valley.....	4 00	
Sweet Peas.....	75@ 1 50	
Daisies.....	75@ 1 00	
Peonies.....	4 00@ 5 00	
Asparagus.....per string, 50		
Sprengeri, per bunch, 35		
Ferns, fancy.....per 1000. \$2 00		

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.
Easter Lilies, Carnations, Sweet Peas,
all the popular roses. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist.

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Supplies and Everything in Season always on hand

For June Weddings—Commencements

BEAUTIES—The largest and best supply in Philadelphia. **VALLEY**—Never without it: a fresh supply every day. **PEONIES**—White and pink, all good varieties. **SWEET PEAS**—We will be very strong on Peas during this month, and are offering you splendid values in this line.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

Edward Reid

WHOLESALE FLORIST,
1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

U S Budlong's E Blue Ribbon Valley.

American Beauty roses are as usual the feature of the Leo Niessen store. It seems as easy to fill an order for a thousand as for a hundred. They have worked up a large shipping trade for this rose and will have a much greater stock next season.

Mrs. Jessie Drew Baer of the London Flower Shop sailed June 19 to visit her relatives in England.

K.

Newport.

John Gibson of Gibson Bros. is a native New Yorker and was once in business there. He has pleasant recollections of many of the older New York florists. Though on the shady side of fifty he is active and in good health. The Gibson Brothers have a good store at Washington square with greenhouses on Malbone avenue and enjoy a steady trade.

A. F. F.

JEFFERSONVILLE, IND.—Joseph Molck, a well-known local florist, has been awarded a medal by the government of France for services rendered in the Franco-Prussian war of 1870-71. He is a native of Alsace and came to this city in 1890.

MAQUOKETA, IA.—H. L. Hill and wife are the proud parents of a new boy, who arrived June 12 and whom they have named Dickson Porter Hill. Mr. Hill was formerly in the cut-flower business at Geneseo, Ill., but recently opened a first class store in this city.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, June 18.		Per 100
Roses, Beauty, special.....	20 00	25 00
" " fancy.....	15 00	20 00
" " extra.....	10 00	15 00
" " No. 1.....	7 00	10 00
" " No. 2.....	3 00	5 00
" " Maid and Bride.....	3 00	6 00
" " Pink Killarney.....	3 00	8 00
" " White Killarney.....	3 00	8 00
" " Richmond.....	3 00	8 00
" " My Maryland.....	3 00	8 00
" " Aaron Ward.....	4 00	6 00
" " Kaiserin.....	4 00	8 00
" " Carnot.....	4 00	8 00
Soapdragon.....	3 00	5 00
Swainsona.....	75¢	1 00
Carnations.....	1 00	2 50
Lilium Longiflorum.....	10 00	12 00
Lily of the Valley.....	3 00	4 00
Pink Japan Lily.....	3 00	5 00
Peonies.....	2 00	4 00
Mignonette.....	2 00	3 00
Daisies.....	1 00	1 25
Sweet Peas.....	50¢	1 00
Asparagus, per bunch.....	35¢	50
Asparagus, Sprenger.....	35¢	50
Ferns.....	per 1000,	\$2 50

BOSTON, June 18.		Per 100
Roses, Beauty, best.....	15 00	20 00
" " medium.....	10 00	12 00
" " culls.....	2 00	
" " White and Pink Killarney.....		6 00
" " Special.....		6 00
" " White and Pink Killarney.....		6 00
" " Extra.....	4 00	6 00
" " Double White Killarney.....	10 00	12 00
" " Killarney Queen Special.....	8 00	10 00
" " Mrs. Chas. Russell.....	10 00	12 00
" " Sunburst, Special.....	6 00	8 00
" " Taft.....	2 00	8 00
" " Cardinal.....	2 00	10 00
" " Ward and Hillingdon.....	1 00	6 00
" " Richmond.....	2 00	8 00
" " My Maryland.....	2 00	8 00
Carnations, select.....	1 50	2 00
Cattleyas.....	25 00	40 00
Gardenias.....	12 00	25 00
Lilium Longiflorum.....	4 00	6 00
Lily of the Valley.....	2 00	3 00
Sweet Peas.....	50¢	75
Daisies, Marguerites, per doz.....	75¢	1 50
Peonies.....	75¢	1 00

CINCINNATI, June 18.		Per 100
Roses, Beauty.....	per doz., \$1 00	\$3 00
" " Bride, Bridesmaid.....	2 00	6 00
" " Killarney.....	2 00	6 00
" " My Maryland.....	3 00	6 00
" " Perle.....	3 00	6 00
" " Richmond.....	2 00	6 00
" " Taft.....	2 00	6 00
Carnations.....	2 00	3 00
Lilium Giganteum.....	8 00	10 00
Lily of the Valley.....	3 00	4 00
Sweet Peas.....	35¢	50
Gladioli.....	3 00	8 00
Asparagus Plumosus.....	per bunch,	25
Soapdragon.....	3 00	6 00



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

**Jobbers of FLORISTS' SUPPLIES,
SEEDS and BULBS.**

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO
Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

St. Louis, June 18.		Per 100
Roses, Beauty, long.....	per doz.,	3 00
Roses, Beauty, medium.....	8 00	15 00
Roses, Beauty, short stems.....	3 00	5 00
" " Killarney.....	3 00	5 00
" " My Maryland.....	3 00	5 00
" " White Killarney.....	3 00	5 00
Carnations.....	1 00	2 00
Lilium Rubrum.....	8 00	
Valley.....	4 00	
Sweet Peas.....	20¢	40
Asparagus Sprenger.....	2 00	3 00
Asparagus Plumosus, per bu.,	35¢	60
Ferns, New, Fancy.....		2 50
Galax.....	per 1000,	1 25

150,000 Chrysanthemum Cuttings.

Extra Fine Stock. Good Value for the Money. Can Fill Orders For 100, 250, 500, 1000, or 10,000, at a Moment's Notice. Order Today.

WHITE		
	R. C. per 100	1000
Smith's Advance.....	\$2.00	\$15.00
White Chadwick.....	3.00	27.50
Lynnwood Hall.....	2.50	20.00
Alice Byron.....	2.00	15.00
Touset.....	2.00	15.00
October Frost.....	2.00	15.00

YELLOW		
	R. C. per 100	1000
Comoleta.....	\$3.00	\$27.00
Golden Chadwick.....	3.00	27.50
Yellow Eaton.....	2.50	20.00
Crocus.....	2.00	15.00
Golden Glow.....	2.00	15.00
Halliday.....	2.00	15.00
Maj. Bonnaffon.....	2.00	15.00

PINK		
	R. C. per 100	1000
Amorita.....	\$2.50	\$20.00
Dr. Enguehard.....	2.50	20.00
Pacific Supreme.....	2.00	15.00
Balfour.....	2.00	15.00

J. D. Thompson Carnation Co., Joliet, Ill.

New York.

THROWING OUT STOCK.

The cut flower trade of this city is in the midst of the summer dullness. The rumbling of express wagons, bringing in great loads of flowers is heard early in the day, but the rumbling of the "dead cart," hauling away the pitiful remains of what were once passably good flowers is heard later on. The past week was probably no worse than the preceding one, but it was certainly no better in some lines. Great quantities of roses and carnations went to the dump, with a fair sprinkling of other stocks. There was some good stock that brought a fair summer price, but little can be said of prices for common stock. Peonies were not so plentiful, but 75 cents a dozen was a good price, grading down to 25 cents per dozen, and there is good stock of them on the market. We should say that anybody that is getting \$2.00 a hundred for lilies is doing well, for the market is smothered with them. There is an abundance of sweet peas and the common kinds are as low as 25 cents a dozen bunches, but peas come about as near to moving, though prices are low, as any stock. The side lines of gladioli, irises, larkspur, coreopsis and various other outdoor flowers are in abundance, but add more color than cash to the wholesale stores. While, as has been stated, peonies were not so plentiful, it is predicted that the "cold storage" crop is yet to be reckoned with.

Monday, June 16.—The week opens with hot weather, a surplus of stock and a very slow market. Sweet peas in enormous quantities are arriving, many of them very fine, but they are too plentiful. With continued hot weather it would seem that the carnation supply will soon diminish, but there are more than enough at present to supply all demands. This is true of all other stocks.

NOTES.

An active campaign for Sunday closing during July and August is being carried on by a number of leading wholesalers and it is believed that the end will be accomplished. Among those who have already signed the agreement to close are: J. K. Allen; W. P. Ford; M. C. Ford; A. H. Langjahr; Gunther Bros.; Badgley, Riedel & Meyer; New York Cut Flower Co.; Moore, Hentz & Nash; Paul Meconi; Walter Siebrecht; L. Bounot; E. C. Horan; W. S. Allen; L. B. Nason; James Coyle; Herman Weiss; Wm.

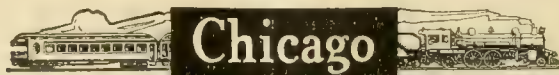
The Chicago Great Western has been named the Official Route of the Chicago Florists' Club to the Minneapolis Convention, August 19th to 22nd.

The Chicago Florists' Club will leave Chicago by Special Train at 6.15 p. m., August 18th, an invitation is extended to all eastern Florists and their friends and families to join them at Chicago and go to the convention in a body.

Special train will be "up-to-the-minute" throughout—including compartment and drawing room and standard sleepers, Buffet Club car, dining cars, Observation parlor, etc., etc.

For berths and information address,

**A. L. CRAIG, General Pass. Agt.,
1139 People's Gas Bldg., CHICAGO, ILL.**



**Chicago
Great Western**

Kessler; Traendly & Schenck; H. E. Froment; Walter F. Sheridan; P. J. Smith; Growers' Cut Flower Co., J. J. Coan, Mgr.; Chas. Millang; Frank Millang; Geo. C. Siebrecht; H. W. Bayliss; B. S. Slinn; James McManus; Henry M. Robinson; Jos. J. Levy. The New York Cut Flower Co. never has done business on Sunday.

By the end of this week the Pier-son department of the New York Cut Flower Co., of which Joseph Millang is manager, will be installed in their new quarters on the second floor of the Coogan building. Moore, Hentz & Nash and the Bedford Flower Co. will

**U S Budlong's
E Blue Ribbon Valley.**

also be found on this floor. The place has been in the hands of carpenters and painters for a number of weeks and is now fitted up in an elaborate manner for doing business, not the

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.

OFFICIAL
S. A. F.**Shipping Labels**

FOR CUT FLOWERS: in two colors on gummed paper: your card, etc., in black and leaf adopted by the S. A. F. in red. Price per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago

least improvement being commodious offices. Both these concerns will have greatly increased space over what they occupied on the third floor. The space vacated by Moore, Hentz & Nash will hereafter be occupied by Louis A. Noe, of which Matthew Sampson, Jr., is manager. Other interests on the third floor will thus secure more space, which they have greatly needed for some time.

M. J. Nicholas, who manages the new store in the Grand Central Station, recently opened by his father, John S. Nicholas, reports excellent business in flowers and fruit. While the flower section is admirable for its good stock, the fruit department is just as notable. Mr. Nicholas is a young man of fine business qualifications and address. As a recreation he is fond of athletic sports, being a member of the New York Athletic Club and other athletic organizations.

The park board, which is composed of the park commissioners of the five boroughs of the city, met June 12 and appointed Carl F. Pilat landscape gardener for the parks. The office has been vacant for more than a month, since the resignation of Chas. D. Lay. Mr. Pilat has offices as a landscape architect at 52 Broadway. He is believed to be well qualified for the position.

The weather of June 14 was very hot. The official report gave 85 degrees at noon, but in the streets in the afternoon it was 90 degrees. This put the Saturday business, usually good, about on a level with the preceding days.

The process of widening Twenty-eighth street by cutting down projecting windows, etc., goes merrily on. Young & Nugent have just got their show window in a shape acceptable to the city fathers and attractive to the public.

Herman Weiss will, on July 1, locate his wholesale business at 103 West Twenty-eighth street.

A. F. F.

Buffalo.

TRADE VERY GOOD.

Trade conditions have been very good since Memorial day. With stock equal to all demands several weddings large and small, have kept the florists very busy, and from now until the end of the month will be school commencements, which will call for a great many flowers. American Beauty roses are plentiful and good. Killarney seems to show the effects of a few warm days. Carnot are good. Carnations are becoming of poor quality. Sweet peas are extra fine, both as to flower and stem. Peonies are good and selling fast. Gladioli, daisies and snapdragon have their usual call.

NOTES.

It is very unfortunate that the governor of this state could not see the necessity of signing the bill appropriating \$60,000 to Cornell University for the projected department of floriculture. It is needless to say that those interested will not stop until an appropriation is made.

Bedding work with the greenhouse men, while late in getting started, has

Paul Meconi**Wholesale Florist**55-57 West 26th Street
NEW YORK CITY

Telephone: 3864 Madison Square

Wholesale Flower Markets

NEW YORK, June 18.		Per 100
Roses, Beauty, special.....	8 90@10 00	
" " extra and fancy ..	4 00@ 5 00	
" " No. 1 and No. 2...	50@ 1 00	
Killarney, My Maryland...		
" " special.....	5 00@ 6 00	
" " extra	2 00@ 3 00	
" " No. 1 and No. 2	25@ 1 00	
" " Queen, special.	7 00@ 8 00	
" " Red, special...	7 00@ 8 00	
" " Hillington, Aaron Ward.	5 00@ 6 00	
" " Richmond.....	50@ 6 00	
" " Sunburst, special.....	6 00@ 6 00	
" " Tait, special.....	5 00@ 6 00	
" " Mrs. Geo. Sawyer, special.	5 00@ 8 00	
Carnations.....	25@ 1 00	
Cattleyas.....	25 00@40 00	
Gardenias.....	5 00@15 00	
Lilies, Longiflorum and Harrisii ..	1 00@ 2 00	
Lily of the Valley.....	3 00	
Gladioli..... per doz.,	50@ 75	
Sweet Peas..... per doz. bunches.	25@ 50	
" " Spencer type, per doz.		
" " bunches.....	75	
Adiantum Croweanum.....	15@ 50	
Asparagus Plumosus..... doz. bchs.	1 50@ 2 00	
Smilax..... per doz. strings.	1 00@ 1 25	
Stocks..... per bunch.	20c@50c	
Snapdragons..... per doz.,	25c@50c	
Peonies, special per doz.,	75c@1 00	
" " common	25c@ 50	

been good, as has the trade in verandah boxes and cemetery vases, cold weather making it late in planting but improving the stock.

BISON.

San Francisco Notes.

At the coming meeting of the San Francisco Florists' Association, President Fred Jaeger, of the Fairmont Floral Co., will introduce a proposition to list in all florist shops such persons who, having exhausted their credit at one shop, transfer their undesirable patronage to another. Mr. Jaeger also believes that the florists should unite in requiring satisfactory reference from all persons desiring to open an account. It is generally conceded that these reforms, if carried out, would be of great value to the florist and should afford some concession to the honest customer also, as, in the long run, it is the paying customer who also pays for the "dead beats."

The fall exhibition committee of the Pacific Coast Horticultural Society organized and elected the following officers: William Munro, manager; H. Plath, assistant manager; T. F. Taylor, secretary; Donald McLaren, treasurer.

CEDAR FALLS, IA.—The Bancroft & Hines Rose Co. is erecting a new greenhouse plant in addition to the one the firm already owns.

EUGENE, ORE.—The Oregon State Horticulture Society held its annual meeting with the Lane County Horticultural Society in this city June 7.

**HORACE E. FROMENT****WHOLESALE COMMISSION**

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.
Mention the American Florist when writing**WM. A. KESSLER**

Successor to Kessler Bros.

113 W. 28th St., NEW YORK.
CUT FLOWERS**WHOLESALE PLANTSMEN AND FLORISTS**Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.
Mention the American Florist when writing**N. Y. Cut Flower Exchange**Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.
Mention the American Florist when writing**Geo. C. Siebrecht****WHOLESALE FLORIST**

109 West 28th St., NEW YORK

Tel. 608 and 609 Madison Square

CONSIGNMENTS SOLICITED

Mention the American Florist when writing

Guttman Flower Growers Co.

A. J. GUTTMAN, President.

Wholesale Florists

Removed to 102 W. 28th St., New York

Phone 1912 and 7983 Madison Square.

18 Years Experience.

Mention the American Florist when writing

The Kervan Company**FRESH CUT EVERGREENS**and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

POEHLMANN BROS. COMPANY
MORTON GROVE, ILLINOIS.
PLANT DEPARTMENT.

M. RICE CO.

The Home of Supplies

OUR "WILLING HELPER" KATALOG
A BIG HELP IN ORDERING BY MAIL

1220 Race Street, PHILADELPHIA, PA.

GOLDFISH



Asstd. sizes, Medium and Large,
\$7.00 per 100.

Also
Bird
Remedies
and
Supplies

AUBURNDAL GOLDFISH CO.

1449 Madison Street, CHICAGO

Gold Letters

1 1/4 inch.....45c per 100
1 " 40c " "
3/4 " 35c " "

American Importing Co.

219 Dearborn Street, Chicago

AUG. STORZ,

1220 STOWE STREET,
BURLINGTON, IOWA

WILLOW-ART AND FANCY BASKET-MAKER

Over 20 years practical experience.

All kinds of

Flower Baskets, Jardiniers, Hanging
Baskets, Porch Willow Boxes,
Vases, Novelties, Etc.

Any Color, With or Without Metal Lining.

Write for sample and price list.

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av .. New York
Telephone 1202 Madison Square.

Blue Ribbon Valley.

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,

713-717 Milwaukee Ave., CHICAGO

Sphagnum Moss Headquarters

FULL SIZE BALES, CLEAN STOCK,
NEW BURLAP

TRY A SAMPLE ORDER AND COMPARE WITH
WHAT YOU ARE GETTING

VAUGHAN'S SEED STORE,
CHICAGO.



Do Not Take Any Fake Green Thread. Use the
Genuine Silkline and Get More Thread
and Less Wood.

The MEYER Green

SILKALINE

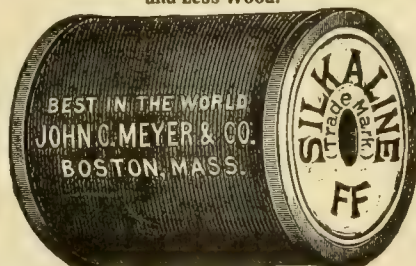
Used by Retail Florists for mossing funeral
designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it will not fade or rot in the greenhouse. The Meyer Silkline was the first green thread to be introduced among Florists and Growers. It is handled by the best houses everywhere, but it should be ordered by name—Meyer's Silkline—to be sure of getting the genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the manufacturers. Price for any size or color, \$1.25 per lb. Sizes "F" fine, "FF" medium, and "FFF" coarse

Lowell Thread Mills, 1495 Middlesex St., Lowell, Mass.



JOHN C. MEYER THREAD CO.,

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze, Basket..\$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

MOSS

We have a surplus of 12 barrel bale New Jersey Moss, clean, fresh and burlapped, and will deliver anywhere in Chicago, express prepaid, at \$5.00 per bale, 2 or more bales at \$4.75. By freight collect at 25c per bale less. Satisfaction guaranteed or money refunded.

KLEHMS' NURSERIES, Arlington Heights, Ill.

H. BAYERSDORFER & CO.



Florists'
Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

New Crop Fancy and Dagger Ferns Huckleberry Foliage now ready.

Price, Huckleberry, \$2.00 per case; Fancy Ferns,
\$1.25 per 1000; Dagger Ferns, \$1.10 per 1000.

Caldwell the Woodsman Co.

Everything in Southern Evergreens
EVERGREEN, ALABAMA.

HUCKLEBERRY FOLIAGE \$2.00 per case

FANCY FERNS, \$1.25 per 1000
DAGGER FERNS, \$1.10 per 1000

Perpetuated and Natural Sheet Moss.

E. A. BEAVEN, Evergreen, Ala.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

DULUTH, MINN.

2 STORES 2

SUPERIOR, WIS.

J. J. LEBORIUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing

M. C. Rowe

IN THE HEART OF NEW YORK CITY
Phone Murray Hill 1440 and 1441.6 East 33d Street, Opposite the Waldorf-Astoria.
Our Motto—The Golden Rule.

Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave., Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.
Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Terre Haute, Ind.

John G. Heint & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail,
Telephone, Telegraph and Cable orders with
best quality stock in season

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE FLORIST

Connecticut Avenue and L Street

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST

Chicago.

A. LANGE,

25 E. MADISON ST.

Mention the American Florist when writing

Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.Largest and most centrally located store in the
city. All orders given prompt attention.

Mention the American Florist when writing

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.
June 14.

FROM MONTREAL, Corsican, Allan.
FROM MONTREAL, Scandinavian, Allan.
Caledonia, Anchor, 3 p. m., Pier 64, North
River.
Perugia, Anchor, Pier 64, North River.
FROM PHILADELPHIA, Haverford, American,
10 a. m.
Zealand, Red Star, 10 a. m., Pier 61, North
River.
Olympic, White Star, 2 p. m.
FROM MONTREAL, Ausonia, Cunard.
Florida, French, Pier 57, North River.
FROM MONTREAL, Cassandra, Donaldson, at
daylight.
President Lincoln, Ham.-Amer., 3 p. m.
George Washington, North Ger.-Lloyd, 10 a. m.
Martha Washington, Austro-American, 1 p. m.
Kursk, Russian-American, 2 p. m.
San Juan, Porto Rico.
Vestrio, Lamport & Holt.

June 22.

FROM MONTREAL, Scotian, Allan.

June 24.

FROM MONTREAL, Megantic, White Star,
Dom.
FROM BOSTON, Laconia, Cunard.
Pannonia, Cunard.
FROM BOSTON, Bluecher, Ham.-Amer.
Ryndam, Holland-America, 10 a. m.
Kaiser Wilhelm II, North Ger.-Lloyd, 10 a. m.
Venezia, Fabre, 3 p. m.
Grenada, Trinidad, Pier 24.

June 25.

Imperator, Ham.-Amer., 1 p. m.
FROM PHILADELPHIA, Prince Adalbert,
Ham.-Amer.
FROM BALTIMORE, Neekor, North Ger.-Lloyd,
2 p. m.
Eastern Prince, Prince.
River Orantes, Norton.
Shimosa, Barber.

June 26.

FROM QUEBEC, Empress of Ireland, Can. Pa-
cif., 3:30 p. m.
Celtic, White Star, 12 noon.
France, French, Pier 57, North River.
C. F. Tietgen, Scand.-Amer., 2 p. m.
Strath, Lloyd Brasileiro.

June 27.

FROM MONTREAL, Tunisian, Allan.
St. Paul, American, 10 a. m., Pier 62, North
River.

June 28.

FROM MONTREAL, Pretorian, Allan.
Cameronia, Anchor, 2 p. m., Pier 64, North
River.
Lapland, Red Star, 10 a. m., Pier 61, North
River.
Oceanic, White Star, 12 noon.
FROM BOSTON, Celtic, White Star, 12 noon.
Carnania, Cunard.
FROM MONTREAL, Ascania, Cunard.
Chicago, French, Pier 57, North River.
FROM MONTREAL, Athenia, Donaldson, at day-
light.
Patricia, Ham.-Amer., 12 noon.
Russia, Russian-American, 2 p. m.
Byron, Lamport & Holt.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

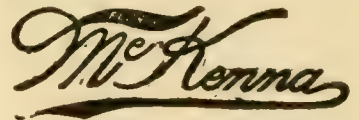
TELEGRAPH Orders forwarded to
any part of the United States, Canada
and all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Reference or Cash must accompany all orders
from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

Montreal



Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater
orders. Prompt delivery and best
stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for
delivery in any part of Texas.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.

For Wisconsin Delivery

—OF—

"HOME GROWN FLOWERS"

Get in touch with

J. E. Matthewson

SHEBOYGAN, WISCONSIN

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40
LONG DISTANCE No. 40

Careful Attention To All Orders.

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

Boston, Mass.



"Penn, The Telegraph Florist"

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
California Florists, Tacoma, Wash.
Clark's Sons, New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Heim & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthewson, J. E., Sheboygan, Wis.
May & Co., L. L., St. Paul, Minn.
McClunie, Geo. G., Hartford, Conn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Nicholas, John S., New York.
Ostertag Bros., St. Louis.
Palez, Paul M., Little Rock, Ark.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pellicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Phillips Bros., Newark, N. J.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Portland Flower Store, Portland, Me.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller, The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Weber, Fred C., St. Louis.
Weber, F. H., St. Louis, Mo.
Wills & Segar, London, England.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Witthold, Geo., Co., 737 Buckingham Pl., Chicago.
Witthold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON

D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Indianapolis, Ind.

Bertermann Bros. Co.
FLORISTS

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

The Park
Floral Co.

J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

PELICANO, ROSSI & CO.,
123 KEARNY ST.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

FRED C. WEBER

SELLING FLOWERS
40 YEARS

4326-28 Olive Street
Notice initials—we have one store only.

Member Florists' Telegraph Delivery Association

ST. LOUIS, MO.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Mention the American Florist when writing

Portland, Maine.

**Floral Designs and
Choice Cut Flowers**

Portland Flower Store

631 Congress St.

Mention the American Florist when writing

Hartford, Conn.

GEORGE G. MCCLUNIE

187 Main Street

'FLOWERS' Your Orders Solicited

My Only Store. Phone Charter 6535-2

Pittsburg, Pa.

A.W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE

Washington, D. C.

Blackstone

14th and H. Street.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To THOS. F. GALVIN, Inc.,

124 TREMONT ST.

Mention the American Florist when writing

**City Index to Retail Florists'
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Mangel, 17 E. Monroe St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Hartford, Conn.—Geo. G. McClunie.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Paul M. Paley.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio—Chas. A. Duerr.
Newark, N. J.—Phillips Bros.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—John S. Nicholas.
New York—Young & Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Portland, Me.—Portland Flower Store.
Poughkeepsie, N. Y.—The Salford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Sheboygan, Wis.—J. E. Matthewson.
St. Louis, Mo.—Ostertag Bros.
St. Louis, Mo.—Fred C. Weber.
St. Louis, Mo.—F. H. Weber.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalla, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Heintz & Sons.
Tacoma, Wash.—California Florists.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Blackstone.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

San Francisco

Podesta & Baldocchi

224 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

**O. C. SAAKES
FLORIST,**

Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in

NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.

Jefferson and Washington Ave.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on telegraphic order.

11 NORTH PEARL STREET

Toronto, Can.

Canada's best known and most reliable Florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in Wisconsin

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

ST. LOUIS, MO.

ORDERS TAKEN FOR

FLOWERS

DELIVERED TO ALL PARTS OF THE COUNTRY.
SPECIAL CARE, SELECT AND ARTISTIC WORK.

F. H. Weber

Member of Florists' Telegraph Delivery

Boyle and Maryland Ave.

Both Long Distance
Phones.

Send your orders for Chicago and Suburbs to



Schiller
The Florist
2223 W. Madison St.
CHICAGO
All orders carefully filled under the supervision of
GEORGE ASMUS, Mgr
Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 3189
Members Florists' Telegraph Delivery.

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Little Rock, Ark.

PAUL M. PALEZ,
FLORIST,
409 MAIN STREET.

All orders carefully filled and delivered to all parts
of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heint)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Omaha, Neb.

Hess & Swoboda
FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

Newark, Ohio.

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

Mention the American Florist when writing

Louisville, Ky.

F. Walker & Co.,
FLORISTS

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

New York.

MYER, FLORIST, 609-611 Madison Ave
Phone 5297 Plaza.

Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

Chicago News Notes.

Peter Reinberg, the well known local wholesale florist and president of the board of education, was indignant over a published report in one of the daily papers on June 16 that he had resigned from the board of education. Mr. Reinberg has not resigned, but says he has asked the mayor not to reappoint him when his term expires on July 1. Mr. Reinberg is in perfect harmony with every member of the board, but desires to devote more of his time to his rapidly extending business.

B. E. Gage and E. G. Chapman, with the Peterson Nursery, attended the Lake Geneva Peony Show on June 14 and were surprised at the splendid exhibit which the gardeners in that vicinity made. They returned the following Monday and are now busy booking orders for peony roots for September delivery.

Zech & Mann are doing a good business in their new store and are well pleased with their present quarters. The new ice-box will soon be installed and when it is in they will be in splendid shape to handle next season's trade.

R. J. Tussing and wife of Canal Winchester, Ohio, have been visiting here for several days and during their stay placed an order for a No. 6 Kroeschell greenhouse boiler.

J. Aldous, of J. Aldous & Sons, Iowa City, Ia., was in the city on business on June 16.

Visitors: R. J. Tussing and wife, Canal Winchester, O.; A. Aldous, Iowa City, Ia.; A. E. Kunderd, Goshen, Ind.; Martin Reukauf, representing H. Bayersdorfer & Co., Philadelphia, Pa.

In the Heart of New York
NEW FLOWER AND FRUIT STORE
JOHN S. NICHOLAS

42nd St. and Park Avenue
Grand Central Terminal

New York City

The Old Established High Class Florist

Has opened a magnificent flower and fruit establishment on the Forty-second street side of the New Grand Central Terminal Station, New York City. The facilities of this store for the satisfactory execution of mail, telephone and telegraphic trade orders at steamers, and elsewhere in New York City and its suburbs are unsurpassed.

PHILIPS BROS, 938 Broad St.
NEWARK N. J.

Artistic Floral Work and Long Stem
Beauties Our Specialty.

Los Angeles, Calif.

Wolfskill Bros. and
Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

New Orleans—

CUT FLOWERS

Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
CANAL ST.

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone
orders.

Tacoma, Wash.

California Florists

will take care of all telegraphic orders.

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Nashville, Tenn.

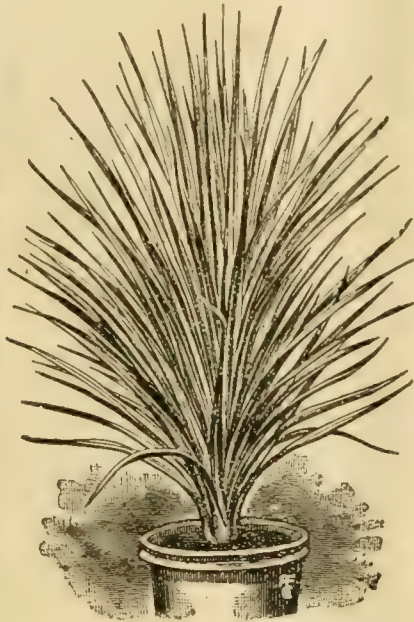
**Geny Bros. LEADING
FLORISTS**

212 Fifth Ave. No.

NASHVILLE, TENN

Wittbold's Bargain List.

Select What You Need From This List and Let Us Have Your Order as Early as Possible. This Stock is of Fine Quality and a Big Bargain at the Prices Quoted.



DRACAENA INDIVISA

2-in.. \$3.00 per 100; 3-in., \$5.00 per 100; 4-in. \$12.00 per 100. 5-in., \$3.00 per dozen, \$20.00 per 100; 6-in., \$6.00 per doz. 8-in., \$1.00 to \$1.50 each.

Boxwoods.

Obelisk, 5-ft.....	Each, \$12.00
Globe Shaped—	
12-15-inch.....	Each, \$2.00 to 2.50
20-24-inch.....	4.50
Bushes, 12-in.....	.30

MISCELLANEOUS

Aucuba, large.....	Each, \$3.00 to \$3.50
Aucuba Japonica, 2-ft.....	1.00
Aucuba Type, 2-ft.....	1.00
Conifers, assorted, 18-24-in.....	1.00
3-3 1/4-ft.....	1.50
Araucaria Excelsa—	Each Doz. Per 100
2-3 tiers.....	\$.50
3-4 tiers.....	.75
6-in., 4-5 tiers.....	1.00 \$12.00
7-in., 4-5 tiers.....	1.50 18.00
Areca Lutescens—	
3-in., 3 plants in a pot	1.50 2.00 15.00
2-in.....	
3-in.....	3.00 6.00
Asparagus Plumosus—	
Asparagus Sprengerii—	

BEDDING STOCK. Per 100

Geraniums, any variety.....	\$ 8.00
Vinca Variegata, 4-in.....	17.00
English Ivy, 4-in.....	17.00
Nasturtiums, 3-in.....	6.00
Petunias, 3-in.....	6.00

WANTED

BOSTON FERNS, any size. Send samples or write and tell us what you have. Do it Now.

Bay Trees—Standard

Stem	Crown	Each
12-14-inch	18-in.	\$4.00
2-ft.	12-in.	\$4.00
2-ft.	18-in.	5.00
1-ft.	24-26-in.	6.00
3-ft.	20-22-in.	6.00
2 ft. 4-in.	24-28-in.	7.00
3-ft.	26-in.	7.00

PYRAMIDS

9 ft. high.....\$20.90

PHOENIX ROEBELENI

Each	Doz.	Per 100
2 1/2-inch.....	\$ 2.00	\$15.00
3-inch.....	3.00	
4-inch.....	\$0.50	6.00
6-inch.....	12.00	
6-inch, strong.....	18.00	
7-inch.....	\$2.50 and 3.00	
Specimens, 7 in. extra strong.....	4.00 each.	
8 in. extra strong.....	5.00 each.	

PHOENIX RECLINATA

7 in., 24 in. high.....Doz., \$12.00

Phoenix Canariensis

3-in., 3 ft. 6 in. high.....	Each, \$3.00
8-inch tubs, 3 ft. high.....	3.00
10-inch tubs, 4 ft. high.....	6.00
10-inch tubs, 5 ft. high.....	9.00
12-inch tubs, 6 ft. high.....	15.00

KENTIA BELMOREANA.

Size	Leaves	Ht.	Each	Doz.	100
2-in.	4	8-in.	\$1.50	\$12.00	
3-in.	4-5	8-10-in.	2.00	15.00	
4-in.	4-5	12-in.	3.60	30.00	
5-in.	5-6	15-18-in.	6.00	50.00	
6-in.	6-7	20-22-in.	\$1.00	12.00	
6-in. strong, 5-6	18-20-in.	1.50	18.00		
7-in.	6-7	26-28-in.	2.00	24.00	
7-in. strong, 6-7	22-24-in.	2.50	30.00		
8-in.	6-7	36-40-in.	5.00		

COCOS WEDDELIANA.

2-inch.....	Doz. \$1.75: 100, \$14.00
Latania Borbonica—	
6-in.....	\$9.00 Doz. 7-in.....\$12.00 Doz

The Geo. Wittbold Co. —L. D. PHONE, GRACELAND 1112— 737-39 Buckingham Pl. **Chicago**



STANDARD BAY TREE

Bay and Box Trees

BAY TREES. These trees come in tubs.

Nothing can approach these handsome trees for decorating porches, piazzas, or hall entrances and they are largely used for stately effects in formal gardens.

Standard or Tree Shaped.

Stems	Each	Pair
35-in.....Crowns 24-in.....	\$ 7 00	\$13 00
45-in....." 26-in.....	7 50	14 00
45-in....." 28-in.....	8 00	15 00
45-in....." 30-in.....	10 00	18 00
45-in....." 34-in.....	12 00	22 00
48-in....." 40-in.....	15 00	28 00

Stems	Each	Pair
30-in.....Crowns 24-in.....	\$ 7 00	\$13 00

Pyramidal Shaped.

Each	Pair
5 ft. high, 24-in. diameter at base..	\$ 8 00 \$15 00
6 ft. high, 26-in. diameter at base..	10 00 18 00

BOX TREES.

Prices on Pyramid and Globes include new green tubs. If wanted out of tubs we allow 10 per cent discount.

Pyramids.

Each	Pair	Each	Pair	Each	Pair
2 1/2 ft. high.....	\$2 00 \$3 75	3 1/2 ft. high.....	\$3 50 \$6 00	4 ft. high.....	\$4 50 \$8 00

Globe Shaped, Untrimmed.

Each	Pair
15 in. high, 15 in. dia.....	\$2 00 \$3 75
18 in. high, 18 in. dia.....	2 50 4 50

Bush Shaped. These do not come in tubs.

Each	Doz.	100
12 in.....	\$0 40	\$4 00
18 in.....	60	6 50
20 in.....	75	8 00
24 in.....	1 00	10 00

VAUGHAN'S SEED STORE

31 W. Randolph St., CHICAGO

43 Barclay St., NEW YORK

Greenhouses, Trial Grounds and Nurseries Western Springs, Ill.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, at Cleveland, O.,
June 24-26, 1913.

ANNUAL convention of the American
Seed Trade Association, Cleveland, O.,
next week, June 24-26, headquarters at
new Hotel Statler.

THE yearbook of agriculture for
1912 contains an excellent paper on
"Insects Injurious to the Onion Crop,"
by F. H. Chittenden.

CHICAGO.—Prices on the Board of
Trade June 18 for grass seed was
noted as follows: Timothy, \$3.75 to
\$4.75 per 100 pounds.

SEATTLE, WASH., June 3.—The Chas.
H. Lilly Co. reports cabbage seed
crop conditions as favorable thus far
with a normal crop in anticipation.

KEIZERSKROON and Chrysolora tulips
and Von Sion narcissus will be higher.
Darwin tulips are in good demand at
about last year's prices.

VISITED CHICAGO: H. A. Johns of the
Sioux City Seed and Nursery Co.,
Sioux City, Ia.; B. E. Brotherton of
the Peninsula Seed Co., Port Huron,
Mich.

TORONTO, ONT., June 4.—Hogg &
Lytle report their pea crop at least
two weeks late and say it is hard to
make predictions as to crop at this
time. Most of the crops are just
through the ground but look healthy
and with good growing weather from
now on should improve rapidly.

ALPENA, MICH., June 6.—The weath-
er has been favorable for bean plant-
ing, according to Rogers Bros. It is too
early to make any prediction as to
the crop as the planting time is hard-
ly past. Prospects for peas are fair as
the spring has been favorable. Condi-
tions in Idaho, where the most of this
firm's pea stocks are planted, have
been all that could be expected. There
have been several good showers re-
cently and most of the peas are look-
ing good at this time.

NEW YORK.—In common with other
lines of business the seed trade dis-
trict has been very quiet during the
past week. At some of the stores
peony roots and various tubers and
bulbs are being pushed. Peter Hen-
derson & Co. have had a fine window
display of peony flowers, all named,
with an invitation to order roots,
"now."—J. M. Thorburn & Co., among
other novelties, are offering bulbs of
Lilium davuricum, the flowers of which
somewhat resemble the old tiger lily,
also L. tenaefolium or Siberian coal
lily.—Walter J. Barnwell, for many
years with Peter Henderson & Co., is
now with Burnett Bros.—The plant
auction houses are doing considerable
business in bedding plants.—It has
been stated that about September 1,
the Stumpp & Walter Co. will remove
to 30-32 Barclay street, directly oppo-
site J. M. Thorburn & Co.

California Seed Crops.

Palo Alto, June 4.—There has
been some recent slight improvement
in the crop outlook owing to late show-
ers. However, the amount of mois-
ture was not sufficient to do any very
perceptible amount of good, and out-
side of irrigated crops all are very



Chas. N. Page.
President American Seed Trade Association.

poor. Some sweet peas will be ready
to cut inside of two weeks when in a
normal season the plants are usually
in full bloom. The crop in the cen-
tral part of the state will average un-
der 25 per cent.

Lettuce has also been slightly im-
proved by the shower of May 27. Un-
der the most favorable conditions we
may get 40 per cent of a crop. Salsify
promises not over 25 per cent. Radish
is especially poor with nearly all
the growers and we cannot figure on
more than about 25 per cent of a crop
for this. Carrot has improved some-
what also and if favorable conditions

prevail from now on we may get 50
per cent or possibly a little more.
Parsley and parsnip are both very
light crops, not above 20 per cent.

Onion seed, the most important crop,
is, owing to persistent irrigation, on
the average the best California seed
crop of this very poor year. Taking
an average of all sections, we think
there will be slightly over 50 per cent
of a crop, a great deal depending on
the weather from now, which is the
critical time for onion. There was
quite a quantity of this item carried
over from the excellent crop of 1912
and this seed, being of first class
quality, will help out this year. We
think most of the growers will be able
to deliver onion nearly in full. Of
course all will be short on some kinds
but there will be enough, we think, to
supply the trade with their wants.
Those who have not contracted will
have to pay an advance in price of
probably 25 per cent.

L. W. WHEELER.
Manager Pieters-Wheeler Seed Co.

Seed Used Per Acre.

FROM UNITED STATES CROP REPORTER, JUNE, 1913.

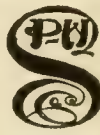
In consideration of supplies and distributions of crops, as well as for other
purposes, the average quantity per acre, used for seed is frequently a question of
interest. A year ago county crop correspondents of the Bureau of Statistics
were requested to report the quantity of various seeds usually sown or planted
per acre; the returns were tabulated and show the following averages for the
United States, more or less variation from the average prevails in different
States, and, therefore, in addition to the average of returns, an estimate of the
range of the bulk of the seedlings (not the extreme range) is also given.

Seed used per acre, approximate average for the United States.

Crop.	Average of reports	Estimated range of bulk of plantings.
Alfalfa, broadcast	18.3	15 to 20
Alfalfa, drilled	14.8	12 to 18
Barley	1.84	1.5 to 2.0
Beans, field, small	.70	.5 to 1.0
Beans, field, large	1.20	1.0 to 1.5
Beta, common (not sugar)	.63	.5 to .75
Blue grass	1.07	.75 to 1.25
Broom corn	.61	.5 to .75
Buckwheat	.98	.75 to 1.25
Cabbage, plants	5,658	5,000 to 7,000
Clover, alsike	8.7	8 to 12
Clover, Japan	10.4	9 to 15
Clover, muminth	10.4	8 to 12
Clover, red, alone	10.7	8 to 12
Clover, red, on grain	9.8	8 to 12
Clover, crimson	12.1	10 to 15
Corn, for grain	9.5	8 to 12
Corn, fodder, for silage	26.0	15 to 35
Cotton	.90	5 to 11
Cowpeas, for forage	1.31	1.0 to 1.5
Cowpeas, in drill with corn	.53	.40 to .65
Cowpeas, for seed	.70	.50 to .90
Field peas, small	.53	.75 to 1.25
Field peas, large	1.17	1.0 to 1.5
Flaxseed	29.2	25 to 30
Guts	2.37	2.0 to 2.5
Orchard grass	12.6	10 to 15
Peanuts	1.02	1.0 to 1.1
Potatoes	.83	.7 to 1.2
Rice	1.98	1.5 to 2.5
Rye, for grain	1.44	1.20 to 1.70
Rye, for forage	1.82	1.5 to 2.0
Soy beans, drilled	.70	.50 to 1.00
Soy beans, broadcast	1.37	1.00 to 1.50
Sugar beets	13.1	12 to 18
Sweet potatoes, plants	6,065.9	8 to 12
Timothy	9.4	6.000 to 7,000
Tobacco plants	4,702	number
Wheat	1.38	1.25 to 1.75

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Pansy Vaughan's Cut Flower Mixture.

Pansies.

Vaughan's Cut Flower Mixture. This mixture is put up by ourselves and contains mostly light colored sorts. We have sold this mixture for several seasons to some of our Chicago cut-flower growers, who have realized big returns from the sale of the flowers. Pansies are as easily grown as violets, require less care and bring better returns. Sow now for winter blooming. Trade pkt., 50c; $\frac{1}{8}$ oz., 85c; $\frac{1}{4}$ oz. \$1.40; oz. \$5.00.

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TRUE MACHET. Vaughan's Selected Stock. The seed we offer produces dwarf, vigorous plants of pyramidal growth, with very thick, stout flower stalks. Finest in every way for florists' use and for pots. Trade pkt., 10c; $\frac{1}{4}$ oz., 20c; oz., 60c.

New York Market. The plants grow from 2 to 3 feet high and produce flower spikes up to 20 inches long, according to the quality of the soil, weather and treatment. Packet (about 1000 seeds), 50c; $\frac{1}{8}$ oz., \$1.00; oz., \$7.00.

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Vaughan's Columbian Mixture. It consists of a mixture made up by ourselves of the choicest English, French and German strains and cannot be excelled in variety of colors, size, shape and substance of flowers and perfect habit of plant. Trade pkt., (500 seeds), 50c; 3 pkts., \$1.40.

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	Doz.	100
Dracaena Indivisa, 6-in.....	\$4.00	\$30.00
Rex Begonias, 2 $\frac{1}{2}$ -in.....	.50	3.00
Fuchsias, 2 $\frac{1}{2}$ -in.....	.35	2.50
English Ivy, 2 $\frac{1}{2}$ -in.....	.40	3.00
English Ivy, 3-in.....	.75	5.00
Salvia Splendens, 2 $\frac{1}{2}$ -in.....	.40	3.00
Salvia Clara Bedman, 2 $\frac{1}{2}$ -in...	.40	3.00
Asparagus Sprengeri, 2 $\frac{1}{2}$ -in...	.40	3.00
Extra Fine Stock	Strong Healthy Plants	
Perennial Flower Seeds	Field Seeds	

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Seed Merchants to His Majesty the King of Italy
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Headquarters for CAULIFLOWER and WHITE
TRIPOLI ONION SEED, (Crystal Wax), and
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THE LARGEST GROWERS IN ITALY.

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No. 1, $\frac{1}{4}$ inch and up\$5.50 per 1000
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June delivery—Orders filled in rotation.
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Purveyor to the Royal family of Italy.
SCAFATI (near Pompei) ITALY.
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PRODUCTIONS.

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variety of other seeds. Write for price list and
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Best Stocks. All Varieties.

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Contract Growers of
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Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

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SPECIALTIES:

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ROEMER'S Superb Prize PANSIES

The finest strain of Pansies in the
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Market Gardeners

Vegetable Growers' Association
of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

HOOD RIVER, ORE.—J. H. Koberg, a local vegetable and flower grower, suffered the loss of several thousand plants recently when the Columbia river overflowed, flooding his gardens and greenhouses.

Prices of Indoor Fruits and Vegetables.

Chicago, June 16.—Mushrooms, 40 cents to 85 cents per pound; lettuce, 18 cents to 20 cents, small cases; radishes, \$1.00 to \$1.50 per 100 bunches; cucumbers, 40 cents to 65 cents per box of two dozen; asparagus, \$1.00 to \$2.25 for 24 bunches.

New York, June 14.—Cucumbers, 30 cents to 75 cents per dozen; mushrooms, \$2.00 to \$4.00 per 4-pound basket; tomatoes, 5 cents to 10 cents per pound; radishes, \$1.50 to \$2 per barrel; rhubarb, 50 cents to \$1.00 per 100 bunches; lettuce, 50 cents to \$2.00 per basket, crate or barrel.

Indoor Cucumbers and Tomatoes.

Mulching of cucumbers and tomatoes is almost a universal practice with greenhouse men, as it improves the moisture conditions besides feeding the crop. It also requires enormous amounts of water to carry a heavy growth of cucumbers and a good mulch not only reduces evaporation but prevents wasting and puddling if watered with a hose. Often the mulch applied proves too thin after several waterings, in which case more should be applied without delay. Perfectly fresh horse manure having a fair proportion of bedding is excellent material.

There can be no question about a light shading being a favorable practice after steady hot weather sets in, say from June 20 on. This can be sprayed on with a pump and should not be a continuous coat but just enough to provide some relief. We have often referred to the necessity of examining the beds instead of depending upon guesswork. Take a spade or trowel and dig down a foot into a cucumber bed and see how much water you have applied. A dressing of fertilizer can be used as late as this; it should have nitrate of soda, sulphate of potash and bone meal in about such proportions as to insure 4 per cent nitrogen, 8 per cent potash and 10 per cent phosphate.

MARKETMAN.

REDWOOD CITY, CALIF.—The annual floral parade of the Woman's Club was held here May 10.

Fine Strong Tomato Plants

IN BLOOM, \$1.50 per 1000 to close out. Sweet Potato, \$1.50; Celery, \$2.00; Cabbage, \$1.00. Packed in live moss. "Quality Plants." Prompt Shipments. Cash Please.

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Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, vergreens, Roses, Rhododendrons, Vines and Climbers, Spring Bulbs and Roots, Conifers, Pines.

English Ivy

4 ft. bushy, 4 inch pots.....\$15.00 per 100
4 and 5 ft. bushy, 4½ inch pots..... 20.00 per 100

Good value for window effect.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad. :: ::

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SPECIAL PLANT OFFERS

Being in need of bench space occupied by these plants we offer them at reduced prices.

Roses

2½-inch pots. Per 100

American Beauty.....\$3.50
Richmond..... 3.00
Prince de Bulgarie (Mrs. Taft) 4.00

BENCH PLANTS. Per 100 Per 1000

Kaiserin.....\$3.00 \$25.00
Pink Killarney..... 3.00 25.00
White Killarney..... 3.00 25.00

Chrysanthemums

From 2½-in. pots. Strong healthy plants.

Per 100.
White Touse.....\$2.00
Early Snow..... 2.00
Timothy Eaton..... 2.50
Robert Halliday..... 2.00
Golden Glow..... 2.00
Amorita..... 2.50

The above stock will be sold at \$1.50 per 100 when orders call for 500 or more.

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GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$8.00 per ea., or \$1.75 per ¼ ea., \$1 per ¼ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

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Vegetable Plants.

CELERY—Golden Self Blanching, 40c per 100; \$2.50 per 1000.
White Plume, Golden Heart, Giant Pascal, 20 cents per 100; \$1.00 per 1000.

PARSLEY—25 cents per 100; \$12.50 per 1000.

CABBAGE—Allhead, Ballhead, Flat Dutch, Savoy, 20 cents per 100; \$1.00 per 1000.

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Watch for our Trade Mark stamped on every brick of

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Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

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IS THE WAY A CERTAIN ARTICLE IS WIDELY ADVERTISED.
 "Eventually" You will have to Grow "MRS. GEO. SHAWYER ROSE."

Why not buy a few plants "Now," when we can deliver the same in first class condition for immediate planting, 4-in. stock at \$30.00 per 100; \$250.00 per 1000.

Milady, the new red. Own root stock. \$30.00 per 100; \$250.00 per 1000. **Pink** and **White Killarney**, **Richmond**, **Taft**, **My Maryland**, **American Beauty**, 4-in. stock, \$12.00 per 100; 3-in. stock, \$10.00 per 100. **Bon Silene**, 3-in. stock, \$10.00 per 100.

Chrysanthemums

The "Cap Family," and other varieties equally adapted for pot plants at \$10.00 per 100. **POMPOMS**. Our selection, \$3.00 per 100; \$25.00 per 1000.

STANDARD VARIETIES. **Unaka**, **Gloria**, **Col. Appleton**, **Wells' Late Pink**, etc., etc., \$25.00 per 1000 for 2½-in. pot plants.

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Imported by us
direct from

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We offer two grades
both good value, viz.:
FLORISTS', Special
REGULAR

Write today for Prices.

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High
Class **PALMS**

and Novelties in Decorative Plants.
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Geraniums and Asters

Summer prices for good strong-rooted cuttings of Geraniums, **Ricard**, \$12.50; **Nutt and Poitevine**, \$10.00 per 1000.

Asters, shell pink, white and rose at \$3.00 per 1000, mixed at \$2.50 per 1000.

Smilax, Extra fine this season—\$1.50 per 100; 250 or over at \$1.25 per 100.

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Wholesale Grower of Cut Flowers, Pot
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Elmer D. Smith & Co.,

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ADRIAN, - - MICH.

See our Advertisement on page 1242.

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Write for Sizes and Prices

F. O. FRANZEN,

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CARNATIONS

F. DORNER & SONS CO.,

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THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, \$1.25

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440 So. Dearborn St.

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Move your Surplus Stock Now by
Advertising in The American Florist

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

INDIANAPOLIS, IND.—The Capital City Nursery & Orchard Co. has dissolved.

WESTPORT, PA.—State Forester Dutlinger has superintended the planting of 90,000 pine trees this year on the Hopkins reservation.

LOUISIANA, MO.—The nursery firm of Arthur Norton will hereafter be known as Norton & Thurmond. Mr. Norton having sold a half interest to N. E. Thurmond.

SALAMANCA, N. Y.—A million and a half young forest trees have been shipped this season from the state nursery here for transplanting in various parts of the state.

CHANDLER, ARIZ.—Fred Arnold, a local landscape gardener, and Mrs. M. Roedder, a nursery owner, of Shorb, Calif., were married recently after a three weeks' courtship by mail.

PEORIA, ILL.—Chas. Speck was successful in defending a suit brought against him by a purchaser of nursery stock who claimed some of the young trees died. Evidence showed that the trees had been delivered in good condition and that the nurseryman was therefore not responsible for their loss.

BERLIN, MD.—J. G. Harrison & Sons, nurserymen, will entertain the Maryland State Horticultural Society and the Peninsula Horticultural Society on the lawn of Mayor Orlando Harrison July 31. Invitations are also extended to the Pennsylvania, New Jersey, Virginia and West Virginia Horticultural societies.

THE reappraisalment of merchandise by the United States general appraisers shows the following: Nursery stock from L. Gaarkenken & Co., Hazerswonde, exported March 15, entered at Chicago, pyramid box trees, entered at 27 cents, advanced to 40 cents each; pyramid box trees, entered at 39.6 cents, advanced to 59.6 cents each; boxwood, entered at 17.1 cents, advanced to 25.1 cents each; boxwood, entered at 64.8 cents, advanced to 89.8 cents each.

Ohio Gladiolus Society.

The Ohio Gladiolus Society held a special meeting at Grays Armory in Cleveland, on June 13, President C. Betscher, presiding. The society made special arrangements to hold a big show on or about August 15 in connection with the Ohio Horticultural Society's next exhibition. The meeting was largely attended, nearly all the members being present, and a very good show is expected to take place. Those present were W. A. Christy, Warren; Joe Coleman, Lexington; A. H. Austin and wife, Wayland; H. J. Alyors and wife, Garrettsville; P. H. Huntington and wife, Painesville; S. Huth, Cuyahoga Falls; G. L. Richardson, Lordstown, and C. Betscher, Canal Dover.

Plant Quarantine Act.

FOREIGN INSPECTION REQUIREMENTS.

The Federal Horticultural Board has issued a circular of information in relation to foreign inspection requirements to be in force July 1, 1913. It calls attention to the exact requirements as to foreign inspection and certification and gives the proper forms of certificates to accompany nursery stock imported, as well as indicating the proper marking or labeling of each package or container. Importers of nursery stock and others interested should have a copy of the circular on file, and thus provide against any misunderstanding of the regulations. Those interested should write to the Federal Horticultural Board, Department of Agriculture, Washington, D. C., for circular of information No. 3.

The regulations provide that the certificate of inspection showing the stock to be free from disease and pests must be signed by the proper official of the country from which the importation is made. From countries where no official nursery stock inspection is maintained importation will be permitted only for experimental purposes and in limited quantities, and only through such ports as the Secretary of Agriculture shall designate in the special permit issued for such importations. Thus it will be seen that importation on a commercial scale will be practically prohibited from countries which provide for no official inspection. Two forms of certificate are required. One is an "original certificate," to accompany the invoice of such shipment, and the other is a "copy certificate," which must be attached to each package or container.

IRON MOUNTAIN, MICH.—A new flower store has been opened at 215 East Hughitt street by Burbank Bros.

QUINCY, ILL.—Miss Alta Barnett, of Rock Island, who conducted a flower store in the Knights of Columbus building in this city, was married May 7 to Leo Soebbing.

NEENAH, WIS.—Louis Otto, a local florist, has been arrested, charged with stabbing George Kemp with a knife. The injured man was taken to the hospital in a serious condition.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin N. J. Williamstown Junc., N. J.

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PEONIES, IRIS

AND PERENNIALS

Get Our "PRICE LIST."

E. A. Reeves

South Euclid, O.

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NORTH CAROLINA NATURAL PEACH PITS

We have a limited stock of 1912 crop. The seed have been kept in good storage and are in first-class condition, and are all genuine North Carolina natural pits.

Write Us for Prices.

J. K. MORRISON GRO. & PRO. CO., Statesville, N. C.
Successors to Morrison Prod. & Prov. Co.

PEONY ROOTS

ORDER NOW FOR

September Delivery.

Let Us Send You Our Price List.

PETERSON NURSERY

30 N. LaSalle St.,

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FELIX & DYKHUIS.
HIGH GRADE BOSKOOP NURSERY STOCK
BOSKOOP - HOLLAND.



*Beautifully
Illustrated
Free!*

FROM HOLLAND FAR, DUTCH LADY HANDS.
TO UNCLE SAM HER FINEST BRANDS.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

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This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

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State kind, quantity and price.

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129 S. Seventh St., TERRE HAUTE, IND.

LARGE TREES
OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

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EVERGREENS, HEDGES AND HARDY PHLOX

Are my specialties.

I grow these by the acre. Please get my prices and try some of my stock.

ADOLF MULLER
DeKalb Nurseries NORRISTOWN, PA.

MANN'S Lily of the Valley

are the finest in existence and their flowers bring the best prices on the London market. For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany

LILIES

For Summer Bloom.



Make the Empty Benches Pay By Growing
a Case of Each.

Lilium Rubrum.

8-9-in. (170 to case) per case, **\$8.50**
9-11-in. (100 to case) per case, **8.00**

Lilium Album.

9-11-in. (100 to case) per case **\$11.00**

Lilium Giganteum.

9-10-in. (200 to case) per case.....**\$17.00**

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CHICAGO NEW YORK

Jackson & Perkins Company
NEWARK, NEW YORK

Wholesale growers for the trade—
trees and plants of all kinds.

SEND FOR LIST.

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ROSE BUYERS

Please note that we will mail you a free copy of our Wholesale Trade Catalogue containing descriptions and prices of hundreds of rose trees including very newest varieties. Kindly send for same from

THE EAST END NURSERIES CO.,
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J. L. DILLON,
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Wholesale Grower of

**ROSES, CARNATIONS and
VERBENAS.**

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Christmas Peppers

New Cluster Pepper, Branching New Cluster Pepper, Celestial Pepper & Solanum Melvini.
Strong plants, 2 1/4-in. pots. \$3.00 per 100; \$25.00 per 1000. 500 or more at 1000 rates.

CHRYSANTHEMUMS—All the best varieties for bush form pot plants. Strong plants from 2 1/2 inch pots. \$3.00 per 100. Cash with order.

Frank Oechslein, 4911 Quincy St.
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Florists' Fertilizers

Conducted by F. W. Muncie,
Dept. of Floriculture, University of Illinois.
Inquiries regarding fertilizers and manures
are solicited for this department. Address
all inquiries to THE AMERICAN FLORIST,
440 South Dearborn street, Chicago.

Asparagus Plumosus and Smilax.

Kindly let us know the best fertilizer for *Asparagus plumosus* and *smilax*.
R. A. C.

Asparagus plumosus and *smilax* are heavy feeders and will do well on a compost made of heavy loam with one-third partly rotted cow manure. After the roots have filled the bench, a heavy mulch of cow manure (partly rotted) will be found beneficial. An application of sulphate of ammonia or nitrate of soda in solution at the rate of 1 pound of chemical to 50 gallons of water even daily will not harm plants six inches high, and the effect is noticeable in the darker color of the foliage. These should not be applied, however, within a couple of weeks after mulching, for fear of overfeeding.

Acid Soils.

Organic matter in the soil breaks down into ammonia, nitrates and other compounds containing nitrogen and into a number of acids. The presence of these acids is the cause of the "sour" condition of soil. Hence the soils which have least organic matter present (that is, are lighter in color) are most apt to be "sour." The flat lands of prairie origin are also usually more "sour" than the undulating or hilly lands, particularly those which were once covered with timber. In Illinois the gray and drab silt soils of the southern part (especially those of prairie origin) are quite acid, the brown silt loam soils of central Illinois slightly acid, while the average black clay loam of northern Illinois is somewhat the reverse, that is, alkaline. However, the "sourness" of any individual patch of soil may vary regardless of the average condition of the type of soil to which it belongs. Poor drainage usually will cause this condition. On account of this, peaty soils and swampy spots in any field are usually acid.

A soil may easily be tested in order to determine whether or not it is "sour." For this purpose get a sheet of blue litmus paper and one of red (costing about 10 cents in all) from a drug store. Be sure to purchase the best quality. Make two balls of moist soil, each as large as a baseball, and into one of them press a strip of blue litmus paper (2 inches long by 1/2 inch wide) and into the other press the red litmus. Allow them to stand for two hours and then examine that portion of the strip previously covered by the soil. In case the red strip has remained red and the blue has changed to red, the soil is acid; if the blue strip has remained unchanged, while the red one has turned blue, the soil is alkaline and needs no treatment for "sourness." In case each strip retains its original color, the soil is neutral and needs no treatment. This simple test will furnish information of great value to the grower.

Some fertilizers are slightly acid or alkaline themselves, and when applied cause the soil to become so; others are not acid nor alkaline when applied but after standing in the soil, and being subject to the action of bacteria and plant roots, become slightly acid or alkaline. A careful record has been kept at the floricultural greenhouses of the University of Illinois of the reaction of soils when treated with dried blood. For about a week the soil was alkaline. At the end of that time it became acid, the degree of acidity depending upon the amount of dried blood originally applied. Where acid phosphate was applied the reaction was acid while in those sections where manure alone had been used or where potassium sulphate had been added, the soil remained neutral.

While, as a rule, greenhouse soils are better if not "sour," it should be pointed out that not every plant grows better upon a soil plentifully supplied with lime than upon a "sour" soil. Indeed, some plants will not grow upon any soil except a "sour" one. Very little experimenting has been done to determine the "likes" or "dislikes" of floricultural plants for "sour" soils. Among those which are known to grow better upon these soils, however, are the azaleas, rhododendron, begonia, common heather, broom (*Cytisus scoparius*), *Genista anglica*, several vetches, the foxglove (*Digitalis purpurea*), the sundew (*Drosera* sp.), among floricultural plants; blackberries and dewberries; red top, bent, millet, soft grass, sweet vernal and other grasses; the chestnut (Spanish), the birch, the holly and many conifers. Sweet peas, poppies and the comet aster are known to be benefited by lime, as well as lettuce, asparagus, beets, spinach, cucumbers, watermelons, leeks, onions, celery, carrots and muskmelons; also grapes and the elm, peach and quince trees.

The "sourness" of soils is often shown by the vegetation that grows upon it; on swampy spots rushes and sedges, and (on better drained lands) the sorrel (*Rumex acetosella*) and the foxglove are characteristic. When the soil in the greenhouse is found covered with a green coating of algae, it is a positive indication of acidity of the soil. Methods for correcting sourness in soils will be taken up in a later paper.

F. W. MUNCIE.

BELVIDERE, ILL.—John V. Lyons will build a new greenhouse.

SAGINAW, MICH.—Grohmann, the Florist, has purchased a handsome delivery auto to take care of his rapidly increasing business.

IOWA CITY, IA.—A. G. Prince has found it necessary to add a motor delivery car to his equipment as a result of his growing trade.

BUFFALO, N. Y.—The Buffalo Corn Exchange gave a free lecture and demonstration on the testing of seed corn and other seeds May 19.

BUFFALO, N. Y.—Frank Witkowski, a florist at 1329 Broadway, reports that his store was entered in the night recently and 250 packages of vegetable seeds stolen.

PORTLAND, ORE.—Among the other prizes at the show of the Rose Society there will be a handsome silver cup offered by Mayor Rushlight for a dozen of the best Caroline Testout roses.

ROSES

Best new and Standard sorts, prime stock, including—

	2 1/2 inch.	4 inch
American Beauty.....	Doz. \$0.85	100 \$5.00
Blumenschmidt.....	100 \$5.00	100 \$15.00
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Queen's Scarlet.....	50 3.00	25.00
Burbank, Bourbon.....	50 3.00	25.00
Gruss an Teplitz, Hy. Ben.....	50 3.00	30.00
Mosella (Yellow Souper).....	50 3.00	25.00
Mignonette.....	50 3.00	25.00
Anny Muller.....	50 3.00	27.50
Jeanne d'Arc.....	50 3.50	30.00
Mrs. Taft.....	50 3.50	30.00
Orleans.....	60 3.50	30.00
Phyllis.....	60 3.50	30.00
Zelia Bourgeois.....	75 5.00	40.00
Bessie Brown.....	H. T. 10.00	
Eugene Boulet.....	75 5.00	40.00
Helen Gould (Balduin).....	50 3.00	27.50
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THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. \$2.00.

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Don't Miss This Chance.

A Big Slaughter in our Moonvine, the *Ipomea Noctiflora*. To clean out we decided to sell our large 4-inch, (usual price 15c) at only 10c each or \$10.00 per 100, 2½ inch, look! only \$3.00 per 100, usual price \$5.00 per 100. We must have the room for our specialty the *Araucaria Excelsa*.

Ampelopsis Vetchii, our large pot grown, best that can be had, 15c, 20c, 25c each.

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Tropaeolum or *Nasturtium*, assorted colors, 4 inch, \$6.00 per 100; *Empress of India*, dwarf, dark red, bushy, 4 inch, \$7.00 per 100.

Cannas, best assortment, named separate colors, the best sorts, 7c, 8c, 9c, 10c. *King Humbert*, 4 in. 8c to 10c.

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Phlox, *Drummondii grandiflora*, assorted colors, 2½ in. pots, \$3.00 per 100.

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PALMS, *Kentia Forsteriana*, 4 in., 25c to 35c; 5½, 5½, 6 in. pots, 25, 30, 35, 40 to 50 in. high, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50.

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Kentia Belmoreana, large, 4½ in., 25c to 35c; Made-up of 3 plants, 6 in. pots, 75c to \$1.00.

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1012 W. Ontario St.,
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Nashville, Tenn.

SUPPLY SHORTENS.

It has been very hot and dry in this locality for the past week and as a consequence the flower supply has fallen off considerably. Carnations will soon be a thing of the past, as most of the growers are throwing them out to make way for the next season's crop. Roses are doing fairly well and there are still some good American Beauty and enough of other varieties to supply the demand. There are still some good lilies and these are no little help in all kinds of funeral work. Plenty of wedding orders are received but social affairs are about done for the season. The funeral work has been very good. Two young daughters of R. M. Dudley and wife were killed by a railroad train in Iowa while touring the country in their automobile. The remains of the two young ladies were brought to this city and the largest demand for flowers ever known here was the result, taxing all the florists to the limit. M. C. D.

Nassau County Horticultural Society.

The June meeting of this society was held at Glen Cove, L. I., Wednesday, June 11. President Brown presided. Mrs. W. E. Kimball was elected an honorary member. G. Owen and W. Noonin were elected to active membership. The exhibition of cut flowers was very fine. The first prize for best vase of tea or hybrid tea roses was won by J. Adler; for best basket of fruit A. Fournier was first. H. Boettcher showed some wonderful sweet peas for this early date and received a certificate of culture. Three vases of antirrhinums shown by H. Gaut were very fine, winning a certificate of culture. A vase of Aaron Ward roses by H. Jones received honorable mention. At the next meeting, July 9, prizes will be offered for the best three vases of sweet peas, pink, white and red, 25 sprays in a vase.

J. MACDONALD, Sec'y.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100, *Boston* and *Whitmani Ferns*, 3-in., 10c; 4-in., 15c; 5-in., 25c.

Dracena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.

Vinca Var., 3-in., \$5.00 per 100.

Asparagus Plumosus, 2 in., \$3.00 per 100.

Heliotrope, *Scarlet Sage*, *Lemon Verbenas*, *Cigar Plant*, *Coleus*, *Alternanthera*, red and yellow; *Ageratum*, blue; *Verbena*, *Salvia*, *Zurich*; *Aster*, 2 in., \$2.00 per 100.

Cash with order.

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Gladiolus.

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America, pink.....	\$3 00	\$25 00
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3 foot, well shaped.....	Each, \$2.50
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Special Geraniums

3½-in. NUTT, GRANT and LAKELAND, all Reds, at \$6.50 per 100, \$60 per 1000, Cash.

Geo. A. Kuhl,
PEKIN, ILLINOIS.

PROVIDENCE, R. I.—Geo. W. Fraser is about to retire from the florist business in Jericho and devote his entire time to his store in this city.

PHILADELPHIA, PA. — The Botanical Society of Pennsylvania has appointed a committee to promote legislation to protect the wild flowers of the state.

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PLUMOSUS, 2½-in. pots, ready Per 100
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Big jobs a specialty

Prices on application

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Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market

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GALVANIZED WIRE ROSE STAKES.

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Alternantheras to close out, strong 2-in. stock at \$10 per 1,000. The Bushnell Cottage Greenhouses, Bushnell, Ill.

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Ampelopsis Veitchii, heavy, 1-year, 2 to 3 ft., strong, 50 for \$2; 100, \$3.25; Parcel Post, \$20 per 1,000; 18 to 24 inches, 50 for \$1.50; 100 for \$2; Parcel Post, \$15 per 1,000. Well rooted plants, tops cut to 6 inches for transplanting, \$12 per 1,000. Samples, 25c allowed on purchase. Chas. Black, Hightstown, N. J.

ARAUCARIAS.

Araucarias excelsa, 6-7-in. pots, 4-5 and 6-7 tiers, 25 to 40 inches high, \$1 to \$2 each; 3, 4 and 5 tiers, 5½ to 6-in., 35c to 75c each. Robusta Compacta Glauca, 6-in., \$1.25 and \$1.50 each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias, excelsa, 2-3 tiers, 50c each; 3-4 tiers, 75c each; 6-in., 4-5 tiers, \$1 each; \$12 per doz.; 7-in., 4-5 tiers, \$1.50 each; \$18 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

To make room in our houses we offer Plumosus Asparagus, extra fine, heavy plants, 3-in., \$4 per 100. Sprengerii, 3-in., \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprengerii, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprengerii, 2½-in., \$2.50 per 100; \$20 per 1,000; 3-in., 6c. Erie Floral Co., Erie, Pa.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Asparagus plumosus and Sprengerii, 2½-in., \$3 per 100; \$25 per 1,000. James Vick's Sons, Rochester, N. Y.

Asparagus plumosus and Sprengerii, 2½-in., \$2 per 100; \$15 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$2 per 100; Sprengerii, \$2. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Hatcheri, 2½-in., \$2.50 per 100. Pöhlmann Bros. Co., Morton Grove, Ill.

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THE SAWYER ASTERMUM—Eight years of strict selection places it on the mountain top of perfection in color, size and profit. Price (cash with order), plants, \$4 per 100. Colors: White, pink and lavender. Send for cuts and description. ALBERT A. SAWYER, Forest Park Ill.

Asters, shell pink, white and rose, \$3 per 1,000; mixed, \$2.50 per 1,000. A. M. Herr, Lancaster, Pa.

AUCUBAS.

Aucubas, large, \$3 to \$3.50 each; Japonica, 2-ft., \$1; Aucuba type, 2-ft., \$1. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Aucuba Japonica, bushy plants, 35c to \$2.50 each. Julius Roehrs Co., Rutherford, N. J.

BAY TREES.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Bay trees and box trees, all sizes and prices. List on application. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS.

Bedding plants: Crego asters, 2½-in., \$3 per 100; \$25 per 1,000. Begonia Vernon and Erfordii, 4-in., \$7 per 100; 3-in., \$5; 2½-in., \$3; 5½-in., 25c each. Ampelopsis Veitchii, 15c to 25c each. Heliotrope, 4-in., 7c. Ageratum, 4-in., 7c. Honeysuckle, Halleana, Chinese, 4-in., 10c. Fuchsias, assorted, 4-in., 7c. Lemon Verbenas, 4-in., 7c. Zinnia elegans, 2½-in., 3c. Snapdragons, 2½-in., \$3 per 100. Nasturtium, 4-in., \$6 per 100; Empress of India, 4-in., \$7 per 100. Cannas, named separate colors, 7c to 10c; King Humbert, 4-in., 8c to 10c. Phlox, Drummondii, 2½-in., \$3 per 100. Verbenas, asst., 2½-in., \$3 per 100. Petunias, California Giants, 3-in., \$5 per 100; dbl. assorted, 4-in., 7c; Inimitable, dwf. Compacta, \$3 per 100. Marigold, \$3 per 100. Coleus, Verschaffeltii, Golden Bedder, Victoria, 2½-in., \$3 per 100; Brilliance, 4-in., 8c. Thunbergia, 2½-in., \$3 per 100. Lobelia Crystal Palace, \$3 per 100. Geraniums, 4-in., Nutt. Buchner, E. G. Hill, Beaute Poitevine, and asst. colors; Scarlet Sage, Bonfire and Zurich, 4-in., \$7 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Bedding stock: Antirrhinum, 2-in., \$2 per 100. Ageratum, Little Blue Star, 2-in., \$2 per 100; 3-in., \$4 per 100. Begonia Luminosa, 2-in., \$2 per 100; Prince Dona, Vernon, Fairy Queen, 2-in., \$2 per 100. Coleus Verschaffeltii, Golden Bedder, Black Prince, Anna Pfister, John Pfister, 2-in., \$2 for 100. Cosmos, asst., 2-in., \$2 per 100. Abutilon Savitzii, 2-in., \$4 per 100; 3-in., \$5. Heliotrope, mam., mixed, 2-in., \$2 per 100. Marguerites, Queen Alexandra, 2½-in., \$3 per 100; Mrs. Sanders, 2½-in., \$3 per 100. Moonvine, blue and white, 2-in., \$3 per 100. Smilax, \$3 per 100; \$25 per 1,000. Thunbergia, black eyed Susan, 2-in., \$2 per 100. Weeping lantanas, 2-in., \$3 per 100. Verbenas, white, \$2 per 100. Vaughan's Seed Store, Chicago and New York.

Bedding plants, from 2½-in. pots, \$3 per 100: Asparagus Sprengerii, parlor ivy; Phlox Drummondii, dwf.; ageratum; euonymus radicans var.; euonymus golden var.; Hydrangea Otakura; bridal myrtle; Swainsona alba; artillery plant; Coleus Verschaffeltii, Golden Bedder; Moonvine, large white; lemon verberna. Plants from 3-in. pots, \$4 per 100. Ampelopsis Veitchii, ivy, hardy English; Passion vine, C. Elsie, 11th and Westmoreland sts., Philadelphia.

BEDDING PLANTS.

	Doz.	100.
Dracena indivisa, 6-in.	\$4.00	\$30.00
Rex Begonias, 2½-in.	.50	3.00
Fuchsias, 2½-in.	.35	2.50
English ivy, 2½-in.	.40	3.00
English ivy, 3-in.	.75	5.00
Salvia Splendens, 2½-in.	.40	3.00
Salvia Clara Bedman, 2½-in.	.40	3.00
Asparagus Sprengerii, 2½-in.	.40	3.00

JAS. VICK'S SONS, Rochester, N. Y.

Bedding out plants. Ricard, Hill, Nutt, Poitevine geraniums, 4-in., 5c; 6-in., 20c. Coleus, Verbenas and alyssum, 2½-in. pots, 2½c; \$20 per 1,000. Geo. E. Bigler, 710 N. 28th St., Camden, N. J.

Bedding plants: Coleus, alternantheras, red and yellow; cigar plant, Ageratum, blue; Verbena, heliotrope, Salvia Zurich, asters, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Bedding plants—Geraniums, A1 4-in., Nutt. Ricard, Poitevine, \$7.50 per 100. Strong Salvia, \$5 per 100; 3½ and 4-in. A1. H. W. ALLERSMA, GRAND RAPIDS, MICH.

Coleus, alternantheras and other bedding plants. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Bedding plants: Geraniums, any variety, \$8 per 100. Vinca var., 4-in., \$17 per 100. English ivy, 4-in., \$17 per 100. Nasturtium, 3-in., \$6 per 100. Petunias, 3-in., \$6 per 100. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Bedding plants: Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, Coleus, Alternantheras, Ageratum, Verbenas, Salvia, Aster, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

BEGONIAS.

Begonia Lorraine and Glory of Cincinnati, 2½-in. pots, leaf cuttings, immediate delivery. Julius Roehrs Co., Rutherford, N. J.

BOUVARDIAS.

Bouvardias, red, pink and white, 2-in. pots, \$3 per 100. Henry Smith, Florist, Grand Rapids, Mich.

BERRIED PLANTS.

BERRIED PLANTS.

Jerusalem cherries for field planting, strong, 2½-in., \$3 per 100; \$25 per 1,000.

Fra Diavola, a fine plant to grow in field for Xmas sales; full of berries, \$3 per 100; \$25 per 1,000.

Cluster Peppers, strong 2½-in., \$3 per 100. Celestial Peppers, an indispensable Xmas plant, strong, 2½-in., \$3 per 100; \$25 per 1,000.

POEHLMANN BROS. CO.,

Morton Grove, Ill.

BOXWOOD.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods, obelisk, 5-ft., \$12 each. Globe shaped, 12-15-in., \$2 to \$2.50 each; 20-24-in., \$4.50. Bushes, 12-in., 30c each. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

BULBS.

Gladioli. A good mixture, \$1 per 100; \$9 per 1,000. Choice Florists' mixture, white, light and pink, \$1.75 per 100; \$16 per 1,000. Pink Augusta, best forcing pink, \$2.25 per 100; \$20 per 1,000. Cash. 250 at 1,000 rates. Also America, Augusta, Francis King, Mme. Moneret, Klondyke, George Paul, etc. Send for price list. STEVEN'S GLADIOLI CO., Saginaw, W. S., Mich.

Bulbs, freesia, No. 1. ½-in. and up, \$5.50 per 1,000; No. 2, ¾-in. and up, \$3.50 per 1,000. Morris & Snow Seed Co., 425 S. Main St., Los Angeles, Calif.

Bulbs, lily multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, cold storage Giganteums, 7-9-in., 8-9-in., and 9-10-in. Yokohama Nursery Co., Ltd., 51 Barclay St., New York.

Bulbs, S. S. Skidelsky & Co., 1215 Bets Bldg., Philadelphia.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

CALLAS.

GODFREY CALLAS.

2½-in., \$4.00 per 100.

CONARD & JONES CO.,

WEST GROVE, PENNSYLVANIA.

CANNAS.

Cannas, Henderson, Kate Gray, Austria, Italia, Allemania, Egandale, 4-in., 3c. Memphis Floral Co., Memphis, Tenn.

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IMPROVED CANNAS.

Sixty varieties, healthy plants ready for delivery. Please send for list. King Humbert Canna plants ready for delivery, price \$9 per 100. THE CONARD & JONES COMPANY, West Grove, Pa.

10,000 potted cannas, 25 leading varieties, \$5 per 100 and up; lots of Humbert and Wm. Sander, 25,000 seasonable bedding plants, 2½ and 3-in. 200,000 R. C. chrysanthemums, \$15 per 1,000. Lists free. Benj. Connell, Florist, Merchantville, N. J.

Cannas, 3-in. pots, good sorts, \$3 per 100; \$25 per 1,000. King Humbert, \$5 per 100; \$40 per 1,000. R. Vincent, Jr. & Sons, White Marsh, Md.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Canna King Humbert, fine 3-in., \$10 per 100. Henderson, Alemania, Wallace, \$5 per 100. Cash please. Harry Heintz, West Toledo, O.

King Humbert Cannas, 1,000 strong 4-in. plants, \$8 per 100. R. Witterstaetter, Sta. F, Cincinnati, O.

Cannas, A. Bouvier, 3-in., \$5 per 100. Erie Floral Co., Erie, Pa.

CARNATIONS.

Carnations, from 2-in. pots: Rosette, St. Nicholas, Benora, \$6 per 100. White Perfection, White Enchantress, Scarlet Glow, \$3 per 100. F. Dörner & Sons Co., LaFayette, Ind.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Dilledouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

Carnation Princess Dagmar, \$12 per 100; \$100 per 1,000. Patten & Co., Tewksbury, Mass.

Carnation The Herald, the new scarlet. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, chrysanthemums. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnations. Wood Bros., Fishkill, N. Y.

Carnations. J. L. Dillon, Bloomsburg, Pa.

CENTAUREAS.

Centaurea Gymnocarpa, 2-in., 1½c. Memphis Floral Co., Memphis, Tenn.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

STRICTLY FIRST-CLASS STOCK.

PINK GEM, 2-in. pots, \$5 per 100; rooted cuttings, \$4 per 100.

CHRYSOLOREA, 2-in. pots, \$4 per 100; \$3 per 1,000; rooted cuttings, \$3 per 100; \$25 per 1,000.

WHITE BONNAFFON, DONATELLO, YELLOW IVORY, GLORIA, GLORY OF PACIFIC, NAGOYA, POLLY ROSE, ROMAN GOLD, PATTY, SMITH'S ADVANCE, PACIFIC SUPREME, MRS. H. ROBINSON, UNAKA, WHITE HELEN FRICK, from 2-in. pots, \$3 per 100; \$25 per 1,000; rooted cuttings, \$2.50 per 100; \$20 per 1,000.

Pompons, anemones, singles and exhibitions. Not less than 25 of a kind at 100, 250 of a kind at 1,000 rate. Those desiring less than 25 plants of a kind will be quoted on application. For type, color and flowering season, refer to our 1913 catalogue.

ELMER D. SMITH & CO., ADRIAN, MICH.

POMPONS OUT OF 2½-INCH POT.

Per 100
Sonovia, early yellow.....\$2.00
Baby Mum, yellow.....2.00
Quinola, yellow.....2.00
Klondike, yellow.....2.00
Lulu, white.....2.00
Mrs. F. Ben, bronze.....2.00
Cash with order or C. O. D.

JOS. SCHOOS,

519 Ashbury Ave., Evanston, Ill.

Chrysanthemums, from 2½-in. pots at 2½c. Rosiere, Bergman, White Eaton. From 2½-in. pots at 3c. Chrysolora, the finest early yellow grown. We have a large stock. From sand at \$2 per 100; \$15 per 1,000. Rosiere, Bergman, Touset, Oct. Frost, Robinson, White Eaton, Yellow Eaton, Unaka, Minnie Baily, Mary Foster, Chrysolora, the best early yellow, at \$2.50 per 100; \$20 per 1,000. Joy Floral Co., Nashville, Tenn.

Chrysanthemums, "Cap Family" and other varieties, \$10 per 100. Pompons, our selection, \$3 per 100; \$25 per 1,000. Standard varieties, Unaka, Gloria, Col. Appleton, Wells' Late Pink, etc., \$25 per 1,000 for 2½ in. pot plants. Chas. H. Totty, Madison, N. J.

Chrysanthemum cuttings, from sand and soil as follows: White—Estelle, Smith's Advance, Oct. Frost, Ivory, Pres. Taft, Yellow—Golden Glow, Yellow Ivory, Yellow Eaton, Pink—Glory Pacific, Pink Ivory, Minnie Bailey, \$1.25 per 100; \$12 per 1,000. D. H. Green, Boonsboro, Md.

Chrysanthemums, all the best varieties for bush form pot plants, 2½-in., \$3 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

HEADQUARTERS.

Chrysanthemums, Rooted Cuttings.

WHITE. Per 100
Snow Queen.....\$2.00
YELLOW.

Halliday.....2.00
PINK.
Maud Dean.....2.00
Dr. Enguehard.....2.00

POMPONS.

WHITE. Per 100
Diana.....\$2.00
Baby Margaret.....2.00
Lulu.....2.00

YELLOW.
Baby.....2.00
Pretoria.....2.00

PINK.
Ladysmith.....2.00
CUT BACK CHRYSANTHEMUM PLANTS.

WHITE. Each
W. Chadwick.....2½c
Eaton.....2½c

Emberta.....2c
Alice Byron.....2c
Snow Queen.....2c
Early Snow.....2c

Lynwood Hall.....2½c
Mrs. Chas. Razer.....2½c
Arleta Dubois.....2c
Touset.....2c

Mrs. Buckbee.....2c
YELLOW.
Golden Chadwick.....2½c

Bonnafton.....2c
Yellow Eaton.....2½c
Dolly Dimple.....2½c

Golden Eagle.....2c
Halliday.....2c
Nagoya.....2c
Appleton.....2c

PINK.
Dr. Enguehard.....2c
Balfour.....2c
Maud Dean.....2c

Rosette.....2c
Rosiere.....2c
RED.
Intensity.....2c

CUT BACK POMPONS.

WHITE. Each
Baby Margaret.....2c
Diana.....2c

YELLOW.
Quinola.....2c
Baby.....2c
Pretoria.....2c

PINK.
Ladysmith.....2c
BRONZE.
Mrs. Beu.....2c

WIETOR BROS.

162 N. Wabash Ave., Chicago.

CHRYSANTHEMUMS.

ROOTED CUTTINGS—READY NOW.

\$1.50 per 100; \$12.50 per 1,000.

White. Silver Wedding
Oct. Frost.....Yanoma
Early Snow.....Yellow.
C. Touset.....Monrovia
F. Poehlmann.....Halliday
White Cloud.....Appleton
Des Jonis.....Golden Wedding
Queen

MEMPHIS FLORAL CO., TENN.

Chrysanthemums to clean out. A No. 1 plants of Glory Pacific, early pink, 2½-in., \$1.50 per 100 while they last. None better. C. P. Bethards, Springfield, O.

Chrysanthemums, Chrysolora and Chas. Razer, rooted cuttings in lots of 50 of a variety, \$20 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums, rooted cuttings and 2½-in. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemum Virginia Poehlmann, 1,500 strong 3-in. pots, \$3 per 100. R. Witterstaetter, Sta. F, Cincinnati, O.

Chrysanthemums, rooted cuttings. Erie Floral Co., Erie, Pa.

Chrysanthemums, leading varieties, \$3 per 100. Henry Smith, Florist, Grand Rapids, Mich.

CINERARIAS.

Cinerarias, gold medal strains, from 2-in. pots, medium high, dwarf, double, stellata, dwarf large flowering Stella, mixed colors, frame grown, 3c. J. L. Schiller, Toledo, O.

CLEMATIS.

Clematis paniculata, 3-in., strong, 6c. Memphis Floral Co., Memphis, Tenn.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, Verschaffeltii, Golden Queen, Golden Bedder, Beckwith's Gem, Firebrand, Lord Palmerston, 2½-in., \$2.50 per 100; \$20 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Coleus, Golden Bedder, Verschaffeltii, John and Anna Pfister, in quantity, 2-in. at 1½c each. Memphis Floral Co., Memphis, Tenn.

CROTONS.

Crotons, 3½ and 4-in., \$4 per doz. Vaughan's Seed Store, Chicago and New York.

CYCLAMEN.

Cyclamen, 3-in. pots, very finest strain, \$10 per 100. Julius Roehrs Co., Rutherford, N. J.

Cyclamen, strong 2½-inch, best colors, \$5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

DAISIES.

VIGOROUS DAISY PLANTS.

IMMEDIATE SHIPMENT.

Alexandra, 2½-in., 4.00 per 100

Mrs. Sander, 2½-in., 4.00 per 100

Mrs. Sander, 3-in., 6.00 per 100

WEILAND & RISCH,

154 N. Wabash Ave., Chicago.

DRACAENAS.

Dracena indivisa, 2-in., \$3 per 100; 3-in., \$5; 4-in., \$12; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$6 per doz.; 8-in., \$1 to \$1.50 each. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracena, Linden and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz.; 7-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Chicago and New York.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

Dracena Massangeana, 6-in., \$1 to \$1.75 each. Poehlmann Bros. Co., Morton Grove, Ill.

FERNS.

Table ferns, 10 varieties, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$8 per 100; \$55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Boston ferns, 3-in. ready for 4-in., Sc. Memphis Floral Co., Memphis, Tenn.

Boston and Whitman ferns, 3-in., 10c; 4-in., 15c; 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Robbink & Atkins, Rutherford, N. J.

FICUS.

Ficus pandurata, 6-in., \$3.50 each. Elastica, 6-in., 75c to \$1. Poehlmann Bros., Morton Grove, Ill.

FUCHSIAS.

200 Fuchsias, Black Prince, 4-in., fine, \$7 per 100. James Hain, 2150 W. 51st Pl., Chicago.

GARDENIAS.

Gardenia, Veitchii, 2½-in., \$7 per 100; \$60 per 1,000; 3-in., \$12 per 100; \$100 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

GERANIUMS.

Geraniums, 3½-inch Nutt, Grant and Lakeland, \$6.50 per 100; \$60 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

2,000 geraniums, S. A. Nutt, Poitevine, Harrison, Redfield and Buchner, all in bud and bloom to move quick, \$7 per 100. James Hain, 2150 W. 51st Pl., Chicago, Ill.

Geraniums, Heteranthe, Castellane, Trego, S. A. Nutt, Grant, 3-in., ready to plant out, 3c. Memphis Floral Co., Memphis, Tenn.

Geraniums, rooted cuttings, Ricard, \$12.50; Nutt and Poitevine, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, for varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

1,000 Mme. Sallerol, 2 and 2½-inch pots, \$2 per 100. James Hain, 2150 W. 51st Pl., Chicago.

Geraniums, \$18.50 per 1,000 for 2-in. plants. Scarlet Bedder, 3-in., \$1.50 per doz.; \$10 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, 2½-in., \$25 per 1,000. Cash with order. Frank Felke, 828 Ridge Ave., Wilmette, Ill., Telephone 1236.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

1,500 4-inch red geraniums, CLIFTON and 1,000 4-inch white geraniums Buchner, \$7.50 per 100. 200 5-inch Sprengerii, 20c each, from pots, and 200 hanging baskets, 40c each. THE RIVERBANK COMPANIES, Geneva, Ill.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut-Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, buckleberry, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. Caldwell The Woodsman Co., Evergreen, Ala.

Huckleberry foliage, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. E. A. Beaven, Evergreen, Ala.

HOLLYHOCKS.

Hollyhocks, asst. colors, \$40 per 1,000. Hardy chrysanthemums, clumps, \$5 per 100; strong 2½-in. plants, \$3 per 100. Herbaceous perennials from 2½-in. pots. The New England Nurseries Co., Bedford, Mass.

HARDY PLANTS.

Iris and perennials. E. A. Reeves, South Euclid, O.

HYDRANGEAS.

Hydrangeas in pots and tubs, \$1.50 to \$3.50 each; large specimens, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

Hydrangea Otaksa, specimens in half barrels, \$5 and \$7.50 each; 14-inch tubs, \$2 and \$3 each; smaller sizes, 50c and 75c. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangea Otaksa, 6-in., 3 to 6 flowers and buds, 35c to 75c. Erie Floral Co., Erie, Pa.

Hydrangeas, in bloom, 25c, 35c, 50c and 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

IVIES

English ivy, 4 ft., 4-in. pots, \$15 per 100; 4½-in., \$20. Bobbink & Atkins, Rutherford, N. J.

English ivy, grown in 3½ and 4-in. pots, \$10 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

English ivy, 4-in. pots, heavy, \$12 to \$14 per 100. Charles Lenker, Freeport, L. I., N. Y.

JASMINES.

Jasmines, Grand Duke, Maid of Orleans, Cape Jasmines, 3-in., bushy, 6c. Memphis Floral Co., Memphis, Tenn.

LAUREL.

Laurus cerasus bush, 35c to \$1 each; standards, \$7.50 to \$10 each; pyramids, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley, pips, Berlin and Hamburg, \$32 per case of 3,000. J. M. Thorburn & Co., 53 Barclay St., New York.

From Storage.

Lily of the valley, cold storage, \$18 per 1,000; \$9.50 per 500; \$5 per 250. H. N. Bruns, 3032-42 W. Madison St., Chicago.

MOONVINES.

Moonvines, 3-in., blue and white, at 2c. Memphis Floral Co., Memphis, Tenn.

MOSS.

Green sheet moss, 1 bale (5 bundles), \$1.25; 5 bales (25 bundles), \$6. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

Moss, surplus of 12 barrel bale New Jersey moss, delivered anywhere in Chicago, \$5 per bale, 2 or more bales, \$4.75 bale. Klehm's Nurseries, Arlington Heights, Ill.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

Sphagnum moss, full size bales, clean stock, new burlaps. Vaughan's Seed Store, Chicago.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture. American Spaw Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Peach pits. J. K. Morrison Grocery & Produce Co., Statesville, N. C.

Evergreen hedges and hardy phlox. Adolf Mullett, Norristown, Pa.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PALMS.

Palms, Kentia Forsteriana, 4-in., 25c to 35c; 5½, 5½ and 6-in., 25 to 50 inches high, 50c to \$2.50 each. Belmoreana, 4½-in., 25c and 35c each; made up 3 plants in pot, 6-in., 75c and \$1. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Kentia Belmoreana and Forsteriana, from 4-in. to 10-in. plants, from \$4.50 per doz., to \$12.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Palms, For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Phoenix Canariensis, fine large plants, \$7.50 to \$35 each. Julius Roehrs Co., Rutherford, N. J.

Palms of all kinds. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANDANUS.

Pandanus Veltheil, 5-in., \$1; 6-in., \$1.50; 7-in., \$2; 8-in., \$2.50; 8-in. tubs, \$3. Vaughan's Seed Store, Chicago and New York.

Pandanus Veltheil, 5-in., \$1 each; 6-in., \$1.25; 7-in., \$2. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus Veltheil, 6-in., \$1 each. Jos. H. Cunningham, Delaware, O.

PANSIES

Pansies, Romeo Prize Winners, bud and bloom, \$1.25 per 100; \$10 per 1,000. C. Humfeld, Clay Center, Kans.

PEONIES.

PEONIES.

"PEONIES FOR PLEASURE."

This book of "Peonies for Pleasure" gives information on peony history, soil and plants to use; how and when to plant; fertilizers and how to apply; and describes the most extensive planting of really valuable peonies ever gathered together under the sun; describes the old and new as well as plebeian and aristocrat of the peony family. If you want information on the plant that stands next to the rose in beauty, that is practically known to the amateurs simply as a red, white and pink peony, then send for "Peonies for Pleasure." We also issue a special wholesale price list of peonies for fall sales, 1913. Send for both of the booklets. Our catalog of everything you need mailed on application. Write for it today.

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Peony roots. Order now for Sept. delivery. Peterson Nursery, 30 No. La Salle St., Chicago.

Peonies. E. A. Reeves, South Euclid, O.

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Christmas peppers, New Cluster, branching new Cluster, Celestial peppers and Solanum Melvini, 2½-in. pots, \$3 per 100; \$25 per 1,000, 500 or more at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

PETUNIAS.

Petunias, Ruffled, Giants, Singles, 4-in., 3c. Memphis Floral Co., Memphis, Tenn.

PRIMULAS.

PRIMULAS, best strains in existence, from 2-in. pots. CHINESE GRANDIFLORA, 12 separate colors or mixed, 2½c. FIVE SELECT NAMED VARIETIES, 3½c. STELLATA, STAR PRIMROSE, 3 colors, 3½c. CHINESE GIANT MIXED, 3c. MALACOIDES, the giant baby primrose, 3c. OBCONICA GRANDIFLORA, 10 separate colors or mixed, 3c. GRANDIFLORA FRINGED, 5 colors or mixed, 3c. OBCONICA GIGANTEA, 5 colors or mixed, 3c. J. L. Schiller, Toledo, O.

Primula obconica, 4-in., \$5 per 100; \$45 per 1,000. 2½-in., \$1.50 per 100; \$14 per 1,000. Malacoides, giant baby primrose, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Primula obconica grand., 2½-in., \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Primroses, Chinese, Obconica, babies, \$2 per 100. Jos. H. Cunningham, Delaware, O.

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Poinsettias, June and July delivery, \$7 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Poinsettias, \$7 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

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CHOICE ROSE PLANTS.

	Per 100	Per 1,000
Fine 2½-in. stock.	100	1,000
American Beauties	\$ 5.50	\$ 50.00
Richmond	3.50	30.00
Pink Killarney	4.50	40.00
White Killarney	4.50	40.00
Sunburst	12.00	100.00

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162 North Wabash Ave. Chicago.

ROSE PLANTS, 2½-INCH POTS.

	Per 100	Per 1,000
My Maryland	\$3.50	\$30.00
Pink Killarney	3.50	30.00
Richmond	3.50	30.00
ONE-YEAR-OLD BENCH PLANTS.		
Pink and White Killarney	\$3.50	\$30.00
Beauties	3.50	30.00

GEO. REINBERG,

162 North Wabash Ave. Chicago

Roses, grafted, Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$10 per 100; \$100 per 1,000 in 5,000 lots; \$87.50 per 1,000 in 10,000 lots and \$95 per 1,000 in 100,000 lots. Killarney Queen, \$15 per 100; \$120 per 1,000. Own root: Prince de Bulgarie, Melody, Lady Hillingdon and My Maryland, \$6 per 100; \$55 per 1,000. Richmond, 2½-in., \$5 per 100; \$45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, Milady and Mrs. Geo. Sawyer, grafted, \$30 per 100; \$250 per 1,000. Mrs. Chas. Russell, grafted, \$35 per 100; \$300 per 1,000. Mrs. Taft, Mrs. Aaron Ward, Richmond, Killarney, White Killarney, Lady Hillingdon, Radiance, Bon Silene, Bride, Golden Gate, grafted, \$15 per 100; \$120 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Roses, Mrs. Geo. Sawyer, 4-in., \$30 per 100; \$250 per 1,000. Milady, own root, \$30 per 100; \$250 per 1,000. Pink and White Killarney, Richmond, Taft, My Maryland, American Beauty, 4-in., \$12 per 100; 3-in., \$10 per 100. Bon Silene, 3-in., \$10 per 100. Chas. H. Totty, Madison, N. J.

ROSE PLANTS.

	100.	1,000.
Pink Killarney, 2½-in.	\$4.00	\$35.00
Pink Killarney, 3-in.	5.00	45.00
Chatenay, 3-in.	4.00	35.00
Ivory, 3-in.	4.00	35.00

UNITED STATES CUT FLOWER CO.,

ELMIRA, N. Y.

ROSE PLANTS.

	Per 100	Per 1,000
200 Melody, 2-inch pots	\$3.50	\$30.00

SINNER BROS.,

56 E. Randolph St., Chicago.

Roses, 3-in., 900 Richmond, 500 Maryland, 100 Kaiserin, 300 Carnot, \$6 per 100. 2½-in.: 150 Kaiserin, 50 Carnot, \$5 per 100; 1,000 Hillingdon, \$6 per 100. Erie Floral Co., Erie, Pa.

ROSES, strong, young plants, for growing on. Send for list including Excelsa, new Red Dorothy Perkins, \$4 per 100; \$30 per 1,000. THE CONARD & JONES COMPANY, West Grove, Pa.

Roses, grafted, Killarney, Waban White Killarney and Lady Hillingdon, strong plants, from 3-in. and 3½-in., \$12 per 100; \$100 per 1,000. Robert Scott & Son, Sharon Hill, Pa.

Roses, good, clean stock, 3½-in. pots. Pink and White Killarney, Kaiserin, \$6 per 100; \$50 per 1,000. Killarney Queen, \$12 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses, 3-in. stock, fine plants, at \$6 per 100; Richmond, Radiance, Perle, Ward and Maryland. HENRY SMITH, Grand Rapids, Mich.

Crimson Ramblers, 5 and 6-inch pots, 3-foot canes, \$25 per 100. Charles Lenker, Freeport, L. I., N. Y.

Pink Killarney, 2½-inch pots, \$30 per 1,000. Lady Hillingdon, 2½-inch pots, \$30 per 1,000. L. B. Coddington, Murray Hill, N. J.

Roses. J. L. Dillon, Bloomsburg, Pa.

SALVIAS.

Salvia, Schenley, Ball of Fire, Bonfire, King of the Carpets, Splendens, Zurich, 2½-in., \$2.50 per 100; \$20 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

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Salvia Splendens and Bonfire, 60c per 100; \$5 per 1,000. Dracena indivisa, 2-in., \$2 per 100. Geraniums, 2-in., \$1.85 per 100. Cobea Scandens, 2-in., \$3 per 100. Marguerite, Mrs. F. Sander, 2-in., \$2 per 100. Double Alyssum, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

Salvia Zurich, 2-in. at 1½c each; 3-in., 2½c. Memphis Floral Co., Memphis, Tenn.

SNAPDRAGONS.

Snapdragons. Ramburg's famous silver pink, rooted cuttings, \$2 per 100; extra strong, 2½-in., \$3.50 per 100. Addems, Morgan & Co., Paxton, Ill.

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Stevias, 2-in., 2c. Memphis Floral Co., Memphis, Tenn.

UMBRELLA PLANTS.

Umbrella plants, ready to shift, 2½-inch, \$3 per 100. Poehlmann Bros. Co., Plant Department, Morton Grove, Ill.

VEGETABLE PLANTS.

20,000 4 to 5 ins., New Stone tomato seedlings, 90c per 1,000; or \$15 for the lot. 50,000 all varieties of tomato plants, \$2 per 1,000. 50,000 Al short, stocky cabbage plants, \$1 per 1,000; \$4 per 5,000. Kale, cauliflower and red cabbage plants, \$1 per 1,000. 300,000 good, well rooted Red Bermuda, Yellow Jersey, Southern Queen and Strasburg sweet potato plants, \$2 per 1,000. Cash with order. T. L. Cook, Greenview, Ill.

Vegetables—Celery, Golden Self-Blanching, 40c per 100; \$2.50 per 1,000; White Plume, Golden Heart, Giant Pascal, 20c per 100; \$1 per 1,000. Parsley, 25c per 100; \$1.50 per 1,000. Cabbage: Allhead, Ball-Head, Flat Dutch, Savoy, 20c per 100; \$1 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Vegetable plants: Tomato, \$1.50 per 1,000. Sweet potato, \$1.50. Celery, \$2. Cabbage, \$1. Tidewater Plant Co., Box 588, Franklin, Va.

For Sale.—Strong pieplant divisions, Linnæus and Victoria, \$4 per 100; \$25 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VERBENAS.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

1,200 Vinca Minor (myrtle), 4-in. pots, fine, \$4 per 100. James Hain, 2150 W. 51st Pl., Chicago.

Vinca Var., 2-in., \$2 per 100; \$18 per 1,000; 3-in., \$5 per 100. C. Humfeld, Clay Center, Kans.

Vinca Variegata, 4-in. pots, \$12 per 100. Charles Leuker, Freeport, L. I., N. Y.

Vincas, 4-inch, 10c and 12c; 5-inch, 20c and 22c. August Erickson, 3437 Foster Ave., Chicago.

Vinca variegata, grown in 3½ and 4-in. pots, \$10 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. J.

Vinca Variegata, 4-in., strong, 15c. Memphis Floral Co., Memphis, Tenn.

Vinca Var., 3-in., \$5 per 100. Geo. M. Emmons, Newton, N. J.

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50,000 Marie Louise Double Violet plants; these are well rooted in sand at \$15 per 1,000; 20,000 in 2½-inch pots at \$20 per 1,000. J. Vonder Linden, Rhinebeck, N. Y.

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Flower baskets, jardinières, hanging baskets, porch willow boxes, vases, novelties, etc. Aug. Storz, Burlington, Iowa.

Raffia, imported by us direct from Madagascar. Vaughan's Seed Store, Chicago and New York.

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Save your plants and trees. Just the thing for Greenhouse and Outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrips, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our Standard Insecticide will prevent ravages on your crops by insects. Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

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½ Pint - 25c; Pint - 40c; Quart - 75c
½ Gallon, \$1.25; Gallon, \$2.00; 5 Gallon Can, \$9.00
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Dilute with water 30 to 50 parts.

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A magazine cutter with a hardwood handle in which are six extra steel wheels. A reserve wheel always ready in case of accident. A "Red Devil" glass cutter you should have in your greenhouse for cutting any kind of glass—your local hardware man sells them. Ask for "Red Devil" No. 5, but get the genuine. Send us ten 2c stamps and we will send you ONE only as a sample.

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Chicago Notes.

The Kroeschell Bros. Co.'s shipping season has opened up at a lively pace. On June 12 three Kroeschell boilers were shipped to heat 85,000 square feet of glass. One of the boilers went to the Atlantic sea coast, the other one to the Pacific coast, and the third one to Milwaukee. The first shipment of the day was a No. 14 Kroeschell boiler to Mueller Greenhouse Co., Brown Deer, Wis.; the second a No. 14 to Carl Ruef, Salem, Ore., and the third

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That's what makes things grow, and that's what our improved

Flat Rafter Iron Frame GREENHOUSE

Gives you, without any sacrifice of strength. Simplified construction from foundation walls to eaves; 5½-inch instead of 1½-inch rafters, which allow us to reduce their depth from 3½ and 4 to 3 inches. Think of the morning and afternoon sunlight this saves.

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29 King's Road, North Tonawanda, N. Y.

a No. 6 boiler to E. Buchtenkirch, Sea Cliff, N. Y. Prompt delivery seems to be a part of this firm's service.

Dwight L. Harris of the Pulverized Manure Co. is in Kansas City on busi-

ness. J. B. Arnold of the same firm says that they now have a large supply of all its brands and that a considerable amount is now being placed in stock.



What the Users say

Fires Once Every Four to Six Hours in Coldest Weather

I am fully satisfied with your No. 2 Kroeschell Boiler. I have had different kinds of saddle and tubular boilers, but none of them give such satisfaction as yours. I have 7,000 sq. ft. of glass, and your boiler would take care of 8,000 sq. ft. of glass. I maintain 60° temperature and fire every four to six hours in cold weather; otherwise from six to eight hours.

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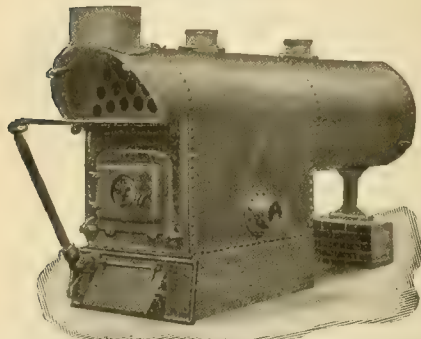
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Price, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

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GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{8}$ and $\frac{1}{2}$, 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade

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PERFECTION
SIZE 2 1/2 POINT

No. 2. Large single thick glass.
No. 2 1/2. Double thick.
Price, per 1000, 55c; by mail, 70c; 5,000, by express, \$2.50.
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Chicago, New York

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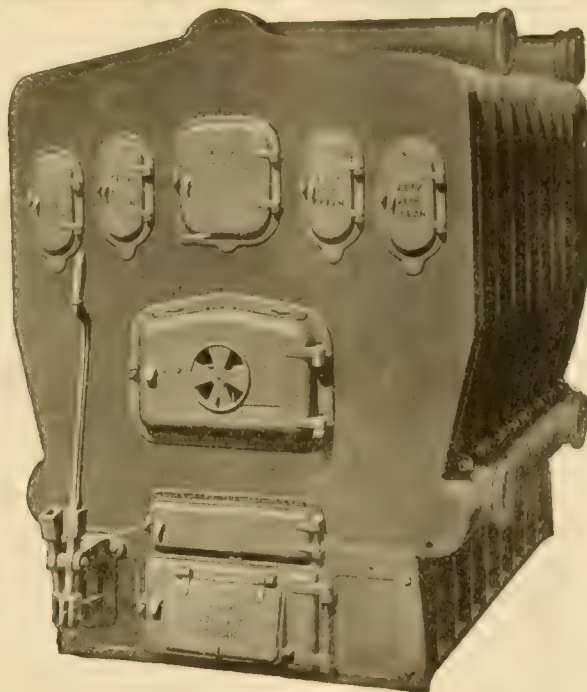


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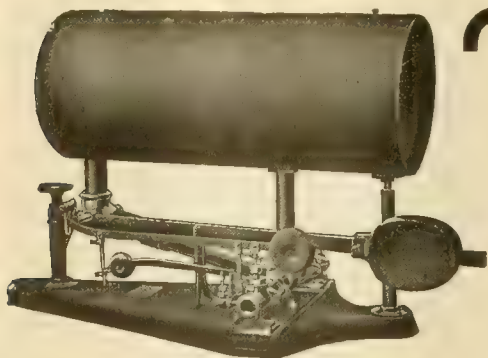
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Vol. XL

CHICAGO AND NEW YORK, JUNE 28, 1913.

No. 1308

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address; Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a year; Canada, \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from the trade. Volumes half yearly from August 3, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS — J. K. M. L. FARQUHAR, Boston, Mass., President; THEO. WIRTH, Minneapolis, Minn., Vice-President; JOHN YOUNG, 54 West Twenty-eighth Street, New York, Secretary; WM. F. KASTING, Buffalo, N. Y., Treasurer. Next annual convention and trade exhibition at Minneapolis, Minn., August 19-22, 1913.

AMERICAN PEONY SOCIETY.

Next annual meeting and exhibition, June 1914, at Chicago. B. H. FARR, Reading, Pa., President; A. P. SAUNDERS, Clinton, N. Y., Secretary.

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Next annual meeting Denver, Colo., August 25-27, 1913. JAMES B. SHEA, Boston, Mass., President; J. J. LEVISON, Brooklyn, N. Y., Secretary-Treasurer.

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RAILWAY GARDENING ASSOCIATION.

Seventh annual convention, Nashville, Tenn., August 12-15, 1913. C. H. TRITSCHLER, Nashville, Tenn., President; W. F. HUTCHINSON, Sewickley, Pa., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Primulas.

In growing primulas one should always keep in mind that they are cool growing plants and do not require any forcing with heat, but revel in good cool ventilation. The early sown seed should now be fine plants in 3-inch pots and making good growth if given right culture. A shaded frame is the best location for them, but if this is not to be had, the cool, airy end of the greenhouse lightly shaded will grow them very well. Water the plants carefully; if they are growing nicely they will require frequent watering, and if they were potted rightly will be benefited by a light spraying, but this must be done with caution or the plants will be knocked over and become broken if the force of water is too strong. Keep the plants potted up as fast as they need it, so as to get all the growth possible before the buds set when cooler weather comes on. Any flowering shoots that show themselves should be immediately pinched out.

Genistas.

Keep the genistas trimmed into the shape it is desired to have them grow, by continually pinching off all long, strong shoots that grow away from the desired form. The plants can be grown in almost any shape, either globular or pyramidal, by constant pruning. They can also be trained to fancy forms, such as fans or pillars, or even to the shape of baskets with handles, which make very effective pot plants for the Easter trade. These plants, although expensive, always attract attention at that season of the year. A wire frame the form of the handle basket is fastened over the pot and as the plant grows it is tied down to the frame in such a manner that when the side shoots break they will entirely cover the frame. Two strong leaders are selected and tied over the handles. When the shoots reach the edge of the frame they are stopped and the side shoots immediately break all along the length of the growth. These side shoots are kept pinched back to hold the form until mid-winter, when the flower shoots form, and if any of these are too long and stray away from the desired shape,

they can be tied in closely so that the form is retained. Keep the plants either plunged in a frame outside or in a cool, airy house and syringe frequently to prevent them from becoming infested with red spider. Keep the plants in a cool temperature throughout the winter, about 45° at night, until March, when they can be given a little more heat.

Violets.

The violet plants in the field will need constant cultivation not only for the purpose of keeping the weeds down but also to keep the ground in a fine growing condition and to conserve all the moisture in the lower soil that is possible. The plants will now be sending forth numberless runners and these should be removed, continually keeping the plants to the crowns. The plants often will make three or four crown growths. These should be left upon the plants and only the long runners removed. These runners can be taken off with a knife but should be cut clear back to the point where they branch from the plant. If any joints are left on the running shoots a crop of small weak runners will immediately sprout, taking the strength of the plant. A careful grower can much more quickly and better remove the runners by pulling them out, but care must be taken not to disturb the roots of the plant. The best way to do this is to grasp the base of the plant with one hand, holding it firmly in its position as growing; take hold of the runner close to the plant with the other hand, and with a sharp pull remove the runner. The pot grown plants of the double varieties can be now planted in the beds inside, provided the house can be given plenty of ventilation both on the sides and at the top, but if this is not possible it is preferable to keep the plants outside until the very hot weather has passed. Use plenty of old leaf mould or half rotted leaves in the soil, which should be well spaded in. It is far too early yet to plant any of the single violets inside; in fact, it is better to wait until frosty weather before removing these to their winter quarters. If planted too early they make large quantities of foliage and

will not produce either as many or as large flowers as plants that are not so heavily furnished with foliage.

Decorative Stock.

This is the season of the year for those that have a demand during the winter for decorative stock to carefully look over the sales for the past season and the stock on hand and make preparations for the coming year. Stock can now be purchased at lower prices than in the fall and much more safely packed and shipped than after the cool weather has begun. There is also still time to root and get up a stock of small plants that will be of great use in basket work or in fern dishes. The dracenas all root very quickly at this season and a few lengths of cane cut up and inserted in the propagating beds will produce fine small stock for the center of fern dishes. Many of the fancy leaved begonias, such as *metallica*, *argenteo-guttata*, *maculata* and others of the fibrous rooted section of this species, root easily at this season and make fine small plants with which to fill up arrangements and give a good assortment for this work. Any of the older decorative plants that have not received attention should be looked over at once. The plants that are used for rental can surely be given an overhauling and there is yet two good months to obtain a good growth and to get them into condition for another season. We have never been in favor of an outdoor treatment for this class of stock, but believe advantage should be taken of the summer months to get all the growth possible and the plants in suitable shape for the winter rentals. After the growth has been made and the cooler nights have come, they can be gradually cooled down and hardened off so that they will be in condition for the fall and winter decorations.

Lilium Harrisii.

The bulbs of *Lilium Harrisii* for early winter blooming will soon arrive and preparations should be made to handle them as soon as they are received. They should be potted as soon as they arrive and then placed in a cold frame. They can then be brought forward as they are wanted. The bulbs can be planted either in pots or boxes and later if it is desired set out in the benches to bloom. While it takes a little longer to plant them in pots they transplant much more successfully than when disturbed in moving from the boxes. Place the bulbs for the early flowering in a four-inch pot and dig out a frame, place the pots side by side in the frame and give them a good watering, then sprinkle on the top a thin layer of sand or ashes and cover with three or four inches of soil. Place shutters on the frame to keep them dark and cool until the bulbs have made roots. They can then be brought into the houses during the fall and early winter as they are wanted.

GRAND RAPIDS, MICH.—Although cut flowers are usually regarded as perishable, they are not included in this classification in the recent state law forbidding the employment of women more than 10 hours except where such perishable articles must be cared for immediately. For this reason Henry Smith and Alfred Hanna, local florists, were fined \$10 each. They claim that in reality their employees did not work more than the legal number of hours as they were often out for an hour or two during the day, but the court disregarded this plea.

WITH THE GROWERS

A. N. Pierson, Inc.

Although much has been said and written about A. N. Pierson, Inc., Cromwell, Conn., there is always something more that might be said, because they are always doing some new thing, or doing some of the old things in a new and better way. We have not asked them about their watchword, or if they have one, but "progress" would seem very appropriate. Even in these days of large achievements in horticulture, as well as every other line of human endeavor, 1,000,000 square feet of glass makes a greenhouse range to be proud of. We will not say that this is their exact glass area, but we are certain



Basket of Milady Roses.

Exhibited by A. N. Pierson, Inc., Cromwell, Conn., at the Cleveland Show, Arranged by Jones-Russell Co., Cleveland, O.

it runs very near to those figures. Then when you visit them and are impressed with the extent of their work, and re-visit them in a year or so, you are almost sure to notice a new house or a large addition here and there throughout the range.

It is not a mere figure of speech to say that A. N. Pierson put Cromwell on the commercial map of the United States. Before his time it was simply one of many towns in the state of Connecticut. The Pierson industries comprise two large ranges, but it is only a few minutes' walk from one to the other, and is an interesting walk, for nature has been kind to Cromwell in bringing forward a great number of noble trees, maples being very notable. Many of these trees, judged by their size, are quite old, though yet flourishing. There are many others that are looking fine that were planted by Mr. Pierson. We would not call the Piersons "specialists" in the sense that the word is often used. It is enough to say that they grow everything that is in general demand in the cut flower and plant trade, grow it well, and have reduced packing and shipping almost to a science, which, as all good florists know, is a most desirable feature of the business.

It would be a large undertaking to enumerate all their activities so we will be content to mention a few of the things that were most noticeable at the time of our visit, June 25. As the home of the noted new rose *Milady* we expected to find it in a flourishing condition, and were not disappointed.

There are 19,000 plants of this variety being grown for cut flowers and a great number of young plants have been shipped to the trade throughout the country. All who attended the Third National Flower Show at New York will recall the magnificent display of Killarney Queen made by this firm. They had there, it is true, many other good roses, but their Killarney Queen, so to speak, took the visitors by storm. At the greenhouses there are 12,000 or 15,000 Killarney Queen roses being grown for cut flowers and much good stock is being cut.

When we visited the place the propagation of chrysanthemums for this reason had just been discontinued. Altogether they have propagated half a million plants. Of this stock 175,000 will be grown in their own greenhouses for cut flowers, the balance sold as young plants. Grafting roses is an active industry at this range, the figures being about 700,000 in a season. In the field we noted 400,000 manettis and many others are bought from other firms. In the field, in addition, there is a very large planting of other stocks, 125,000 carnations, 30,000 asters and 50,000 gladioli are but a part of the figures. Two timely features that we noted were houses of fine *Adiantum Farleyense*, and also finely flowered hydrangeas. We particularly noticed the hydrangeas because of late we had heard complaint of the difficulty in securing well flowered stock. What has here been enumerated is but a small part of what may be seen at this great establishment. Though it is now drawing near the end of the carnation season for cut flowers, we found plenty of good stock here. Orchids, lilies, lily of the valley—everything, in brief, that the market demands is here. Visitors to this place are sure of a genial welcome from A. N. Pierson and his son, Wallace R. Pierson, the men who direct and manage this great enterprise. We may add that including the various occupations so great a business calls for, 400 men are employed.

A. F. F.

Rose Show at Hartford, Conn.

The exhibition at the Rose Gardens, Elizabeth park, Hartford, Conn., June 21, was a most enjoyable affair and we believe that every visitor went away much impressed with the solid worth of the men who managed the show. The award for the trial roses planted in Elizabeth park will be found in another column. The judges were: Wallace R. Pierson, Cromwell, Conn.; John F. Huss, Hartford, Conn., and Eber Holmes, Montrose, Mass.

The visitors were welcomed by Thomas S. Weaver, president of the park commission; Park Superintendent Parker; Alex. Cumming, Jr., head gardener of Elizabeth park; W. C. Ball, foreman at Pope park, and G. H. Hollister, foreman at Keney park. Other park employees were on hand to assist in the entertainment of the visitors. The original rose garden of Elizabeth park was planned by Theodore Wirth, now of the Minneapolis, Minn., parks. For its development, after the departure of Mr. Wirth from Hartford, much credit is due Alexander Cumming, Jr., the head gardener, though it must be understood that he has had the hearty support of the superintendent of parks and the park commissioners.



RAMBLER ROSES IN FAIRMOUNT.

A Beautiful Example of the Variety Dorothy Perkins—See Issue of June 14, Page 1153.

The rose garden covers an area, we should judge, of from 5 to 10 acres. This includes borders and beds of other stock. In the center of the garden on an elevation there is a commodious summer house covered with woodbine and climbing roses, which greatly enhances the effect. The garden is rich in arbors and trellises of climbing roses and the selection of varieties and their arrangement is admirable. Crimson and pink ramblers have been much used in the arbors, but there is a wealth of other varieties. Dorothy Perkins, Lady Gay, Seven Sisters, Universal Favorite, Hiawatha, Triumph, Philadelphia Rambler, Bridal Wreath, White Dawson, Pink Pearl, J. B. Clark, Wm. Eagan and Queen of the Prairies are all seen to advantage.

A noteworthy single rose in the above class is Leuchtfeuer (H. polyanthe), which at this time makes a fine display. Tausendschon, interspersed with other varieties, makes a fine display at the entrance to the garden. We had previously formed a good opinion of this rose, as it is seen in the retail stores, and our opinion as to its merit is confirmed by seeing it in full bloom, in the open ground. Christine Wright, another pink rose grown to stakes, showed good features. We might give a long list of single roses that are grown on the trellises of this garden if space permitted. The collection of hybrid perpetuals is very fine and includes all the best known varieties. Prominent are: Margaret Dickson, Hyppolyte Jamain, Miss Annie Wood, Helen Keller, Magna Charta, Jules Margottin, Duke of Teck, Hugh Dickson, Salamander, Fisher Holmes,

La Reine, Baroness Rothschild, Lady Helen Stewart and many other varieties.

The plan of the garden seems to be to represent the rose family in its many branches and to show just what may be done with the many different varieties of roses. As an instance, we find a number of well known varieties that had been grown as standard or tree plants. These included Mrs. John Long, Bernard Paul, Baby Rambler, Captain Christy and Jules Margottin. In tea and hybrid tea roses, we find practically all of the varieties that are popular in commercial floriculture.

The garden of old-fashioned flowers, in close proximity to the rose garden, is a feature worthy of note. Here we found all the flowers our mothers and grandmothers used to grow in their gardens. The Rock Garden, which we believe was started by Mr. Cumming, is another noteworthy feature. There are 540 varieties of plants, all suitable for the rockery, and it must have taken some thinking to assemble and arrange them. In this group is the Edelweiss.

While the judges and visitors were viewing the garden, Superintendent Parker passed around the word that everybody was expected to be at the mansion at the park entrance at 1:30 p. m. Arriving there, we found a bounteous repast. Park Commissioner Weaver sat at the head of the table, with Adolph Farenwald at his right and Benjamin Hammond at his left. After full justice had been done the viands, Mr. Farenwald and Mr. Hammond were in turn called upon for

speeches and both expressed themselves in felicitous terms.

After the luncheon, automobiles were in waiting and the party was taken through the entire park system of the city. Of the other parks, all of which are interesting and well cared for, the most extensive is Keney park, which in size is only exceeded by one other park in New England. Its beautiful landscape and forest scenery will be long remembered by those who visited it.

Among those who enjoyed this pleasurable outing were: Benj. Hammond, Fishkill, N. Y.; A. Farenwald, Philadelphia, Pa.; W. R. Pierson, Cromwell, Conn.; A. T. De La Mare, New York; Leonard Barron, New York; J. H. Pepper, Hempstead, L. I.; M. C. Ebel, Madison, N. J.; Eber Holmes, Montrose, Mass.; R. T. Brown, Cottage Gardens, Queens, N. Y.; F. L. Mulford, Washington, D. C.; Robert Pyle, West Grove, Pa.; A. F. Faulkner, New York; M. R. Jacobus, Ridgefield, N. J.; Prof. A. C. Beal, Cornell University, Ithaca, N. Y.; Wm. E. Ball, Hartford; G. H. Hollister, Hartford; J. P. Kemneas, Hartford. The last three named are Hartford park foremen.

JUDGES' REPORT.

Your judges passed on the exhibits of roses in the test garden at Elizabeth park, Hartford, Conn., June 21, 1913, and present the following report:

Robin Hood, disseminated by E. G. Hill Co., Richmond, Ind., 1912, parentage Rhea Reid X Richmond, scored 89 points. Certificate of merit.

Seedling No. 510, E. G. Hill Co., Rhea Reid X Chateau des Clos Vou-

gert. scored 80 points. Certificate of merit.

Seedling 525, E. G. Hill Co., Rhea Reid X Richmond, scored 87 points. Silver medal.

Milady, disseminated 1913. A. N. Pierson, Inc., Richmond X J. B. Clark, scored 88 points. Certificate of merit.

American Pillar, disseminated 1909, Conard & Jones, West Grove, Pa., scored 85 points. Certificate of merit.

Dr. Van Fleet, disseminated 1910,

THE SWEET PEA.

American Sweet Pea Society.

Owing to the lateness of the season, it has been decided to postpone the date originally set for the exhibition and convention to Saturday and Sunday, July 12-13. The following special prizes have been offered:

The W. Atlee Burpee cup, value,

The Arthur T. Boddington prize, challenge silver cup, value, \$50.00, for a collection of sweet peas, 25 varieties, not less than 25 stems to a vase, to be shown with sweet pea foliage only. To be won twice by the same exhibitor. There will also be awarded to the winner of this cup (each time won), a cash prize of \$25.00; second prize, \$15.00; third prize, \$10.00.

The Peter Henderson & Co.'s prizes—for private gardeners, \$25.00; for amateur gardeners, \$25.00; for particulars, see schedule.

The Henry A. Dreer, Inc., prizes, best vase of Mrs. Routzahn Spencer—First prize, \$3.00; second prize, \$2.00. Best vase of Mrs. Walter Wright Spencer—First prize, \$3.00; second prize, \$2.00. Best vase of George Herbert—First prize, \$3.00; second prize, \$2.00.

The Henry F. Michell Co.'s prizes, for the best vase of 25 blooms sweet peas, Vermillion Brilliant without foliage—First prize, Michell's gold medal; second prize, Michell's silver medal.

For the best vase of sweet peas, Spencer varieties mixed with foliage (not less than 100 blooms)—First prize, Michell's gold medal; second prize, Michell's silver medal.

The Jerome B. Rice Seed Co.'s prize, for the best vase of White Spencer sweet peas—First prize, \$5.00; second prize, \$3.00; third prize, \$2.00.

The J. Horace McFarland Co.'s prize, for the best 12 vases of sweet peas, six Spencer varieties, six grandiflora varieties, 25 sprays to a vase, with any foliage—First prize, \$15.00; second prize, \$10.00.

The Stumpp & Walter Co.'s prize, for the best six vases of Spencer sweet peas in the following six colors: Crimson Spencer, White Spencer, Variegated Spencer, Lavender Spencer, Primrose Spencer—First prize, \$15.00; second prize, \$10.00; third prize, \$5.00. Not less than 25 sprays to a vase. Sweet pea foliage may be used unattached.

The Watkins & Simpson prize, for the best six vases Spencer or Unwin sweet peas—First prize, \$10.00.

The C. C. Morse & Co.'s prize, a silver cup, value, \$25.00, for the finest



RAMBLER ROSES IN FAIRMOUNT.

Universal Favorite—See Issue of June 14, Page 1153.

Peter Henderson & Co., scored 80 points. Certificate of merit.

Shatemuc, disseminated 1911, Shatemuc Nurseries, Barrytown, N. Y., hybrid of Multiflora nana, scored 83 points. Certificate of merit.

Seedling 411, John Cook, Baltimore, Md., Etoile de France X seedling, scored 83 points. Certificate of merit.

Seedling 425, John Cook, Baltimore, Md., Frau Karl Druschki X pink seedling, scored 86 points. Silver medal.

Radiance, John Cook, Cardinal X pink seedling, scored 86 points. Certificate of merit.

Climbing American Beauty, Hooper Bros. & Thomas, Westchester, Pa., Wichariana X Marion Dingee X American Beauty, scored 84 points. Certificate of merit.

Lady Hillingdon, Lowe & Shawyer, scored 83 points. Certificate of merit.

W. R. PIERSON,
E. B. HOLMES,
JOHN F. HUSS,

Judges.

MINNEAPOLIS, MINN.—The Minnesota State Horticultural Society and the Minnesota State Garden Flower Association held a joint meeting and exhibition at the experiment station in St. Anthony park June 20.

SAN DIEGO, CALIF.—A Board of seven directors were elected as follows at the annual meeting of the San Diego Floral Association: L. A. Blochman, Miss Kate O. Sessions, Miss Alice M. Rainford, Guy T. Keene, George V. Marston, Julius Wagenheim and John Morley. The new board will elect a president to succeed Alfred D. Robinson, who does not wish his name presented again.

\$25.00, for the finest 12 vases of sweet peas, 12 varieties.

The W. Atlee Burpee prize, for the best vase of one variety of Spencer type sweet peas introduced 1913—First prize, \$5.00; second prize, \$3.00; third prize, \$2.00.

The W. Atlee Burpee prize, for the best vase of grandiflora type of sweet peas—First prize, \$5.00; second prize, \$3.00; third prize, \$2.00.



RAMBLER ROSES IN FAIRMOUNT.

Manda's Triumph—See Issue of June 14, Page 1153.



BASKET OF SWEET PEAS BY A. LANGE, CHICAGO.

collection of sweet peas (open to the seed trade only); second prize, the American Sweet Pea Society's silver medal; third prize, the American Sweet Pea Society's bronze medal.

We are expecting other special prizes to be offered before the final schedule is published. As stated in my previous report, the Massachusetts Horticultural Society's schedule amounts to about \$500.00 and we are expecting to apportion a similar amount from our own treasury. With the special prizes offered this will make a very attractive schedule and should be productive of the best exhibition ever held under our auspices. The following firms and gentlemen have contributed generously toward the prize and general fund: The W. Atlee Burpee Co., Peter Henderson & Co., Arthur T. Boddington; Thomas Roland, William Sim, C. C. Morse & Co., The Aphine Mfg. Co., Duncan Finlayson. We are still open to receive additional special prizes and contributions toward the general fund which should reach me not later than next week.

HARRY A. BUNYARD, Sec'y.

PENDLETON, ORE.—This city's first rose show was so successful the Floral Exhibition Association will give one annually hereafter.

Garden Sweet Peas.

The Department of Agriculture's bulletin on experiment station work includes the following article on sweet peas:

The sweet pea can adapt itself to a variety of locations, but a position which provides for plenty of light and air at all times with a little shade from the midday suns of July and August is to be preferred. Plants grown in too much shade are usually weak and spindling with but few flowers. The drying summer suns tend to shorten the blooming period and also cause certain colors to fade. The effects of drought can be largely overcome, however, by early planting and by deep and thorough preparation of the soil. In seasons when the conditions are especially favorable sweet peas can be grown with fairly good results with no more preparation than is given ordinary vegetable ground, but as Prof. A. C. Beal writes in a recent bulletin of the Cornell station, "uniformly, year after year, the sweet peas with the strongest root systems will produce the finest flowers during the longest period." Vigorous root development can best be secured by planting just as early in the spring as the soil is dry enough to work, while the atmos-

pheric conditions are such as to retard or even to prevent top growth for several weeks.

Any ordinary garden soil is suitable for sweet peas, providing it is well drained. Since sowing should be done at the earliest possible date, the soil should preferably be prepared in the autumn.

The soil should be broken up to a depth of 15 inches to two feet, and on some soils even deeper. Unless the soil is very uniform in composition, it is disastrous to bring the bottom soil to the surface; but this should be turned over in the trench, mixing with it, if heavy and compact, rather coarse stable manure or litter. Sometimes leaves are available for placing in the bottom of the trench. The use of these materials in subsoil promotes drainage, as well as improves the soil.

If a good layer (four inches) of half-rotted stable or cow manure is placed between the top and bottom spadefuls, and the top soil, if heavy, made light with old manure, an excellent preparation has been made. The office of the manure is not only to increase the store of plant food, but also to increase the water-holding power.

An application of bone meal at the rate of 1 ounce per yard of trench,

as well as a good dusting of air-slaked lime applied while working the soil in the autumn will both prove beneficial. The lime will not only correct any acid condition existing in the soil, but it will also aid in releasing the residual plant food of the soil.

Certain white-flowered sweet peas have light-colored seeds, while others have black seeds. The white seeds frequently split in the pod before harvesting and are likely soon to lose their vitality if planted early when the soil is cold. Hence the white seeds should be sown rather thicker than, or not so deep as, the black seed. In the sweet-pea plantings at Cornell it has been found that an ounce of seed will plant 50 to 60 feet of row, and if the seed is good it should plant still more. This allows for one seed to every two inches.

In some seasons sweet-pea seeds are slow in germinating. It is well to examine such seeds in order to ascertain their condition. If the seeds are found dormant but still fresh and plump, the seed coats should be cut with a sharp knife and replanted, when they will germinate well. This difficulty is not confined to the sweet pea, but some of the other *Lathyrus* behave similarly. The trouble usually follows a very hot, dry season, when the seed becomes so excessively ripened as to render the seed coat impervious to water. Sometimes, in order to expedite germination, the seeds are soaked; a better method for the amateur is that recommended by — Hutchins, the most prolific writer on sweet peas in America, who places the seed packets in moist earth for seven or eight days, then takes them out and examines them. The swollen seeds are planted, and the others cut with a knife.

In a test conducted at Cornell in 1909-10 the best results were secured from fall-planted seed. When to sow the seed in the fall will depend largely upon seasonal conditions in the locality. The ideal to be attained is to sow the seed long enough before freezing weather sets in to permit the roots to develop, without at the same time starting the leaves into active growth.

FALL PLANTING.

In the season under discussion the finest and the earliest flowers were secured from plantings made in the fall. The preparation of the soil is the same as that already described, except that the soil is firmed and the trench filled level. On this a trench, or furrow, two inches deep is made, and the peas are planted at least as close as one seed every two inches. The row should be slightly ridged up so as to prevent water from standing and, as stated in the beginning, it is essential that the location be on a well-drained site. When the ground freezes a mulch of manure is placed over the row. In the spring when the bright weather comes the plants should be examined in order to see whether they are growing or whether the soil is soggy and cold. In either case the mulch should be removed from over the row, and should be left in the center so that, in case any weather should come when the safety of the plants is at all endangered, the old mulch may easily be applied to protect them.

The seed of the standard varieties of sweet peas is cheap, and the advantage gained in obtaining early flow-

ers, if the plants survive the winter, is worth the effort.

SPRING PLANTING.

As soon as the frost is out of the ground and the soil in workable condition in the spring, a heavy application of superphosphate of lime should be made and raked in. Care should be exercised not to get the soil too loose, and for this reason it is best to confine all stirring of the soil to smoothing the surface. Especially is this true with light soils, which, if stirred deeply in the spring, must be well firmed. Heavy soils that are likely to bake may be improved by working in a light dressing of old, thoroughly rotted manure. * * *

One method recommended is to hollow out a broad trench, 24 to 30 inches wide and two inches deep, and then sow the seed one inch deep in single or double rows. The trench should be kept open for six weeks in order to retain the water. This system is very good in a garden where all cultivation is given by hand; but where many rows are grown and cultivation is done with a horse and cultivator, it is manifestly impossible to make or to maintain such a trench. Furthermore, when horse cultivation is to be used there would be difficulty in keeping the young plants, if planted below the surface, from being covered during the early cultivations. Therefore, planting on the level is necessary in field culture. It is advisable, however, in garden culture, to plant so that when covered the row will be two inches below the ordinary level.

Shall the planting be in single drills, broad drills, or double rows or drills? It matters little, provided sufficient room is allowed for the growing plants. Another method of securing early blooms out of doors, which is practiced by many English growers and is especially valuable for exhibition purposes is to sow the seed in pots under glass, after which the plants are hardened in cold frames and planted out. Pot-grown plants should be started in February or March, the time depending somewhat on the latitude and seasonal conditions.

In order to secure suitable plants six seeds should be sown in 4-inch pots, using light, rich soil. * * *

When the plants are two or three inches high they should be given supports of short twigs and placed in a cold frame. Here they should be given plenty of air at every opportunity in order to secure a short, sturdy growth. If the plants do not catch hold firmly, they may be tied with raffia. When spring begins and the soil is in good condition the pots may be planted in the open one foot apart in a single row or two feet apart in a double row. In the latter case the plants alternate.

Sweet peas should be given some support from the time they begin to make tendrils. A variety of supports may be used, but, as Prof. Beal says:

In this country, where good, twiggy boughs can be obtained, such boughs unquestionably form the best support to use, since they are the most natural. In many places birches can be obtained in lengths of 12 to 14 feet. These may be prepared in the lengths desired. * * *

If the soil has been prepared properly and the plants look strong, and if the grower sees that the plants are watered and given every care, then the support should be six feet high. If

the soil is only moderately fertile or has not been deeply prepared, or if the grower does not intend to keep all seed pods picked off or can not water the plants in order to overcome drought, the support should be kept down to four feet. The variety has something to do with the height of the support, whatever the care bestowed, some varieties being naturally dwarfer growers.

The sticks should be cut in late winter or very early spring, so that they are still rather green and tough enough to bear the load until the end of the season. They should be inserted in the soil at least a foot, because when clothed with vines to a height of six feet a strong windstorm exerts a tremendous leverage on them. Unless the sticks have been inserted deeply, or if they have become too dead and brittle, the row will go down under the force of the wind and the great weight of the wet vines. In order to guard against disaster, strong stakes are sometimes placed every ten feet and wire is run lengthwise through the sticks and fastened to the stakes. It is desirable to have the sticks bushy at the top, so that they spread out more than at the base; if not naturally so, leaning the stick alternately outward will produce this result. This gives greater freedom for the vines when in flower.

NETTING.

When other systems of supporting are to be employed it is quite imperative to provide a support of small, short twigs as soon as the seedlings begin to produce tendrils. This method prevents the rain from beating the small plants down and enables them to get up to the other support. In city gardens, owing to the difficulty in procuring suitable sticks, wire netting makes a very satisfactory support. The peas do not cling to it so well, but it is cleaner and neater in appearance, which is a compensating advantage.

The large 4-inch mesh is preferable, but in many places this is not procurable, and the ordinary chicken netting or fence is used instead. Strong stakes at intervals not to exceed ten feet are used to support the netting. One advantage of wire netting is that if stakes six feet high are used a 42 or 48 inch strip of netting may be placed in position, and if the season or soil is favorable and the peas grow above this, a narrow strip of netting may be added or a string or wire stretched from stake to stake over the row. A well-galvanized netting can be used repeatedly for several years, and will last longer if taken off in the fall and stored.

Frequent but extremely shallow cultivation should be the rule in growing sweet peas. They should not be allowed to suffer for lack of water, but watering should not be done until it is absolutely necessary, since if the soil has been deeply prepared the roots will go down after both moisture and plant food. When water is needed it should be applied thoroughly and at least two or three times a week in very dry periods. When it becomes necessary to water the plants a mulch of thoroughly rotted manure around the plants will be of great assistance in preventing too rapid evaporation.

The above-mentioned writer lays great stress on the necessity of dispo-

ding. In order to have fine flowers and a long succession of bloom, it is infinitely more necessary to keep the seed pods rigorously picked off than it is to cultivate, mulch, or water. The latter operations go for naught unless the pods are picked off. The writer thoroughly believes that the importance of watering has been overemphasized and that too many amateurs prefer to use the hose rather than to pick pods; then they assert that the sweet pea is not what it used to be—that it has lost constitution and the like. Of course the more highly developed the variety the less certain it is to bear up under neglect. There were on the trial grounds at this station in 1910 some of the oldest varieties, introduced from 1865 to 1890, then the latest hooded and grandifloras, and finally the waved type. Although no pods were picked from the first two types after July 20, there was a noticeable difference in the flowering habit. The old varieties were continuously blooming profusely, while the second class were sometimes completely destitute of flowers. The same holds true with regard to length of stem. Some plants of Countess Spencer were treated likewise in order to note the effect, and for them the season was over early in August.

The lesson is that if the grower does not intend to comply with the requirements of the improved types, it is better to grow Butterfly, Captain Clarke, Peach Blossom, and other small-flowered, precocious varieties.

FERTILIZERS.

After sweet peas are in full flower fertilizers may be applied. The best and safest fertilizer to use is liquid manure, diluted to the color of weak tea and applied once a week. It is often advantageous to alternate this with sulphate of ammonia or nitrate of soda at the rate of one ounce to six gallons of water. The plant usually responds better to phosphorus than to nitrogen, and even potash is often beneficial. Nitrate of potash and phosphate of potash dissolved at the same rate as the above-named fertilizers is of the proper strength to apply.

The most troublesome insects that attack sweet peas in the United States are the red spider and the pea aphid. The most serious fungus disease attacking the sweet peas in this country is the powdery mildew, which is often found late in the season when the plants are almost through bloom-

ing. The stems, leaves, and other parts of the plant become covered with the white, powdery coating. The disease may appear after a rain followed by very cold nights and hot days. The plants should be sprayed with potassium sulphid or dusted with sulphur or with a mixture of lime and sulphur, two parts of the former and one of the latter.

American Peony Society.

PRESIDENT FARR'S ADDRESS.

It gives me great pleasure to welcome you here again at our annual meeting and exhibition in Cleveland. It gives me added pleasure in the fact that I see again the same faces that I have become accustomed to meeting each year, and so it has become a

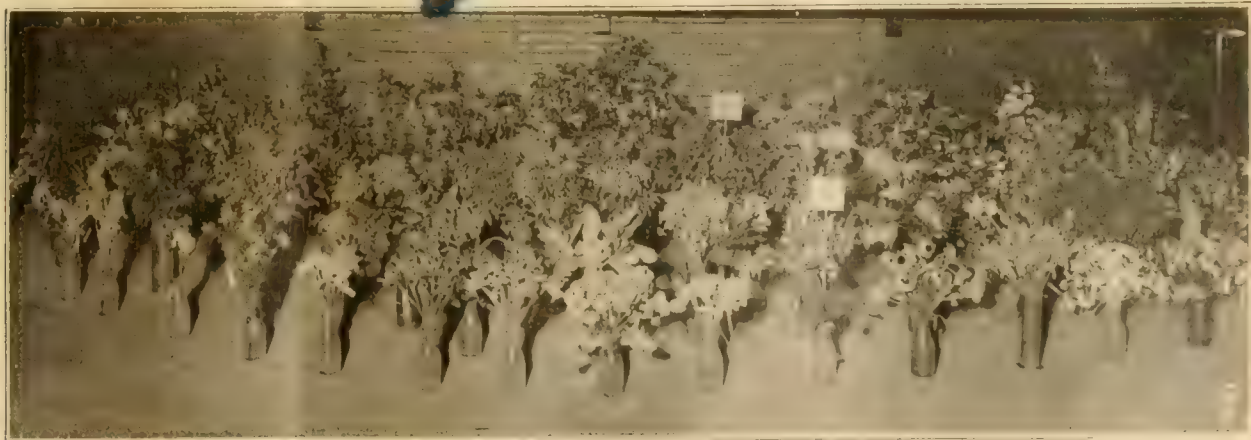


Peony Festiva Maxima.

habit with me to look forward to this meeting as a sort of reunion. It is one of the most encouraging features of the membership of this society that the same members, year after year, are willing to go to the expense and spend the time to travel long distances to attend these meetings, and it is largely due to this loyalty of these members that the society has been able to carry on its work so successfully.

It is extremely gratifying to me this year to meet the members again, as I am able to report such substantial progress in the work that has been going on throughout the country. Reports from all parts are that this has been a very unfavorable season for peony blooms, the mild winter and exceedingly warm weather in March and April having forced the plants into premature growth, which was checked by sudden freezing throughout the country during May, and with the result that the buds were, in many cases, destroyed entirely and blooms have been less than fifty per cent of what they are in normal years. Again, during the blooming season, the country has been visited by heavy frosts, which have affected the development of the late blooming varieties, so that in many ways it has been a most unsatisfactory season, more so than we have had for some years. In view of this fact, I consider it remarkable that we can truly say that the exhibit given here in Cleveland is the finest and most comprehensive that the society has ever shown, and speaks well for the efforts made by the exhibitors under such adverse circumstances. It is very gratifying to note that the attendance here in Cleveland of the general public has been large and that they have shown a great deal of interest in the exhibition, and the unusual number of invitations extended to us for our meeting of next year shows that the interest in the society and its work and the exhibition of peonies in general is increasing. This is also further attested by the fact that we have gained a larger number of new members during the past year than any year in our history.

Briefly reviewing the work of the society during the last year, I would state that the most important work was the disposal of the large plantings of peonies at Cornell University. All of the old collection in the test plot was sold to Doubleday, Page & Co., and the private collections were sold to various individuals, with the result that the society shows a net increase in its treasury balance, after covering all expenses, of over \$700.00. This amount, added to our previous balance, gives the society at the present time a net worth of approximately \$1,500, a showing which we believe no other society of so small a membership has ever been able to make in



CLEVELAND PEONY SHOW.

Exhibit of Flowering Shrubs by The Cleveland Forestry Department.

so short a time, in spite of the fact that our disbursements for premiums and contributions toward the publication of the bulletins and work at Cornell have been quite heavy each year. The digging and shipping of the Peonies from Cornell was accomplished under great difficulties, as during the week that the committee in charge of this was in Ithaca we had continuous rains for four days. It was almost impossible to employ help at any price, and help was only finally secured by offering double the wages that were prevailing, and no one who was not actually on the ground can in any way comprehend the difficulty that attended this task. The committee visited Doubleday, Page & Co., at Garden City, just previous to this meeting, and were surprised to find the peonies doing so well the first year after their removal. Doubleday, Page & Co. really have a splendid show of peonies this year. They are planted in a very advantageous situation and they expressed themselves as highly pleased with the result of their purchase.

The next and most important work of the society during the year was to arrange with Doubleday, Page & Co., subject to the ratification of the society, for the publishing of a complete peony manual, comprising all of the material in the present bulletins, after they have been edited, revised and corrected, together with such added material as can be gotten together as will make the book valuable for everyone interested in peonies, and to the public in general. It is the expectation that this work will be ready for publication during the coming autumn.

While the greater part of this work has naturally devolved upon the committee appointed for this purpose by the society, the committee feels that every peony grower and every member of the society should form a committee as a whole, to assist in every way possible toward making this final work as complete and as free from errors as it can possibly be made. All bulletins previously published will be revised, and all the members are requested to make a special study of the bulletins, making comparisons with their own experience and their plants in the field, and are earnestly requested to assist the committee by sending in any suggestions which may make the work more valuable, or their criticisms of any of the descriptions to be found in the present bulletins.

Information is especially desired along the following lines:

- (1) A list of all varieties that are authentic that are not yet included in the bulletins which it would be desirable to include.
- (2) Any information which will be of permanent value in the bulletins concerning the diseases of the peony and remedies for the same.
- (3) Methods of propagation and cultivation.
- (4) Information regarding the methods of handling the cut blooms for commercial purposes, including cold-storage, etc.
- (5) A list of the best one hundred varieties in the writer's opinion, for all purposes.
- (6) A list of the best fifty varieties for landscape or ornamental work.

Arrangements have already been made with Doubleday, Page & Co. for the publication of this work this coming autumn. All correspondence on this subject should be forwarded to Professor A. P. Saunders, Hamilton College, Clinton, N. Y., secretary of the society, and also a member of the committee on nomenclature. The publication of this work brings to close the first epoch in the history of the society. It is not expected that the first edition of this work can be made absolutely free from errors, or that it will be complete in every detail, as there are still many varieties to be passed upon, but to delay the publication of the work until such time as it would be complete would be merely to deprive the members of the results of our work for a number of years to come, and would, in the long run, hinder rather than aid the progress in the work of nomenclature.

While the old planting at Cornell has been abandoned, it must be borne in mind that the final permanent planting of all of the varieties that have been passed upon by the various bulletins has been carried out, and samples, consisting of three plants of each variety, have been planted in a permanent position, where they will remain at all times open to the inspection of members and others interested who shall visit this collection and study it. At the last meeting of the society the desirability of establishing other similar selections in different parts of the country, where the blooming season, owing to latitude, occurs at a different period, and where it would be more accessible to the general public, was discussed. The desirability of establishing such a collection at Arlington farms, under the protection of the United States government, was discussed, and it was voted unanimously by the society that the establishment of such a collection would be desirable and that steps should be taken to bring about such a planting, which should be known as representing the work of the American Peony Society, and which should, at the same time, be accessible to the large number of people that constantly visit Arlington. Those in charge of the Arlington farms and the Bureau of Plant Industry, at Washington, have assured us of their hearty co-operation in this matter, and that such a planting would have the greatest care and that it would be under the protection of the government, and should, under no circumstances, be distributed to private parties; but the suggestion has been made that when the time arrives for the division of the plants at Arlington that the increase should be sent to various other experimental farms under the care of the government, in different parts of the country, notably such as the one at Bellingham, Wash. In this way the society would finally have typical collections established in various parts of the country under the protection of the government, where they would be easily accessible to almost every one. The suggestion has been made that in order to bring this about in a proper manner a proposition should be made by the society to the Department of Agriculture, with the assurance that when such proposition is received it will be taken up at once and acted upon favorably.

It is with deep regret that I have to record the loss to the society of the services of Professor John Craig, through whose influence the University at Cornell was originally induced to take up this work, and without which the success which has been achieved would have been impossible. I am glad to state to the members,

however, that Professor Beal, who now has charge of this work at Cornell, is enthusiastic about the peony, and is very anxious to maintain the collection at Cornell and continue the peonies, and to assist the society in every way. The department is now carrying on an active study of the fungus disease which, in various localities, has attacked the peony. My own opinion of this disease is that it is transient and due largely to conditions prevalent during certain seasons, notably during the season just passed. It is a question whether the blight of the buds, that is sometimes noticed, is caused by the fungus, or whether the blight is caused by weather conditions, such as freezing, etc., which weakens the plant to such an extent that the fungus follows the injury. At any rate, it is the opinion among a large number of growers that while the disease should be stopped, and a remedy found to combat it, that it is not of sufficient importance to warrant any public agitation on the subject.

I want to repeat what I said last year, to the effect that the future success of the society is largely in the hands of the amateur growers, and it is the amateur class that will be our best contributors to the exhibitions, and it is through the exhibitions that the society will retain its influence and hold upon its members. For this reason, every effort possible should be made to raise the standard of our exhibitions and make them of such interest that members will feel well repaid for the time and effort spent in making exhibits, and that the contests in the various classes shall be so keen that the award of the society's medals and premiums shall be considered a real honor. It is interesting to note that during the last year over one-half of the new membership has come from amateur growers. I again want to congratulate you on the success of this present exhibition and the gratifying attendance, and to thank you, the committee who have had the details and arrangement of this meeting in charge and the officials of the Ohio Horticultural Society for their generous hospitality.

Popular Peonies.

At the Chicago peony show, June 12-13, the visitors were requested to name their favorites among the varieties exhibited, with the result subjoined. It should be stated that a comparatively small number of varieties were on exhibition at this show:

LIGHT PINK VARIETY.	
Eugenie Verdier	41
Therese	14
Miscellaneous	12
Unnamed	27
Total	94
WHITE VARIETY.	
Mme. de Verneville	29
Festiva Maxima	27
Miscellaneous	10
Unnamed	27
Total	93
DARK PINK.	
Modeste Guerin	29
Triumphe de'l Exposition de Lille. .	5
Miscellaneous	12
Unnamed	15
Total	71
RED.	
Augustin d'Hour	17
Mme. Martin Cahuzac	13
Miscellaneous	18
Unnamed	28
Total	76
Other colors	8

OBITUARY.

Frederick William Brookes.

With the death of Frederick William Brookes, Sunday, June 22, the man most intimately connected with the early flower trade of Chicago, passed away. Mr. Brookes died at his home in Morton Grove at the ripe age of 86 years. He had been a resident of Chicago and vicinity since 1833. He was born in England in 1827 and came to New York in 1832. A year later, when he was seven, he made the trip to Chicago with his parents by ox team, the trip consuming a period of 35 days. For a time in his early manhood he worked as a printer and was also in the cattle business, later entering the feed and flour trade.

His father was the late Samuel Brookes, who had been an old-time English gardener, and who owned an extensive place in London before coming to America. The elder Mr. Brookes expected to settle in Canada, but soon after landing came to the United States. About 1845 Samuel Brookes built Chicago's first commercial greenhouse, a lean-to structure, 14x50 feet, located at 100 Adams street. It had an outside door but was also entered through a window from the house with which it was connected. It was considered a big house at the time and was used principally for the growing of azaleas, camellias and other pot plants. Later the elder Mr. Brookes moved to Thirty-ninth street and Lake avenue. Frederick W. Brookes was associated with his father in this venture after 1859 and after 1875, when the parent died, he managed the business himself until 1893, when he retired.

Mr. Brookes remembered the early days of Chicago and liked to recall the past. He knew Edgar Sanders, John Goode, J. T. Anthony, W. G. Newill, Geo. Wittbold, Dr. John Kennicott and other pioneer florists. In 1860 he moved to 4525 Lake avenue into "Old Tibbits orchard," where he remained until his retirement. After giving up business he moved to Morton Grove, where he took a horticulturist's keen delight in his private garden. Mr. Brookes is survived by three sons. The funeral was held Monday afternoon, June 23, from the residence, interment at Oakwoods cemetery.

John H. Newhall.

John Howard Newhall, head of the Aurora Greenhouse Co., of Aurora, Ill., died June 14 as a result of heart trouble. He had been ill for a long time. Mr. Newhall was born in Sturgis, Mich., in 1850, but had been a resident of Aurora since 1887. He established the company of which he was the head about 10 years ago. He was a prominent Knight Templar, and highly respected by all who knew him. He is survived by his wife and two grown children, a son and daughter.

John Sline.

John Sline, a retired nurseryman of Geneva, N. Y., died June 13 after a ten days' illness of pneumonia. He had been a resident of Geneva for nearly half a century but had not engaged actively in the nursery business for almost 18 years. He leaves three sons and two daughters.

MADISON, Wis.—Mallory & Brown have disposed of their business here to L. L. May & Co. (Inc.), of St. Paul, Minn. Mr. Mallory will leave shortly for Western Canada.

Massachusetts Horticultural Society.

Prizes and gratuities awarded at the rose and strawberry exhibition of the Massachusetts Horticultural Society, June 21 and 22, 1913, were as follows:

AWARDS FOR FLOWERS.

Theodore Lyman fund, No. 2, hardy roses, collection, named, not less than 20 varieties.—W. J. Clemson, first; H. E. Converse, second; Thos. N. Cook, third. John C. Chaffin fund (for amateurs only), best three blooms of any white hybrid perpetual rose.—Boston Consumptives hospital, first; Robert Seaver, second. Best three blooms of any pink hybrid perpetual rose.—Robert Seaver, first; Robert Seaver, second; Mrs. R. Goodnough, third. Best three blooms any red hybrid perpetual rose.—Boston Consumptives' hospital, first; Robert Seaver, second; Robert



The Late F. W. Brookes.

Seaver, third. Basket of hybrid perpetual roses, artistically arranged.—Robert Seaver, first.

Hybrid perpetual roses, 12 named varieties, three blooms of each.—W. J. Clemson, first; Col. Frederick Mason, second. Six named varieties, three of each.—Robert Seaver, first; Robert Seaver, second; Thos. N. Cook, third. Twelve varieties, one of each.—Duncan Finlayson, first. Six named varieties, one of each.—Boston Consumptives' Hospital, first; Duncan Finlayson, second; Thos. N. Cook, third. Hybrid tea roses, collection of 12 varieties, three blooms of each.—James Werner, gardener to Albert Geiger, Jr., first; H. E. Converse, second. Best three blooms of a hybrid tea variety introduced since 1908.—Thos. N. Cook, first; Thos. N. Cook, second; Robert Seaver, third. Six blooms, any white variety.—A. W. Preston, first. Six blooms, any yellow variety.—A. W. Preston, first. Six blooms, any pink variety.—A. W. Preston, first; Mrs. J. L. Gardner, second; A. W. Preston, third. Six blooms, any red variety.—Robert Seaver, first; A. W. Preston, second; Thos. N. Cook, third. Basket, artistically arranged.—Robert Seaver, first; Robert Seaver, second. General display, 100 bottles of hardy roses, named.—W. J. Clemson, first; Mrs. Frederick Ayer, second; Col. Frederick Mason, third. For the most artistic decoration of roses with

foliage, to fill space not exceeding 50 square feet.—Duncan Finlayson, first. Best decoration of roses for table of eight covers.—Mrs. Gustav Peterson, first. Sweet williams, 18 vases of three trusses each, not less than six varieties.—Mrs. J. L. Gardner, first; A. W. Preston, second. Hardy herbaceous flowers, 25 vases, distinct species and varieties, for private growers only.—Duncan Finlayson, first; Walter Hunnewell, second. Best display.—M. P. Handler, first, silver medal; Eastern Nurseries, second, bronze medal. Campanula medium, collection filling 12 vases, one color in a vase.—Mrs. Frederick Ayer, first; Mrs. Frederick Ayer, second.

GRATUITIES.

Mrs. Frederick Ayer, display of roses; Mrs. E. M. Gill, display of hardy roses; Duncan Finlayson, display of roses; E. J. Shaylor, collection of peonies; Mrs. C. G. Weld, two vases of peonies; Breck, Robinson Co., display of peonies; A. W. Page, display of seedling peonies; T. C. Thurlow's Sons Co., display of named peonies; Harvard Botanic Garden, display of aquatics; Mrs. N. B. Cutter, sweet williams; Harvard Botanic Garden, display of fuchsias in pots; E. B. Dane, display of cut orchids; F. J. Dolansky, display of orchids in pots; J. T. Butterworth, display of orchids in pots; E. B. Dane, display of Gladiolus Colvillei hybrids; Wm. Sim, display of sweet peas; Mt. Desert Nurseries, display of hardy herbaceous flowers and flowering shrubs.

SILVER MEDALS.

Bayard Thayer, display of new Philadelphia hybrids and seedlings.

FIRST CLASS CERTIFICATE OF MERIT.

E. B. Dane, Dendrobium Sanderæ; Walter Hunnewell, Laelio-Cattleya Rex.

HONORABLE MENTION.

Mrs. James Farquhar, display of hybrid tea roses; Eastern Nurseries, display of seedling hybrid, climbing, and other roses; Mrs. H. E. Dolbeare, collection of rambler roses; R. & J. Farquhar & Co., display of foxgloves; R. & J. Farquhar & Co., display of seedling roses.

Vote of thanks awarded Walter Hunnewell for marguerite Mrs. Sander.

AWARDS FOR VEGETABLES.

Theodore Lyman fund No. 2: Beets, 12, open culture.—Col. Frederick Mason, first, W. J. Clemson, second. Cabbages, four specimens, W. Heustis & Son, first; W. Heustis & Son, second. Cucumbers, four specimens.—W. J. Clemson, first; J. C. Collidge, second. Lettuce, four heads.—Walter Hunnewell, first; Oliver Ames, second. Peas, Gradus or Thomas Laxton, 50 pods.—F. W. Sargent, first; Walter Hunnewell, second. Sutton's Excelsior, 50 pods.—Col. Frederick Mason, first; Walter Hunnewell, second. Any other variety, 50 pods.—Walter Hunnewell, first; Col. Frederick Mason, second. Collection, not less than three varieties, 50 pods each.—Walter Hunnewell, first; Mrs. A. A. Warburton, second. Collection of vegetables, not less than six varieties, tastefully arranged.—W. J. Clemson, first; Oliver Ames, second; W. Heustis & Son, third.

GRATUITIES.

Edward Lynch, rhubarb; W. J. Clemson, tomatoes; A. W. Preston, tomatoes; Mrs. A. A. Warburton, collection of vegetables.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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SUBSCRIBERS should renew promptly to insure regular delivery of the paper. The yellow address label on the paper shows date of expiration.

THE Chicago Association of Commerce is now experimenting with flower boxes in the adornment of the city trolley poles. The boxes already in place are about 20 feet above the sidewalk. We now use flowers in decorating interstate trains, and it is hardly unreasonable to expect their trial on street cars and taxicabs in the near future. It seems to us, however, that a better direction of these efforts would be toward the improvement of garden lots and porch and window embellishment.

Personal.

The Maryland Agricultural College, at its commencement exercises June 18, conferred on Richard Vincent, Jr., White Marsh, Md., ex-president of the Society of American Florists, honorary degree for his achievements in horticulture and floriculture.

Independence Flowers.

President French of the Chicago Florists' Club made an excellent suggestion in writing to the Sane Fourth Association of that city recently as follows:

"The Sane Fourth Association deserves great praise for the wonderful good it has accomplished by getting so many people away from their former methods of celebrating the Fourth, which always caused such an awful loss of life and limb, saying nothing of the immense property losses. Thousands of people appreciate these efforts—everyone should appreciate them, and doubtless will in the near future. I believe that this good work could be greatly facilitated by appealing to the sentiment of the people, asking them to show their patriotism, to show the love they have for their country by wearing a flower on their nation's birthday, and boost for a sane Fourth of July celebration.

"Every holiday, I believe, with the exception of Labor day and the Fourth of July, is more or less closely associated with the use of flowers or plants. The Fourth of July is one of the greatest of our holidays, and one when all Americans with a drop of liberty-loving blood in their veins should show their patriotism by wearing a flower in honor of their nation's birthday.

"At this season of the year flowers are most abundant and the prices are the lowest, this enabling everyone who so desires to wear a posy."

Now let the rosarians give us a summer blooming red rose worthy of the occasion and call it America, and the carnationists can follow with one of their favorites, red and white, variegated or otherwise, named Independence, to be at its best for this holiday. The ideal flower perhaps for Independence day is the sweet pea, which comes nearest affording the national colors of red, white and blue in its blooms, and is usually to be had in abundance in a large section of the country at this date.

He Deserves the Best.

It is grateful to know that the florists of the country are to raise a fund for a monument in memory of the late William Robertson Smith, who for upward of half a century was the superintendent of the Government's botanical gardens in Washington. The only regrettable thing is that this fine old gardener and botanist did not leave a suggestion as to the form a memorial for him should take. In his modesty it is probable that he never thought that those who lived after him might wish to do his life and his work honor.

There never was a gardener, if Adam be excepted, who was not a gentleman. Fine instincts flourish with the flowers. William Robertson Smith once told the Congress of the United States that a tree was a finer monument to any man, no matter what his achievement, than anything which could be builded of bronze or stone. He made a loyal, consistent fight for the principle in which he believed and, an underling of the Government, he was unafraid in the face of power.

At the east end of the botanical garden in Washington there is a partly completed monument to General Ulysses S. Grant. The work upon it has been going along slowly and no one knows when it will be finished. The site for the memorial was chosen

by Congress against the earnest protest of William Robertson Smith, who succeeded in winning many of the members to his view of the case. He lost his cause eventually, but his protest has had its effect in Washington, and when the Fine Arts Commission authorizes the erection of other monuments it will take due care that no natural beauty is sacrificed.

There were too great elm trees of a century's growth standing where the half-completed Grant monument stands today. The botanical gardens site was chosen for the memorial to the great soldier, and its erection there necessitated the sacrifice of the beautiful commanding trees. The gardener fought to save the trees, saying that they were finer than anything which man could construct. He was overruled and the trees were destroyed, but the lesson of his struggle lasts.—Chicago Post.

National Association of Gardeners.

Owing to the change of date of the annual show of the American Sweet Pea Society, which will be held in Boston, Mass., on July 12-13, the summer meeting of the National Association of Gardeners has been postponed from July 5 to July 12, and will be held in Horticultural Hall on that day at 2 o'clock. A meeting of trustees and directors of the association will take place at 1:30 o'clock.

Members attending the meeting going by way of New York, will leave over the outside line of the Metropolitan Steamship Company, Pier 19, North river, at five o'clock on Friday, July 11. This is the all water route direct to Boston. M. C. EBEL, Sec'y.

Philippine Experiment Stations.

The Bureau of Agriculture has fully developed its plans to establish experiment farm stations throughout the provinces of the Philippines. Carrying out this plan on a larger scale was made possible by an appropriation of \$75,000 by the last legislature. The bureau has cabled to the United States for 12 inspectors, who will be put in charge of the demonstration stations.

Meetings Next Week.

Albany, N. Y., July 3, 8 p. m.—Albany Florists' Club, 76 Malden Lane.
Buffalo, N. Y., July 1, 8 p. m.—Buffalo Florists' Club, 385-387 Ellicott street.
Dayton, O., July 3, 8 p. m.—Dayton Florists' Club, 37 E. Fifth street.
Fall River, Mass., July 1, 8 p. m.—Fall River Florists and Gardeners' Association, John R. Pee, secretary, 64 Berdsley street.
Indianapolis, Ind., July 1, 7:30 p. m.—State Florists' Association of Indiana, State House.
Lake Geneva, Wis., July 5, 8 p. m.—Lake Geneva Gardeners and Foremen's Association, Horticultural Hall.
Lenox, Mass., July 5.—Lenox Horticultural Society, Geo. H. Instone, secretary.
Los Angeles, Calif., July 1.—Los Angeles County Horticultural Society, Henry W. Kruckeberg, secretary.
Milwaukee, Wis., July 3, 8 p. m.—Milwaukee Florists' Club, Quiet House, 86 Main street.
Minneapolis, Minn., July 1.—Minneapolis Florists' Club, 218 N. 5th street.
New Orleans, La., July 2, 8 p. m.—German Gardeners' Club, 624 Common street.
Newport, R. I., July 2.—Newport Horticultural Society, P. F. Reynolds, secretary, Rugles avenue.
Philadelphia, Pa., July 1, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce.
Pittsburg, Pa., July 1, 8 p. m.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt Hotel, Tenth street and Penn avenue.
Salt Lake City, Utah, July 1.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.
San Francisco, Cal., July 5.—Pacific Coast Horticultural Society, L. F. Taylor, secretary, 2735 Golden Gate avenue.
Seattle, Wash., July 1.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.
Tacoma, Wash., July 3.—Tacoma Florists' Association, Maccabee Hall.
Utica, N. Y., July 3, 8 p. m.—Utica Florists' Club, Genesee Hall, Oneida Square.
Washington, D. C., July 3, 8 p. m.—Florists' Club of Washington, 1214 F street N. W.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—As saleslady and designer in a Chicago retail store. State salary and hours when writing. Address
Key 834, care American Florist.

Situation Wanted—Man fully experienced in all lines of outdoor and indoor gardening is open to engagement where high grade gardener is needed. Address,
Key 835, care American Florist.

Situation Wanted—By Gardener, on commercial or private place; 12 years' experience in growing all kinds of cut flowers, plants under glass, vegetables, care of lawns. Age 26. Address,
Key 852, care American Florist.

Situation Wanted—By Englishman, 14 years experience in all branches, seven in America. Well versed in orchids, roses, fruit culture under glass, and all kinds of cut flowers, lawns, etc. Age, 29. Key 833, care American Florist.

Situation Wanted—In private place. 18 years experience in flowers, vegetables, care of lawns, well up in all branches. Can speak English, German and Swedish; age 32 years. Married, no children. Address,
Key 851, care American Florist.

Situation Wanted—Young business man of refinement who has failed in his own business, wishes to meet widow who owns large store. Desires position as designer of floral pieces for funerals. 30 years old. Address,
Key 850, care American Florist.

Situation Wanted—As Gardener on commercial or private place. German, age 38, married, with small family. 22 years experience in all branches of gardening and florist work. Good landscape gardener. Can furnish best references.
Key 854, care American Florist.

Situation Wanted—By gardener; Scotch; as head in private place; experienced in all branches of gardening, inside and out. Over 20 years in large establishments growing all kinds of greenhouse plants and vegetables. Also care of lawns and landscape work. Age 37; married; no family.
ARCH LITTLEJOHN, 39 Temple St.,
Somerville, Mass.

Help Wanted—Two good American Beauty growers; state wages. Address,
Key 853, care American Florist.

Help Wanted—A good plant man, must understand the growing of all kinds of pot plants; good reference necessary. Address,
Key 845, care American Florist.

Help Wanted—A Rose Grower, \$75.00 per month. Married man preferred.
HESS & SWOBODA,
1415 Farnum St., Omaha, Neb.

Help Wanted—Gardener, man with experience and ability to manage my twenty acre country estate. References required. Address,
THEO. F. THIEME, Fort Wayne, Indiana.

Help Wanted—Two bright young men—Carnation Growers—who have had charge of growing sections. State wages, etc. Address,
Key 832, care American Florist.

Help Wanted—A-1 Rose Grower, must be sober and reliable. German married man preferred, familiar with growing in the East. Address,
Key 857, care American Florist.

Help Wanted—A good Chrysanthemum grower and Plantsman; single preferred. Good wages and steady position if he makes good.
METAIRIE RIDGE NURSERY CO., Ltd.,
New Orleans, La.

For Rent—Good paying florist store; greenhouse in connection. Address,
ED. PALMER, 3435 W. Chicago av., Chicago, Ill.

For Sale—Several ice-boxes at a reasonable figure. Address Key 838, care American Florist.

For Sale—3 houses about 7,500 feet of glass; 4 acres; dwelling and barn; 20 miles from New York City; 2 minutes to station. Address,
CHAS. MILLANG, 55 W. 26th st., New York.

For Sale or Rent—Greenhouses, 110,000 square feet of glass, consisting of three sections, in Chicago. Address,
Key 840, care American Florist.

For Sale—Good paying retail store in Chicago. Fine location. Other business to look after reason for selling. For further particulars address
Key 837, care American Florist.

For Sale Cheap—Two horizontal return tubular boilers, one 50 h. p., one 40 h. p., suitable for greenhouse or heating plant. Write for full description and price.
W. H. BARRETT, Adrian, Mich.

For Sale—Dandy second hand ice-box for \$175. Just the box for an up-to-date Chicago retail store. Biggest offer ever made, so get busy and answer this Ad now.
Key 839, care American Florist.

For Sale—Old established retail florist business on a leading avenue of New York City. Good reasons for selling. Terms reasonable.
A. F. F., care American Florist,
124 E. 24th Street, New York.

For Sale or Rent—Greenhouse, 10,000 sq. ft. of glass; modern Concrete, Iron and Wood construction, double strength glass, steam heated, electric lights, city water, built in 1909. Best condition. Population, 14,000; location, Oklahoma. Price right. Address,
D. B. N., Box 82, Clarion, Iowa.

For Sale Cheap—To be removed by Oct. 1st. Between 5,000 and 6,000 feet of glass; about 2,000 feet 4-in. cast iron pipe; two nearly new sectional boilers; water-piping; windmill; 100 bbl. tank and other property, including stock. Near Chicago. Good chance for party building a moderate plant to pick up a lot of material cheap.
Key 844, care American Florist.

For Sale—Here is an opportunity in the "Far West" where there is no hay fever, floods or cyclones: A well established and paying floral business, in a city of 12,500, controlling the select trade of the city and surrounding country, with another store 80 miles away in a town of 4500, which is the only store in the town. The plant consists of two stores, three greenhouses 16x125 each, one lean-to 9x125 (all attached), hotbeds and sash, 35 H. P. T. boiler, four room dwelling, large boiler room and potting shed, complete pumping plant, automobile, 3 3-10 acres land; everything first-class and in first-class condition. We sell more than we can produce. This is an opportunity to get into the business in a new and fast growing country. Books are open for inspection. Reasons for selling will be given. Address,
Key 840, care American Florist.

Help Wanted.

Gardener, to run a small greenhouse plant singlehanded; must be a responsible party. Wages, \$75.00 and house.
A. Klokner, Wauwatosa, Wis.

Storeman.

An A-1 man is open for engagement. Chicago preferred. For further particulars, address
Key 858, care American Florist.

FLORIST OR GARDENER

Firm in the general nursery and greenhouse plant business has vacancy for young man, well informed on trees, shrubs, herbaceous perennials and general greenhouse stock, to handle a section of the correspondence in these lines. State age, practical experience in above lines and wages. Address,
Key 855, care American Florist.

WANTED

A Carnation Grower for large modern range near New York City; must be able to produce flowers of the very highest quality; have ability to handle a staff of men and run the place in an up-to-date manner. Salary is one of the largest in the east and the place offers exceptional opportunities for the right man. Applicants must furnish the best of references which will be treated confidentially. Interview can be arranged if necessary. Address,
Key 848, care American Florist.

SALESMEN WANTED.

Two good openings for aggressive men open for engagement July first. State fully, experience and salary wanted. Application will be kept strictly confidential.

Northrup, King & Co., Seedsmen,
Minneapolis, Minn.

Flower Colors

Use our Color Chart in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn Street

CHICAGO

Offer Them Now

ALL SPECIALTIES

CHRYSANTHEMUMS,
ROSES, LILIES,
BOSTON FERNS,
PALMS, BEGONIAS

FOR FILLING EMPTY BENCHES

EASTER LILIES.

Fine Lot Very Cheap.

Write Us for Prices.

Beauties and Roses.

Yellow Roses Our Specialty

Carnations.

We offer Pink and White Carnations at \$10.00 per thousand in lots of 500 or more and Roses assorted, \$20.00 per thousand in lots of 500 or more.

BASSETT & WASHBURN

LONG DISTANCE PHONES,
CENTRAL 1457.
AUTO., 47-314.

OFFICE AND SALESROOM,
131 N. Wabash Ave., CHICAGO, ILL.

Chicago.

TRADE A TRIFLE BETTER.

Trade has shown a slight improvement this week but there is still a great oversupply of stock. The receipts of American Beauty roses are much smaller and prices consequently have advanced a little. The flowers from the young plants are also bringing better prices and clean up well. Carnations are still seen in large quantities everywhere but the good stock has advanced slightly in price. The quality at this season is better than it has ever been before and some very choice stock is obtainable. White roses are very scarce and some of the dealers are experiencing trouble in filling all their orders. The supply of other roses is very large, especially Killarney and Richmond which are to be had in nearly all the stores in large quantities. Good peonies are selling at good figures, but there is a great oversupply of inferior stock that is being sacrificed at low prices. Orchids are also very plentiful and can be seen featured in the windows of nearly all the downtown stores. Lily of the valley is in good supply and the same can be said of gladioli, of which some fine flowers are now arriving. The indoor sweet peas have seen their best days but some good outdoor flowers are now to be had. Lilies are as plentiful as ever and field daisies and other outdoor flowers are as plentiful as in former years. Pond lilies are now offered freely and the supply of home grown gardenias is equal to the demand. In another week the market is very likely to be in a different condition when roses and carnations will probably not be as plentiful as they are now. Employees are now leaving on their vacation and everyone seems to be well pleased that

the stores will close at 5 p. m. during the next three months.

NOTES.

Louis Wittbold says that the Geo. Wittbold Co. has had an unusually good season in the wholesale department and has sold out pretty well in all lines with the exception of a few odd lots of stock here and there. Mr. Wittbold and C. B. Knickman visited the Dundee Nurseries one day last week, making the trip by automobile. They lost their way on the return trip and it was nearly 11 p. m. before they finally reached Buckingham place.

H. A. Fischer, of Kalamazoo, Mich., was here on business this week. Mr. Fischer will turn over his store next Saturday, June 28, to the women of that city who sell carnations on that day for the benefit of a worthy cause. Ex-Senator Burrow's wife is at the head of the movement and will be assisted by 300 other ladies who will endeavor to dispose of the 35,000 carnations that the H. A. Fischer Co. has secured for them.

Mangel, the Palmer House florist, has received the contract to arrange the decorations for the fiftieth anniversary of the First National Bank on South Dearborn street for July 4. It is understood that the decorations on both the interior and exterior of the building will be very elaborate, and is one of the largest orders that Mangel has ever been called upon to fill.

The Williams Flower Shop, under the able management of Fred Strail, is enjoying a fine season, trade being very good with a big run on funeral work.

Zech & Mann have added another rose grower to their already large list of consignors.

Miss M. C. Gunterberg is now receiving regular shipments of choice peonies.

H. VAN Gelder

L. M. JONES

PERCY JONES
INC.

WHOLESALE COMMISSION FLORISTS

56 East Randolph Street
CHICAGO

THIS WEEK ONLY.

- 1000 best plain cards.....\$0.65
- 2-lb. box Green Thread, 16 spools, very best 1 50
- 5 1-lb. boxes Green Sea Island for..... 1.50
- 100 boxes Plain Toothpicks.. 2.00
- 10,000 Best Wired Toothpicks 1.50
- 25% Discount on Florists Pins.

If any item we ship is not entirely to your satisfaction, return it upon receipt and we will gladly pay return charges and ask no questions. Merely say you cannot use it.

Watch This Column Every Week.

YOU LOSE MONEY

When you buy without writing us for prices

Mention the American Florist when writing

James Cochrane is suffering from blood poison, the index finger of the right hand being affected.

Frank Potocka, of the J. B. Deamud Co., passed his twenty-ninth milestone on June 24.

Poehlmann Bros. Co.

72-74 E. Randolph St. Long Distance Phone Randolph 35 CHICAGO, ILL.

CATTLEYAS==GIGAS and GASKELLIANA==CATTLEYAS

Best and largest supply in the market.

Easter Lilies--Fine Long Stems

We are offering them at a very low price to move a surplus.

Roses

Good short assortment. Cheap in large lots of 500 and up.

Carnations

By far the best in the market. Still offering them cheap in 1000 lots.

We Issue a Weekly Price List. If you are not receiving it send us your address; will place it on our mailing list; if any change in address please advise.

Valley

Extra fine quality. Always best. Always on hand.

Am. Beauties

Long fancy. Good supply. Quality the very best.

NOTICE.—No Mail delivered after 1 o'clock on Saturdays during the summer. Wire orders for Saturday and Sunday shipment. Our store closes 5 p. m. during July, August and September, Sundays at noon.

Smilax, Galax, Sprengeri, Plumosus

SUPPLY DEPARTMENT

Our Catalogue will be ready for mailing about July 15th, **WAIT FOR IT** before placing your fall order elsewhere. In the meantime if you want wire designs our Discount will be 35 per cent for orders taken during July. On Wheat Sheaves, we shall allow 15 per cent during this month.

Greenhouse Paint

Liquid Putty

Greenhouse Putty

Glazing Points and Brads

Greenhouse Hose

Daylight Cleaner

A Postal Will Bring Our Catalogue To You. Write Now.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

BEAUTIES--ROSES--CARNATIONS

Buy from us and get the best stock in the market at the most reasonable prices.

CURRENT PRICE LIST—Subject to change without notice.

American Beauties

Per Dozen	Per Dozen
60-in. stems.....\$3 00	24-in. stems.....\$1 50
48-in. stems.....2 50	16-in. stems.....1 25
36-in. stems.....2 25	12-in. stems.....1 00
30-in. stems.....2 00	

Killarney.

Per 100	Per 100
Extra special.....\$ 7.00	Medium.....\$4 00
Selects.....6.00	Good.....3.00
Fancy.....5.00	Short stems.....2.00

Richmond.

Per 100	Per 100
Extra special.....\$7.00	Medium.....\$4.00
Selects.....6.00	Good.....3.00
Fancy.....5.00	Short stems.....2.00

My Maryland.

Per 100
Extra special.....\$ 7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

White Killarney.

Per 100
Extra special.....\$ 7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Sunburst

Per 100
Extra special.....\$10.00
Fancy.....8.00
Good.....6.00

Roses, our selection - - - \$3.00

Carnations.

Special.....	\$2 50
Good.....	\$1.50 to 2.00
HARRISII.....	\$12 50 to 15.00
FERNs, per 1000.....	\$3.00
NEW FERNs, per 1000.....	2.00
SMILAX, per doz.....	\$2.00 to 2.50
ADIANTUM, per 100.....	1.00
GALAX, per 1000.....	1.00
SPRENGERI, per bunch.....	.50
ASPARAGUS SPRAYS, per bunch.....	.50

The greatly extended use of bay and box trees, also window boxes, in the downtown district this season has improved the appearance of the city considerably and caused much favorable comment. The trade will do well to help in this movement where possible and lead the way by the tasteful embellishment of their own establishments.

F. Simons, manager of Percy Jones' cut flower department, is sending in a number of supply orders while he is supposed to be enjoying his vacation, and judging from the number of boxes that are being shipped out, one would be inclined to think that he is devoting all of his time to business instead of pleasure.

Al. Fischer and Lillian M. Ellis were married in Kretlow's hall on June 25, the Reverend John officiating. Mr. Fischer is one of the most popular florists on the north side and is the bowler that carried off nearly all the big honors in the C. C. F. league this season.

A. L. Vaughan of A. L. Vaughan & Co. believes that if some of the growers would throw out about one-third of their carnations about April 1 and plant early asters they would better the market considerably and find it much more profitable besides.

O. Johnson of the Batavia Greenhouse Co. says that peonies were a nuisance this year and that if he made enough money from the sale of his crop to pay expenses for the care of the plants, etc., he would be well satisfied.

H. C. Blewitt, the well known sweet pea specialist of Des Plaines, says that this was the best season that he has ever had and that the new house which he built last year has proved to be very suitable for growing these flowers.

L. Leveson, proprietor of the Palace Floral Co., has booked a large wedding order for June 29. His store is one of the oldest stands in the city and is the same place where one of the largest retailers who is now located in the loop got his start.

John Michelsen of the E. C. Amling Co. says that he has never seen the market in such an unsatisfactory condition as it was last week and that he has never before known the carnations to do so well at this season.

D. E. Freres is recovering from a serious case of blood-poisoning which has been bothering him considerably of late. Dick Rolston has been helping him out at the store for several weeks.

Robt. Northam, George Reinberg's efficient storeman, will leave next week to accompany his niece to Iron River, Mich., and to catch trout in the streams of the Wolverine country.

Joseph Ziska sold his large refrigerator which he used when he was in the wholesale cut-flower business to the Geo. Wittbold Co. for use at their Edgebrook establishment.

The Misses Walker and Nagel, of the Geo. Wittbold Co., accompanied by O. Strobeck, who acted as chaperon, have returned from a delightful visit at South Haven, Mich.

The obituary of the late Frederick William Brookes, who died recently at his home in Morton Grove at the ripe age of 86, will be found elsewhere in this issue.

Wm. Graff, with O. J. Friedman and Aug. Dressell, with Sam Pearce, left June 22 for a few weeks' fishing trip on the Grand river near Grand Haven, Mich.

Frank Ayres, Chas. W. McKellar's popular storeman, and wife, will leave next week on an extended boat trip on the northern lakes.

A Vacation for Everybody.

The Wabash has issued an attractive summer tour book with the above title, in which you will find the kind of information you want. Write for a copy. It is free. F. H. TRISTRAM, Asst. Gen'l Passenger Agent, 68 W. Adams, Chicago.

The J. B. Deamud Co. is receiving a large supply of water lilies in addition to its usual good line of other seasonable stock.

John Poehlmann, Jr., who is attending the Culver Military Academy at Culver, Ind., has returned home on his summer vacation.

Mrs. W. S. Deamud of Bay City, Mich., visited friends and relatives here for several days this week, returning home on June 21.

A. Currie and wife of Milwaukee, Wis., visited Poehlmann Bros. Co.'s greenhouse at Morton Grove on June 19.

Adam Zender says that his business this season has shown a great increase over the past five years.

The E. F. Winterson Co. is repainting the interior of its wholesale cut-flower department.

Miss Helen Zender is visiting with her sister, Mrs. Robt. Windler, at St. Louis, Mo.

Al. Lehman, of the E. C. Amling Co., leaves on June 28 for a two weeks' vacation.

Mrs. Fred Ottenbacher will undergo an operation at the Union Hospital this week.

Chas. Brown is now representing the American Importing Co. in this city.

Mrs. Frederick Timme of Irving Park is reported to be seriously ill.

PETER REINBERG

Long Distance Phone Central 2846.

30 East Randolph St., CHICAGO.

Beauties = Roses = Carnations

Send Your Orders Direct to the Grower and They Will Be Taken Care of.

Current Price List

AMERICAN BEAUTIES

	Per doz.
36 inch stems	3 00
30 inch stems	2 00
24 inch stems	1 50
20 inch stems	1 25
15 inch stems	1 00
12 inch stems	\$6 00 per 100
Short Beauties	4 00 per 100

	Per 100
Richmond	
Killarney	Select
White Killarney	Medium
My Maryland	Short

	Per 100
Mrs. Aaron Ward	
Medium	\$8 00
Short	\$4 00 to 6 00
Roses , our selection	3 00
Carnations , all good	1 50 to 2 00
Carnations , fancy	2 50
Harrisii	per doz. \$1 50 to \$2 00
Valley	3 00 to 4 00
Smilax	per doz. \$2 00
Peonies	6 00 to 8 00
Adiantum	1 00
Asparagus , per bunch	50c
Ferns , per 1,000	\$2 00

A. C. Kohlbrand called on all the local wholesale florists this week in the interests of the employes on the market asking them to sign a petition favoring 5 o'clock closing during the months of July, August and September. Those who signed are: Bassett & Washburn, Percy Jones, Poehlmann Bros. Co., Wietor Bros., Peter Reinberg, A. L. Vaughan & Co., The Chicago Flower Growers' Association, Erne & Klingel, J. A. Budlong, Chicago Carnation Co., Weiland & Risch, Dominick E. Freres, J. B. Deamud Co., A. L. Randall Co., Chas. W. McKellar, Kennicott Bros. Co., John Kruchten, Hoerber Bros., Kyle & Foerster, Zech & Mann, Batavia Greenhouse Co., E. C. Amling Co., H. Wittbold, Joseph Ziska, M. C. Gunterberg, Sinner Bros. and the E. F. Winterson Co.

H. H. Wilkerson, of the H. Wittbold Co., has the sympathy of the trade in the loss of his mother, whose death occurred at Roodhouse Friday, June 20. The funeral was held the following Sunday at the First Methodist church of that city under the auspices of the Rebeccas, Rev. Cross officiating. Wm. Wadsworth, of the H. Wittbold Co., decorated the church and those who attended the services say that it was one of the most beautiful arrangements that they had ever seen. The floral offerings were many and beautiful and showed the esteem in which the late Mrs. Wilkerson was held.

N. J. Wietor, of Wietor Bros., said the other day at the store that he thought the Tribune building, where the Union Trust Co. is located, was the prettiest sight he has seen in the loop with its neatly arranged window boxes that appear on both sides of the building, on Dearborn and Madison streets. It looked so refreshing and beautiful he said that he was almost tempted to withdraw his ac-

count from the bank where he is now dealing and place it in the institution mentioned above.

Hoerber Bros. have completed the work on their large concrete stack which replaces the old one that was destroyed by the cyclone last March. Fred. Hoerber says the stack, like the greenhouse, was also insured, and that Florian D. Wallace, who carried the risk, settled everything very satisfactorily. Mr. Wallace is located in the Insurance Exchange building, and would be pleased to hear from all the growers in this vicinity who are interested in windstorm insurance.

C. G. Anderson, foreman of Poehlmann Bros. Co.'s plant department, says that his firm will have a large exhibit of plants at the next S. A. F. convention in Minneapolis, and that practically everything grown in this department will be shown. Guy French says that the average daily cut of carnations at this range so far during the month of June has been some 20,000 blooms.

The Chicago Flower Growers' Association is receiving a fine grade of outdoor sweet peas from C. V. Wolff, of Downers Grove. J. F. Kidwell, the manager of this association, has finally succeeded in gaining the C. B. & Q. railroad company's consent to put in a 600-foot switch for him at his firm's Downers Grove establishment at a cost of about \$1,400.

Jack Byers, A. T. Pyfer's right-hand man, at the Chicago Carnation Co.'s store, will leave next week for a visit at Saugatuck, Mich. He will meet R. L. Bohannon a little later at Muskegon, and then both of them will spend another week fishing in the Michigan waters.

Phil. Schupp, with J. A. Budlong, has returned from a business and

pleasure trip in the south. He spent June 19 and 20 in Dayton, O., and the two following days in Louisville, Ky. Mr. Schupp reports having had a delightful visit in both places.

Miss K. N. Cooper of the Auburn-dale Goldfish Co., 1449 Madison street, reports the arrival of a large shipment of goldfish of all sizes. This shipment includes a good number of small fish which have been somewhat scarce for a long time.

Tim Matchen says that Peter Reinberg is all through with his rose planting, and that he will soon be cutting from the young plants. He also reports a good demand for American Beauty from the young stock.

C. L. Washburn will leave next Sunday, June 22, for a visit with friends and relatives in California. Miss Horton, his efficient assistant, will have charge of the Bassett & Washburn store during his absence.

J. A. Mendel narrowly escaped death when the large terra cotta eagle fell from the Columbian Memorial building this week, and nearly crashed in the car in which he was riding at the time.

Mrs. Luke Collins will leave next week for Sidney, Nova Scotia, to visit her son, who is an electrical engineer for one of the large steel companies there.

Erne & Klingel report a good demand for "Elastic-Lyke" putty, which they handle as a side line to their wholesale cut flower business.

Mrs. A. T. Pyfer of Joliet is visiting with J. E. Matthewson and family at Sheboygan, Wis., this week.

Visitors: A. Currie and wife, Milwaukee, Wis.; Mrs. W. S. Deamud, Bay City, Mich.; H. A. Fischer, Kalamazoo, Mich.; W. W. Coles, Kokomo, Ind.; Charles Steidel, Olivette, Mo.

SUMMER FLOWERS

All the best seasonable stock in quantity.
Roses, Carnations, Peonies, Lilies, Gladioli,
Orchids, Sweet Peas and all kinds of Greens.

A. L. VAUGHAN & CO.,
(NOT INC.)
161 N. Wabash Ave., **CHICAGO**
TELEPHONES: { Central 2571
2572
Auto. 48-734

Frederictown, N. B.

The month of June we consider is the one month of the year we have to do business in cabbage, cauliflower, tomatoes and celery, also in garden flowers, window plants and annuals, so that in another week or so the best part of the business will be over. Of course, during July and after outdoor vegetables will be coming in. Weather conditions have been very unfavorable. During May and up to the present it has been generally too cold; unusually cool nights and prevailing dry winds seem to be a general thing. The May crop, which is a very important one here, will be far below the average. The demand for flowers for funerals was never so good. The rural population seem to appreciate flowers more than many of the so-called well to do of the city. Asters seem to be the popular annual here.

J. B.

Boston.

MARKET CLEANED UP.

The supply of stock was not heavy on June 23 and the market cleaned up fairly well. Orchids have been rather slow, though there was good stock on the market, 40 and 50 cents a flower being top prices. Good rose stock, such as special Killarney Queen and double White Killarney, have been selling up to \$16.00 a hundred for Queen and \$1.20 for double White. Inferior stock is slow and cheap. Considering the lateness of the carnation season there is good stock on the market. Peonies are about finished. Sweet peas, irises, snapdragons and lilies are plentiful.

There was another interesting show of flowers and fruit at Horticultural Hall June 21-22. In roses, both greenhouse and hardy stock was shown in variety. Mrs. J. M. L. Farquhar of Roslindale had a fine exhibit of roses from her private garden. Arthur Thatcher of the Mt. Desert Nurseries, Bar Harbor, Me., exhibited peonies and other stock. M. P. Haendler, Old Town Nurseries, South Natick, made an interesting exhibit of hardy and old-fashioned flowers.

A. F. F.

Cincinnati

SUMMER DULLNESS NEAR.

The market is gradually tending towards the summer apathy. The lines that have been factors throughout the first part of the year are gradually giving way to the summer flowers that are of better quality. The scorching hot weather of last week did more than anything to bring this about. Many growers are resting their stock while others are replanting. The result is that about half the receipts are good while the other half are more or less of a negligible quality.

In roses, My Maryland, Taft, and Kaiserin are easily the leaders as far as quality is concerned. The Bride are small while the average Killarney pops full open before you can scarcely realize it. Carnations, too, have been greatly affected. The supply of good ones is rather limited, but even at that they are easily sufficient for requirements. Gladioli have been proving good property. Lilies are in good supply but do not sell any too well. A limited amount of good outdoor sweet peas are coming in. Lily of the valley has been selling very well. The supply of green goods is fully adequate.

NOTES.

Mrs. O. Hetch of Leesburg, Fla., is spending the summer months at the home of her parents, Thos. Windram and wife, at Cold Springs, Ky.

J. T. Conger has finished planting all of his carnations and chrysanthemums. The latter have been in the ground for some time.

Both Julius Baer and G. Brunner's Sons have had large wedding decorations in the past fortnight.

C. E. Critchell has been getting some fine peonies from the north.

Visitors: R. E. Adgate, representing the McCallum Co., Pittsburgh, Pa.; A. Miller, representing A. Henderson & Co., Chicago; Herman Ullrich, Tiffin, O.

H.

St. Louis.

GOOD STOCK SCARCE.

The past week was uncomfortably hot, but a good rain on Sunday has cooled off everything considerably. Last week about closed June weddings and graduating exercises, although a few late ones will be held this week. There is plenty of stock on the market, especially in poor quality, and a decided scarcity in good stock. The new crop of fancy ferns is in. American Beauty roses have been very plentiful and the hot weather has caused them to open up quickly and in order to unload them they have to be sold very cheap.

NOTES.

The Lambert-Busch wedding, one of the largest of the season, took place Saturday. The decorations were very elaborate and were put up by Henri L. Duernberg, head designer and artist with Grimm & Gorly. Hundreds of American Beauty roses were used. The bridal bouquet was of white orchids and lily of the valley and the bridesmaids' of pink orchids.

J. W. Boerm, who has taken the store for many years occupied by Theodore Miller (who recently moved into his handsome new building) is a well known landscape gardener and designer. He will, in conjunction with his landscape work, now run a first class flower shop, catering to the very best trade.

Ostertag Bros. have an especially fine stock of bay trees and foliage plants. They have an immense display which can be seen from the street cars.

The Retail Florists' Association held a special meeting Monday, June 23, to appropriate for a donation to the Smith memorial at Washington, D. C.

The Windler Wholesale Floral Co. had some fine stock in roses, especially in White and Pink Killarney, also some good sweet peas.

Joe Ent, the Union Florist, is very proud of his aquarium, and it is very neatly arranged and is quite an ornament to the store.

W. F.

Cook County Florists' Association.

The regular monthly meeting of the Cook County Florists' Association was held at the Tavern last Thursday, June 19, President Kohlbrand presiding. Harry J. Lister was elected a member and the applications of Leonard Koehler and Gus Brostrom were read. Allie Zech reported that the baseball team was out for practice and that several games would be played soon. John Zech spoke of the annual picnic and was appointed chairman of the picnic committee and instructed to select the date and make the necessary arrangements. The bowling prizes were distributed and as usual Al. Fischer carried off nearly all the individual honors. He won the silver cup presented by the club and showed his appreciation by having it filled with choice wine and treating all the members present. Wm. Lorman was presented with a gift by the league members for acting as secretary during the past season, after which a light lunch was served. A. C. Rott and P. Peterson of Joliet were visitors. The following is a list of the prize winning bowlers:

Al. Fischer	1st Prize	\$12.00
Wm. Wolf	2d Prize	10.00
F. Price	3d Prize	8.00
A. Zech	4th Prize	7.00
Frostrom	5th Prize	6.00
F. Ayres	6th Prize	5.00
J. Byers	7th Prize	4.00
J. Huebner	8th Prize	3.00
Wm. Graff	9th Prize	2.00
J. Zech	10th Prize	1.00

Al. Fischer, individual champion, silver cup donated by the society.

Al. Fischer, high individual score, \$5.00.

Frank Ayres, high average three games, \$5.00.

Al. Fischer, high single score, watch fob donated by the A. L. Randall Co.

Frank Ayres, high three games average, fountain pen donated by the Chicago Carnation Co. Team prize Roses, first prize, \$25.00; Orchids, second prize, \$15.00; Violets, third prize, \$10.00; Carnations, fourth prize, \$5.00.

Roses, high team game, \$5.00.

Violets, high team average, \$5.00.

Six high average men, Al. Fischer, Wm. Wolf, F. Price, A. Zech, Brostrom and Frank Ayres, six umbrellas donated by Zech & Mann.

High average man of each team, Al. Fischer, A. Zech, Brostrom and Wm. Wolf, stick pin donated by John Michelsen.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone

Randolph 5449 176 N. Michigan Ave.

Chicago

In Quantity:

PEONIES ROSES Carnations Sweet Peas

And everything else seasonable
in Cut Flowers and Greens.

Current Price List. Subject to change without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$2.00	1.50
Killarney.....per 100	8.00	6.00	5.00	4.00	3.00
White Killarney.....	8.00	6.00	5.00	4.00	3.00
My Maryland.....	8.00	6.00	5.00	4.00	3.00
Richmonds.....	8.00	6.00	5.00	4.00	3.00
Mrs. Aaron Ward.....	8.00	6.00	5.00	.....	.....
Sunburst.....	8.00	6.00	5.00	.....	.....
Carnations.....	3.00	2.00	1.50	.....	.....
Lily of the Valley.....	4.00	3.00	.....	.....	.....
Peonies.....	6.00	5.00	4.00	.....	.....
Sweet Peas.....	1.50	1.00	.75	.....	.....
Easter Lilies.....	12.50	10.00	.....	.....	.....
Daisies.....	1.50	1.00	.....	.....	.....
Asparagus Plumosus Sprays..	4.00	3.00	2.00	.....	.....
Asparagus Sprengel Sprays..	3.00	2.00	.....	.....	.....
Smilax.....	16.00	12.50	.....	.....	.....
Galax, Green and Bronze.....per 1000	1.00	.....	.....	.....	.....
Ferns.....	3.00	2.50	.....	.....	.....
Boxwood.....bunch	.25	.....	.....	.....	.....
Adiantum.....per 100	1.00	.75	.....	.....	.....

Cleveland.

MARKET CONDITIONS BETTER.

The worst of the glut is now over. Peonies are no longer in the running, only those from storage being available, as all outdoor stock was about burned up by the intense heat, which made the red peonies especially scarce for graduation week. Roses are a little off crop just at present, both Kaiserin and Pink Killarney. American Beauty, however, are in good supply and the stock shows good form. The heat has left its mark on Killarney roses, many being affected with the mildew. The blooms also are much smaller. Carnations are still quite plentiful, but in a short time will be almost entirely off crop. Water lilies are arriving in quantity in all colors, red, pink, yellow and white. Outdoor sweet peas are arriving in good supply and are of excellent quality. Larkspur and Shasta daisies are used quite extensively for decorative purposes. Easter lilies are quite plentiful with only a fair demand. Some very fine lily of the valley is now on the market. Orchids are plentiful and the quality is good. They meet with a good demand. Coreopsis, larkspur, mignonette, bachelor's buttons, daisies, iris, canterbury bells, gladioli, digitalis (fox-glove), lupins, etc., are a part of the daily supply at the local wholesale houses. Candidum lilies are arriving daily, but nearly all are going into cold storage, to be used later.

NOTES.

Chris. B. Wilhelmy left for Detroit, Mich., Tuesday to superintend the floral decorations on the new steamer "Seandbee" when she made her maiden trip to Cleveland. About noon Thursday a wireless message was received from Mr. Wilhelmy, who was a passenger, ordering some special stock

which was to be used when the boat left Cleveland for Buffalo.

Miss Getz of Westman & Getz, 5923 Euclid avenue, left Tuesday, June 24, for a month's vacation in the west. Seattle, Wash., will be her destination, and all points of interest enroute will be visited.

An error in the report of the Cleveland peony show gave the name of Frank Smith as one of the judges. Instead it should have read Geo. W. Smith of the Cleveland Florists' Exchange.

J. A. Cowgill, Canton, and his brother, V. A. Cowgill, Salem, attended the F. A. M. convention, held here June 20-22.

Jos. Stern, the east side florist, is in Europe on business and also visiting friends. C. F. B.

Davenport, Ia.

BUSINESS SATISFACTORY.

Business the past week has been quite satisfactory for this time of the year. Several large weddings and many small ones, with numerous funerals, have kept most of the florists busy. Besides this they have been getting out stock plants, planting chrysanthemums, etc. Carnations, roses and other indoor stock are of poor quality owing to the extreme heat of the past two weeks. Outdoor roses, sweet peas, peonies and other flowers have been very fine this spring, and have found a ready sale. Everything considered, this has been a very satisfactory spring.

CLUB MEETING.

Theodore Ewoldt entertained the Tri-City Florists' Club at the June meeting, Thursday evening, June 19. Nearly every member was present. A supper was served early in the evening and the guests were entertained with music and singing, after which the

meeting was held on the green. President John Staack presiding. Mr. Ewoldt gave a talk on publicity and was followed by a general discussion. The picnic committee reported everything in readiness for the ninth annual picnic, to be held July 17 at the summer home of Wm. Knees on the beautiful Rock River. Indications are that a larger crowd than ever will attend. C. O. E. Boehm's committee on weather reported rain for that day and came near being mobbed. Rain or no rain there will be something doing when the day comes. Henry Gaethje, Sr., was added to the picnic committee.

NOTES.

Ludwig Stapp is adding two 300-foot houses, Moninger type, to his large range, and will be better equipped than ever this fall for a big wholesale business.

Wm. Knees is enjoying these hot days in his new auto and out at his summer home.

R. Rohlfis took in the peony show at Chicago and was much disappointed in the showing.

Ewoldt Bros. are getting ready to add another Moninger house, 30x100 feet. T. E.

Pittsburg.

PLENTY OF STOCK.

With warm weather still here there have been plenty of flowers of all kinds, including some fine Spanish iris, candytuft, coreopsis, galardias, delphiniums and the other various outside stocks. Carnations are very plentiful, but the quality is going downward, and it is also true of most of the roses. The five and ten cent stores are running such stock out at six or more for five cents. Lilies are very plentiful and are being advertised at very low figures, which move them out very well considering the quan-

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street, L. D. Phone, Randolph 6578 CHICAGO, ILL.

ties of other flowers on the market. American Beauty roses have been very plentiful and the quality has taken a little change for the good. Outside daisies and elderberries are taking the places of greenhouse flowers in many church decorations.

NOTES.

The Washington Floral Co. reports that its cut of carnations will steadily increase instead of decrease, and that the quality will be very good for so late in the season.

H. Meuschke, with the Ludwig Floral Co., left Monday morning for a trip to his old home in Germany.

The McCallum Co. has been leading in some nice long delphiniums and very fine lily of the valley.

J. H. Umpleby of Derby, N. Y., is consigning some good outside flowers to this market.

Randolph & McClements decorated for a recent elaborate wedding in the East End.

The Pittsburgh Cut Flower Co., is handling large quantities of sweet peas.

Visitors: A. Krut, Butler; A. J. Randfelder, Manhattan Ribbon Co., New York. J.

Montreal, Que.

GOOD BEDDING SEASON.

The bedding season is over and all are well satisfied. This has been one of the best seasons known here. The number of plants sold was the largest yet, but the prices remain the same and with the cost of labor and everything else the profit has been small. Geraniums did not sell exclusively as in former years, but sold along with other plants, which is to be preferred. Aster plants were eagerly sought. They were sold out early. Last year there was a glut of them. Cannas also sold well and large vines for windows, box and rustic stand work, were in demand. Peonies, hollyhocks, foxglove, Canterbury bells and the like sold well, the last winter being particularly severe on them.

NOTES.

There are many vegetable houses which formerly remained empty during the summer devoted to chrysanthemum growing. Most of them were planted some time ago and are looking well. The same growers also have started to grow asters in large quantities. On one place, A. C. Legare's, three acres have been planted and Victor Cardinal has 30,000 planted in his field, some of which are showing bloom.

The apple crop has practically been destroyed by the caterpillars, except where orchards have been properly sprayed. These look green and the foliage healthy while all around them trees are bare. The Davy Tree Expert Co. has done some good work by demonstrating that the pest can be checked by the right pumps and the proper sprays.

The Canadian Horticultural Association has completed all their arrangements for a successful convention, August 5-7, at Peterboro, Ont. All those who had papers assigned to them have answered favorably. The Armory is being secured and judging by the number of new exhibitors the trade exhibit will be worth going to see.

The retail stores down-town have entered their early closing season. The

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

trade has really not reached the mid-summer level, but already many of the best customers are at the summer resorts.

G. A. Robinson has been in poor health. His throat still gives him some trouble.

Jas. McKenna has returned from his trip to Europe improved both in health and spirits.

Wm. C. Hall is busy with the erection of his new place at Montreal west.

L.

Hartford, Conn.

Visitors to this city who have an eye for landscape effects cannot fail to be impressed with the many fine views of its parks, public buildings and grounds, and the well kept lawns and shrubbery about its many homes. In street parking, Hartford is second to no city in the country, its thousands of large and beautiful trees being a token of age and refinement. With civic pride thus developed, it follows that the retail florists are well patronized.

I. Larensen & Son, 221 Park street, have recently executed a number of excellently arranged funeral designs in which class of work their trade is large. Much of the cut stock used here comes from the Pierson range at Cromwell.

As a compliment, doubtless, to the new and popular rose, the latest retail flower store to be opened here is called the Milady Flower Shop.

J. S. Coombs advised us that this had been his best season since going into business and we found him very busy.

G. W. De Fong has a good store in the Linden hotel, 431 Main street, and seems prosperous.

We found G. W. McClunie busy and optimistic over the business outlook.

A. F. F.

Westchester and Fairfield Hort. Society.

The regular monthly meeting of this society was held in Greenwich, Conn., June 13. President Robert Williamson in the chair. The second annual summer show will be held in Greenwich Town Hall June 20-21. The society is hoping for a large entry for the valuable prizes offered in the various classes named in the schedule. After a hot discussion it was decided to hold the third annual outing at Rye Beach early in August, date to be announced later. The exhibits at this meeting were of excellent culture, again proving that the members of this society know how to produce the goods. The judges' awards were as follows:

Thomas Ryan, honorable mention for vase of sweet peas, named varieties.

James Tierney, honorable mention for collection of sweet peas.

Oak Wreaths

Natural prepared American Oak Wreaths, made from preserved and fireproof Oak Sprays in cherry red, golden brown and natural green. Two sizes, 18 and 24 inch. Sample of 24-inch wreath will be sent postpaid on receipt of 90c.

OSCAR LEISTNER, 17 North Franklin Street
CHICAGO

Selling Agents for OVE GNATT Hammond, Ind.
Preparer of natural foliage.

Chicago Carnation Co.

Wholesale Florists,

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.



Dominick E. Freres

WHOLESALE FLORIST

Roses, Carnations and all other seasonable cut flowers and Greens. Fine fresh stock obtainable at all times at lowest market prices. Give me a trial order.

162 N. Wabash Avenue, CHICAGO

J. B. DEAMUD CO.

Wholesale Florists

Roses, Carnations Lilies and all other seasonable flowers and Greens in quantity. All orders filled promptly.

160 N. Wabash Ave., Chicago.

William McAllister, honorable mention for vase of roses of the Conrad F. Meyer variety, and also for Gaudy strawberry.

Oscar Addor, cultural certificate for well flowered specimen Cattleya Mendelli.

W. D. Maternowski, highly commended for Begonia Lloydii.

D. H. Guermansprey, highly commended for collection of peonies.

Paul Daunger, vote of thanks for bunch of rye "Excelsior" standing seven feet.

Dan Pastore, vote of thanks for vase of sweet williams.

The third annual fall exhibition of the society will be held in the armory, Stamford, Conn., October 31-November 1. Exhibitors should get busy for the valuable prizes offered. Schedules are out.

OWEN A. HUNWICK, Sec'y.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Private Exchange to
all Departments. Phone Central 7720.

CHICAGO

Everything in Cut Flowers and Supplies.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids,
Peonies and Other Seasonable
Stock for Wedding Work

Long Distance Phone
Central 3598.

Kennicott Bros. Co.

Wholesale Cut Flowers

PEONIES

Extra select, \$6.00 to \$8.00 per 100.
Select, \$3.00 to \$4.00 per 100.

163-165 N. Wabash Av.
CHICAGO

L. D. Phone Central 466

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO
ROSES and CARNATIONS
Our Specialties.

HOERBER BROS.

Wholesale **Cut Flowers**
Growers of

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., CHICAGO

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone. Randolph 3619.

ZECH & MANN

Wholesale Florists

30 East Randolph St., - - Chicago

Telephone, Central 3284.

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers
at Lowest Market Prices.

30 E. Randolph St., CHICAGO

Mention the American Florist when writing

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, June 25.	Per doz.
Roses, Beauty, specials.....	\$4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 28-in.....	2 00
" " 15-20-in.....	1 25@ 1 50
" " 12-in.....	50@ 75
Per 100	
" " Short.....	2 00@ 4 00
" Killarney.....	3 00@ 8 00
" White Killarney.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" Prince de Bulgarie.....	3 00@ 8 00
" Radiance.....	3 00@ 8 00
" My Maryland.....	3 00@ 8 00
" Melody.....	3 00@ 8 00
" Mrs. Jardine.....	3 00@ 8 00
" Lady Hillingdon.....	3 00@ 8 00
" Sunburst.....	3 00@ 8 00
Carnations.....	1 50@ 2 50
Daisies.....	1 00@ 2 00
Cattleyas...per doz., 6 00 and up.	
Gardenias.....	2 00@ 4 00
Lilium Harrisii.....	10 00@12 50
Peonies.....	2 00@ 8 00
Valley.....	3 00@ 4 00
Sweet Peas.....	75@ 1 50
Adiantum Croweanum.....	2 00
Boxwood.....per lb.	25
Ferns.....per 1000.	2 00@3 00
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy...per 1000.	5 00@6 00
Plumous Strings...each.	50@ 60
Smilax.....per doz., 2 00@2 50	
Sprengerii Plumous Sprays.....	3 00@ 4 00

We have a big supply of
Mexican Ivy

and a surplus of choice

MAGNOLIA LEAVES

AND PREPARED PALM LEAVES.

H. WITTBOLD

56 Randolph St., CHICAGO

Phone Randolph 4708

Mention the American Florist when writing

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing

Wietor Bros.

Wholesale **CUT FLOWERS**
Growers of

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

C.C. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
**Choice Cut Flowers
and Greens**

Green Sheet Moss

For lining hanging baskets, for decorating
show windows, for covering soil on pot
plants, etc. 1 Bale (5 bundles).....\$1.25
5 bales (25 bundles)..... 6.00

GEO. H. ANGERMUELLER,
Wholesale Florist. ST. LOUIS, MO.

Philadelphia.

SUPPLY TOO LARGE.

The supply of flowers is much greater than the demand and general average prices are very low. The best sellers are American Beauty roses and sweet peas. There is also a fair demand for lily of the valley. All other stock is to be had at buyers' prices. The local roses are retrograding and eastern stock, particularly American Beauty, has the call. Some very fine flowers are seen. Easter lilies are now a factor. The quality is excellent and they are much used in funeral work. Gladioli and water lilies are plentiful and are popular for window decorations. There are still a few peonies and it is astonishing to see how well they look after their long sleep.

CLUB HOLDS PICNIC.

The feature of the week was the picnic at Washington Park. About 200 attended and enjoyed every minute of the time. The sail down the river was delightful. The weather was all that could be desired. Arriving at the park the interest centered in the ball game between a team from the seedsmen and another selected from the cut flower men, both wholesale and retail. The game was well played, being close and exciting. Ben Gibbs of the Bernheimer force was umpire. The seedsmen made a gallant try but the florists' nine was too much for them, the latter winning by the score of 6 to 3, and winning the Retail Florists' Association prize, a stickpin for each player. Robby Shock won the fat man's race from scratch. The handicap men bunched to hold him back but he broke through and won handily. There were a number of other races for the ladies. The results of the contests were as follows:

Ladies' 50-yard race—Miss Heacock, first; Mrs. Robertson, second; Miss Connor, third.

Men's sack race—Francis Stokes, first; Elmer Gaehring, second; Robert Shock, third.

Girls' 75-yard race—Ethel Robertson, first; Mildred Adelberger, second.

Ladies' wheelbarrow race—Mrs. Rust, first; Mrs. Thilow, second; Mrs. Miller, third.

Ladies' potato race—Miss Heacock, first; Mrs. Miller, second; Mrs. E. Aschman, third.

Boys' 75-yard race—Wm. Robertson, first; Alfred Rust, second.

Fat man's race—Robert Shock, first; H. Aschman, second; T. Shober, third.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.
448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, June 25.		Per 100
Roses, Beauty, extra.....	16 00@25 00	
" first.....	10 00@15 00	
" Brides and Maids.....	3 00@ 8 00	
" Killarney.....	4 00@ 8 00	
" White Killarney.....	4 00@ 8 00	
" Liberty.....	4 00@ 8 00	
Carnations.....	2 00@ 4 00	
Cattleyas.....	35 00@50 00	
Gardenias..... per doz., 1 00@ 2 00		
Lilium Harrisii.....	5 00@12 00	
Lily of the Valley.....	3 00@ 5 00	
Calla Lilies.....	6 00@ 8 00	
Marguerites.....	50@ 75	
Snapdragons.....	4 00@ 6 00	
Sweet Peas.....	50@ 75	
Water Lilies.....	3 00@ 4 00	
Peonies.....	4 00@ 6 00	
Gladiolus.....	3 00@ 6 00	
Asparagus..... per bunch, 50		

PITTSBURG, June 25.		Per 100
Roses, Beauty, special.....	50 00	
" extra.....	30 00	
" No. 1.....	15 00	
" Killarney.....	3 00@10 00	
" My Maryland.....	3 00@10 00	
" Richmond.....	3 00@10 00	
Carnations.....	3 00	
Calla Lilies.....	12 00	
Freesias.....	3 00	
Gardenias.....	3 00	
Daisies.....	2 00	
Cattleyas.....	50 00	
Violets.....	50@ 75	
Sweet Peas.....	75@ 1 00	
Lilium Longiflorum.....	12 00	
Lilium Rubrum.....	8 00	
Lily of the Valley.....	4 00	
Daffodils.....	3 00	
Tulips.....	3 00	
Paper White.....	3 00	
Romans.....	2 00	
Poeticus Narcissus.....	1 00	
Oncidiums.....	4 00	
Lilac..... per bunch, \$1 00		
Asparagus Sprengeri, per bunch, 35@40		
Sprays..... per bunch, 35@40		

MILWAUKEE, June 25.		Per 100
Roses, Beauty, per doz., 3 00@4 00		
" White and Pink Killarney.....	2 00@ 8 00	
" Richmond.....	2 00@ 8 00	
" Wards.....	3 00@10 00	
" Tafts.....	3 00@10 00	
" Mrs. Chas. Russell.....	6 00@15 00	
Carnations.....	1 00@ 3 00	
Easter Lilies.....	8 00@10 00	
Lily of the Valley.....	4 00	
Sweet Peas.....	75@ 1 50	
Daisies.....	75@ 1 00	
Peonies.....	4 00@ 5 00	
Asparagus..... per string, 50		
Sprengeri, per bunch, 35		
Ferns, fancy..... per 1000, \$2 00		

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,
142 North 13th St., PHILADELPHIA, PA.
Easter Lilies, Carnations, Sweet Peas,
all the popular roses. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES
C. A. KUEHN, Wholesale Florist.
1312 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.
WHOLESALE FLORISTS
1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones,
Supplies and Everything in Season always on hand

Dagger Ferns, 1000, \$1.50

Special price in case lots. You will find no better quality ferns anywhere. We invite you to make comparisons.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

U S Budlong's E Blue Ribbon Valley.

Men's wheelbarrow race—James Heacock, first; Paul Klingsporn, second; Edward Reid, third.

Special race for the "Laird of Ranstead Street" prize—Edward Towill, first.

After the athletic events a splendid dinner in the large dining room of the hotel was much enjoyed.

NOTES.

The annual spring opening of the Waretown club house of Commodore Westcott on Friday last was a gala event, Philadelphia, New York, Boston and Washington being well represented. The following gentlemen were present: President J. K. M. L. Farquhar, W. J. Stewart and Col. Castle, of Boston; Robert Halliday, R. F. Graham, Baltimore, Md.; John N. May, Chas. H. Totty, Madison, N. J.; Walter Sheridan, James Dean, Patrick O'Mara, New York; Wm. F. Gude, Washington, D. C.; John Barton, Chas. Einerman, George Craig, Jos. Meehan, Otto Thilow, P. H. Love, George Anderson, George C. Watson, S. S. Pennock, R. McKenny, Robert Craig, David Rust, Wm. Westcott, Robt. Kift, Philadelphia. Letters were received from many unable to be present. Edwin Lonsdale of California sending a telegram. A Victrola with a number of records was presented to the commodore, who was much pleased with the gift, but more with the thought that prompted it. The feature of the first night was a splendid story related by Mr. Totty. His abil-

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, June 25.		Per 100
Roses, Beauty, special	20 00@25 00	
" " fancy	15 00@20 00	
" " extra	10 00@15 00	
" " No. 1	7 00@10 00	
" " No. 2	2 00@3 00	
" Maid and Bride	3 00@6 00	
" Pink Killarney	3 00@7 00	
" White Killarney	2 00@7 00	
" Richmond	2 00@7 00	
" My Maryland	2 00@7 00	
" Aaron Ward	2 00@5 00	
" Kaiserin	4 00@7 00	
" Carnot	4 00@7 00	
Snaptagon	2 00@3 00	
Swainsona	75@1 00	
Carnations	1 00@2 00	
Lilium Longiflorum	6 00@10 00	
Lily of the Valley	3 00@4 00	
Pink Japan Lily	3 00@5 00	
Peonies	2 00@4 00	
Mignonette	1 00@2 00	
Daisies	1 00@1 25	
Sweet Peas	40@75	
Gladioli, indoor	4 00@6 00	
" Baby	3 00@4 00	
Peas, outdoor, per bunch	10c	
Asparagus, per bunch	35@50	
Asparagus, Sprenger	35@50	
Ferns	per 1000, \$2 50	

BOSTON, June 25.		Per 100
Roses, Beauty, best	15 00@20 00	
" " medium	10 00@12 00	
" " culls	2 00	
" White and Pink Killarney		
Special	6 00	
" White and Pink Killarney		
Extra	4 00@6 00	
" Double White Killarney	10 00@12 00	
" Killarney Queen Special	8 00@10 00	
" Mrs. Chas. Russell	10 00@12 00	
" Sunburst, Special	6 00@8 00	
" Taft	2 00@8 00	
" Cardinal	2 00@10 00	
" Ward and Hillingdon	1 00@6 00	
" Richmond	2 00@8 00	
" My Maryland	2 00@8 00	
Carnations, select	1 50@2 00	
Cattleyas	25 00@40 00	
Gardenias	12 00@25 00	
Lilium Longiflorum	4 00@6 00	
Lily of the Valley	2 00@3 00	
Sweet Peas	50@75	
Daisies, Marguerites, per doz.	75@1 50	
Peonies	75@1 00	

CINCINNATI, June 25.		Per 100
Roses, Beauty	per doz., \$1 00@3 00	
" " Bride, Bridesmaid	2 00@6 00	
" " Killarney	2 00@6 00	
" " My Maryland	3 00@6 00	
" " Perle	3 00@6 00	
" " Richmond	2 00@6 00	
" " Taft	2 00@6 00	
Carnations	1 50@3 00	
Lilium Gigantum	8 00@10 00	
Lily of the Valley	3 00@4 00	
Sweet Peas	35@50	
Gladioli	3 00@8 00	
Asparagus Plumosus	per bunch, 25	
Snaptagon	3 00@6 00	



Give Us a Trial We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO
Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

ST. LOUIS, June 25.		Per 100
Roses, Beauty, long	per doz., 3 00	
Roses, Beauty, medium	8 00@15 00	
Roses, Beauty, short stems	3 00@5 00	
" Killarney	2 00@5 00	
" My Maryland	2 00@5 00	
" White Killarney	2 00@5 00	
Carnations	1 00@2 00	
Lilium Rubrum	8 00	
Valley	4 00	
Sweet Peas	20@60	
Asparagus Sprenger	2 00@3 00	
Asparagus Plumosus, per bu.	35@60	
Ferns, New, Fancy	2 00	
Galax	per 1000, 1.25	

150,000 Chrysanthemum Cuttings.

Extra Fine Stock. Good Value for the Money. Can Fill Orders For 100, 250, 500, 1000, or 10,000, at a Moment's Notice. Order Today.

WHITE		
	R. C. per 100	1000
Smith's Advance.....	\$2.00	\$15.00
White Chadwick.....	3.00	27.50
Lynnwood Hall.....	2.50	20.00
Alice Byron.....	2.00	15.00
Touset.....	2.00	15.00
October Frost.....	2.00	15.00

YELLOW		
	R. C. per 100	1000
Comoleta.....	\$3.00	\$27.00
Golden Chadwick.....	3.00	27.50
Yellow Eaton.....	2.50	20.00
Crocus.....	2.00	15.00
Golden Glow.....	2.00	15.00
Halliday.....	2.00	15.00
Maj. Bonaffon.....	2.00	15.00

PINK		
	R. C. per 100	1000
Amorita.....	\$2.50	\$20.00
Dr. Enguehard.....	2.50	20.00
Pacific Supreme.....	2.00	15.00
Balfour.....	2.00	15.00

J. D. Thompson Carnation Co., Joliet, Ill.

ity in this line is quite up to his reputation as a master of things in the world of horticulture. The two days, full every minute with all sorts of enjoyable features, including sailing on the beautiful Barnegat bay, were much enjoyed. The company reluctantly departed, wishing long life to the much loved and popular commodore.

Snapdragon, sweet peas and lily of the valley were the features at the Leo Niessen store the past week. American Beauty roses were also seen in quantity. Notwithstanding the lateness of the season, quite large shipments are made daily to out of town points.

Edward Reid is featuring eastern American Beauty roses, receiving large shipments daily. Lily of the valley is also handled in quantity.

Berger Bros. are pushing sweet peas. Roses are also leaders, some very good stock being offered.

K.

New York.

STOCK GOING TO WASTE.

There is practically no change in the condition of the market from that of the past two weeks. While a certain amount of good stock has been moving at low prices, a comparison with market reports for the month of June for the past five years shows that there is but little variance in quotations. It has been said, however, that while figures do not lie, there are liars who write figures. This year is exceptional in this respect, as more stock is going to waste in this month of June than in any previous year since the flower business became a factor in trade. There may have been years when much stock was lost because it was held for higher prices, but of late it has gone to waste for the simple reason that it could not be sold at any price. We acknowledge that this is a dark picture, but it does not adequately portray the actual conditions as seen on the field. While, as previously stated, there is good stock on the market, there is also an immense amount of rubbish which can bring no returns to anybody but the express companies. The greater part of the stock of American Beauty roses arriving is poor. Early in the week American Beauty specials were wholesaling for \$10.00 a hundred. On June 19 the price advanced to \$20.00 a hundred. Careful buyers stated that even at that price they could not secure 25 per cent of the stock they wanted. It will thus be noted that the market is suffering

The Chicago Great Western has been named the Official Route of the Chicago Florists' Club to the Minneapolis Convention, August 19th to 22nd.

The Chicago Florists' Club will leave Chicago by Special Train at 6.15 p. m., August 18th, an invitation is extended to all eastern Florists and their friends and families to join them at Chicago and go to the convention in a body.

Special train will be "up-to-the-minute" throughout—including compartment and drawing room and standard sleepers, Buffet Club car, dining cars, Observation parlor, etc., etc.

For berths and information address,

**A. L. CRAIG, General Pass. Agt.,
1139 People's Gas Bldg., CHICAGO, ILL.**



from a surplus of mediocre stock. In tea roses, double white, double pink, Killarney, Killarney Queen and Taft are the best sellers, reaching \$8.00 a hundred. There is much Richmond stock arriving that is practically worthless, being too open. The supply of good carnations is diminishing and there are indications of a sharp advance, while they last, which will be but for a short time. The market is overloaded with sweet peas, many of the Spencer type being very fine, and it seems a pity to see such good stock sacrificed. The cold storage peonies are now arriving in quantity.

**U S Budlong's
E Blue Ribbon Valley.**

June 23.—Business is very light and there is not much good stock. Poor stock is abundant and there is very small demand for it.

PHILADELPHIA

NEW YORK

WASHINGTON

OFFICIAL

S. A. F.

Shipping Labels



S. S. Pennock-Meehan Co.

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.



FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago

NOTES.

The century plant at the Central park greenhouses has been the subject of quite a number of newspaper and some trade paper notices of late, most of them erroneous. Head Gardener Olson has it plunged on the lawn in front of the greenhouses and the flower stalk has shot up to a height of four or five feet and shows indications of blooming in a short time. Mr. Olson has his bedding plants out and the grounds around the greenhouses look very beautiful. Many hardy roses are also in bloom, which are an added attraction. In the greenhouses there are many specimens of merit and the stock is well cared for. A feature just now at the entrance to one of the large greenhouses is a fine specimen of *Clerodendron Balfourii* blooming profusely. It is a climbing shrub and covers large wall space. The many panicles of white and reddish flowers make a pleasing picture.

G. Myer, Madison avenue and Fifty-eighth street, has this month arranged a number of very fine dinner decorations. On June 9 he decorated for a dinner at which over 1,500 persons were seated. On Memorial day he decorated for the dinner given by the city of New York to the guests attending the unveiling of the Maine monument. Another of his recent noteworthy decorations were for a luncheon given in honor of the Brazilian envoys.

A. Whitley, buyer for Max Schling, will sail July 1 for an extended visit to Germany. He will be accompanied by his wife, who also works in the Schling store. They are expected to return about the last of August. Speaking of Max Schling reminds us that he seems to have been well repaid for his exhibit at the Third National Flower Show. He advises us that since the show he has received many orders from the florists of other cities.

Among the passengers on the Kaiser Wilhelm der Grosse, outward bound, June 17, was Mrs. Paul Meconi, sailing for Germany for a three months' visit. An unassuming young woman, she has made many friends in the trade, as was evinced by a merry party that assembled to wish her bon voyage and to present her with beautiful floral tributes.

Among the New York florists who fill many steamer orders are W. A. Blaidel's Sons, 402 West Twenty-third street. They have a fine store, are well equipped for business, and being near to the docks have made good use of their opportunities. They advise us that their steamer business has been better this season than ever before.

The veteran L. W. Kervan, who taught the other fellows how to deal in florists' greens, is now rapidly recovering from a recent surgical operation. Mr. Kervan is 70 years old, but a little matter like that does not bother a man who faced the charge of Pickett's division at Gettysburg.

One of the large and well arranged retail stores of this city is that of C. E. Zervakos, Madison avenue and Ninety-second street. Mr. Zervakos has been located there a number of years and caters to a good class of trade.

A. F. F.

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Wholesale Flower Markets

NEW YORK, June 25.		Per 100
Roses, Beauty, special.....	8 30@10 00	
" " extra and fancy ..	4 00@ 5 00	
" " No. 1 and No. 2...	50@ 1 00	
" Killarney, My Maryland...	5 00@ 6 00	
" " special.....	2 00@ 3 00	
" " extra ..	25@ 1 00	
" " No. 1 and No 2	7 00@ 8 00	
" " Queen, special.	7 00@ 8 00	
" " Red, special.....	5 00@ 6 00	
" Hillingdon, Aaron Ward.	50@ 6 00	
" " Richmond.....	6 00@ 6 00	
" " Sunburst, special.....	5 00@ 6 00	
" " Taft, special.....	5 00@ 8 00	
" Mrs. Geo. Shawyer, special.	25@ 1 00	
Carnations.....	25 00@40 00	
Cattleyas.....	5 00@15 00	
Gardenias.....	1 00@ 2 00	
Lilies, Longiflorum and Harrisii ..	3 00	
Lily of the Valley.....	50@ 75	
Gladiolus.....per doz.,	25@ 50	
Sweet Peas.....per doz, bunches,	Spencer type, per doz.	
" bunches.....	75	
Adiantum Croweanum.....	15@ 50	
Asparagus Plumosus.....doz. bchs.	1 50@ 2 00	
Smilax.....per doz. strings,	1 00@ 1 25	
Stocks.....per bunch,	25c@30c	
Snapdragons.....per doz.,	25c@1 00	
Ponies, special, per doz.,	75c@1 00	
common ..	25c@ 50	

Albany, N. Y.

CHILDREN'S GARDEN EXHIBITION.

Arrangements have been completed for an exhibition of work done by children in the local schools in gardening to be held September 12 in the lake house, Washington park. The prizes will be awarded at 3 p. m. on the croquet grounds. For the best school gardens one local newspaper has offered four prizes: one of \$15, one of \$10 and two of \$5. Schools that have no yards for planting may compete with window boxes. Another newspaper offers \$10 for the best community garden, which includes gardens planted and cared for by the Boy Scouts, Albany Girls' Club and the Albany Orphan Asylum. A large list of prizes amounting to from \$1 to \$10 each is offered by eleven of the prominent women of the city. F. A. Danker, the Maiden Lane florist, offers \$5 in gold for the best bouquet grown by a child and brought to the exhibit. William C. Gloeckner, another florist, offers \$2.50 for the largest variety of cut flowers. More than 2,000 packages of seed have been bought by the children for the competition. Mrs. John T. D. Blackburn, chairman of the garden committee of the Woman's Club, and more than twenty assistants have started the work and will keep a general supervision of the gardens during the summer.

NOTES.

The month of June finds the local florists very busy with weddings, dinners and commencements. The season to date has been exceptionally good.

Holmes Bros. have opened a retail store at 20 Steuben street. The location is downtown in the business district, where business is booming.

R. D.



HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square. Mention the American Florist when writing

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St., NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere. Prompt and satisfactory. Consignments solicited. Mention the American Florist when writing

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Mention the American Florist when writing

Geo. C. Siebrecht

WHOLESALE FLORIST

109 West 28th St., NEW YORK

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Guttman Flower Growers Co.

A. J. GUTTMAN, President.

Wholesale Florists

Removed to 102 W. 28th St., New York

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18 Years Experience.

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FRESH CUT EVERGREENS

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1 1/4 inch..... 45c per 100
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WILLOW-ART AND FANCY BASKET-MAKER
Over 20 years practical experience.

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Wholesale and Retail Dealers
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Ferns, Bronze and
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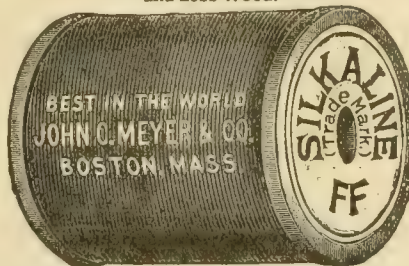
FULL SIZE BALES, CLEAN STOCK,
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TRY A SAMPLE ORDER AND COMPARE WITH
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VAUGHAN'S SEED STORE,
CHICAGO.



Do Not Take Any Fake Green Thread. Use the
Genuine Silkline and Get More Thread
and Less Wood.



JOHN C. MEYER THREAD CO., Lowell Thread Mills, Lowell, Mass.

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes

The MEYER Green

SILKALINE

Used by Retail Florists for mossing funeral
designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it
will not fade or rot in the greenhouse. The Meyer
Silkline was the first green thread to be introduced
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best houses everywhere, but it should be ordered by
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Lowell Thread Mills, Lowell, Mass.



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

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We have a surplus of 12 barrel bale New Jersey
Moss, clean, fresh and burlapped, and will deliver
anywhere in Chicago, express prepaid, at \$5.00 per
bale. 2 or more bales at \$4.75. By freight collect
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1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

New Crop Fancy and Dagger Ferns Huckleberry Foliage now ready.

Price, Huckleberry, \$2.00 per case; Fancy Ferns,
\$1.25 per 1000; Dagger Ferns, \$1.10 per 1000.

Caldwell the Woodsman Co.

Everything in Southern Evergreens
EVERGREEN, ALABAMA.

HUCKLEBERRY FOLIAGE \$2.00 per case

FANCY FERNS, \$1.25 per 1000

DAGGER FERNS, \$1.10 per 1000

Perpetuated and Natural Sheet Moss.

E. A. BEAVEN, Evergreen, Ala.

Budlong's Blue Ribbon Valley.

Baskets

Newly imported stock from our large fac-
ories in Germany. Largest and finest assort-
ment in the United States. Send for a \$5.00
or \$10.00 assortment, our selection, and we
will bill you at factory prices. Write today.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

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2 STORES 2

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J. J. LEBORIUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

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Phone Murray Hill 1440 and 1441.

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Our Motto—The Golden Rule.

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“WILSON”

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339 to 347 Greene Ave., Phone 3908 Prospect.
Greenhouses: Short Hills, N. J.
—Deliveries in—

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Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

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FLORIST

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L. L. MAY & CO.

Order Your Flowers for delivery
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LEADING FLORISTS OF THE NORTHWEST

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A. LANGE,

25 E. MADISON ST.

Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

June 22.

FROM MONTREAL, Scotian, Allan.

June 24.

FROM MONTREAL, Megantic, White Star-Dom.

FROM BOSTON, Laconia, Cunard.

FROM BOSTON, Bluecher, Ham-Amer.

Ryndam, Holland-America, 10 a. m.

Kaiser Wilhelm II, North Ger.-Lloyd, 10 a. m.

Venezia, Fabre, 3 p. m.

Greenada, Trinidad, Pier 24.

June 25.

Imperator, Ham.-Amer., 1 p. m.

FROM PHILADELPHIA, Prince Adalbert.

Ham.-Amer.

FROM BALTIMORE, Neckar, North Ger.-Lloyd.

2 p. m.

Eastern Prince, Prince.

River Orantes, Norton.

Shimosa, Barber.

June 26.

FROM QUEBEC, Empress of Ireland, Can. Pu-

cific, 3:30 p. m.

Celtic, White Star, 12 noon.

France, French, Pier 57, North River.

C. F. Tietgen, Scand.-Amer., 2 p. m.

Strath, Lloyd Brazleiro.

June 27.

FROM MONTREAL, Tunisian, Allan.

St. Paul, American, 10 a. m., Pier 62, North

River.

June 28.

FROM MONTREAL, Preborian, Allan.

Cameronia, Anchor, 2 p. m., Pier 64, North

River.

Laaland, Red Star, 10 a. m., Pier 61, North

River.

Oceanic, White Star, 12 noon.

FROM BOSTON, Celtic, White Star, 12 noon.

Carmania, Cunard.

FROM MONTREAL, Ascania, Cunard.

Chicago, French, Pier 57, North River.

FROM MONTREAL, Athenia, Donaldson, at day

light.

Patricia, Ham.-Amer., 12 noon.

Russia, Russian-American, 2 p. m.

Byron, Lampert & Holt.

June 29.

FROM MONTREAL, Corinthian, Allan.

June 30.

Kentucky, Norton.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

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Reference or Cash must accompany all orders from unknown correspondents.

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McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

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We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

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Floral Company**

Orders for cut flowers and designs solicited for delivery in any part of Texas.

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440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

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J. B. BOLAND

Successor to Sievers & Boland

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60 KEARNEY STREET

YOU NEED THIS STOCK!

Buy Poehlmann's Quality Rose, Chrysanthemum and Pompon Plants and Cuttings and Grow Prize Winning Flowers. . . .

YOU no doubt remember the magnificent showing that we made at the last National Flower Show, in New York, April 5-12, when we won so many first prizes on our American Beauty and Rose Exhibits and the various other shows, where we were also always such large prize winners IT STANDS TO REASON THAT OUR STOCK IS BEST or the judges would never have awarded us the prizes. We are so positive that our stock is unsurpassed for the money that we urge every grower in America to buy his supply here as early as convenient. Remember we lead in quality and quantity, so look over this list, select what you need and let us have your order today. Fill up your empty benches with some of this stock now.

Best Grafted Rose Stock

Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000; \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill.
Killarney Queen, \$15.00 per 100; \$120.00 per 1000.

Supreme Quality Own Root Stock

Melody, \$5.00 per 100; \$45.00 per 1,000. Richmond, 2½-inch, \$4.00 per 100; \$35.00 per 1,000.

BIG CHRYSANTHEMUM BARGAIN 20% Reduction

On 2½-inch stock of the following varieties:

YELLOW
Comoleta..... 2½-in. per 100 Per 1000
\$4.00 \$35.00

Best Early Yellow, Blooms September 27.

WHITE
October Frost..... 2½-in. per 100 Per 1000
\$3.00 \$25.00

PINK
Patty..... 2½-in. per 100 Per 1000
\$4.00 \$35.00

Beautiful Enchantress Pink, fine strong grower, (3½-in. per 100, \$5.00)

Unaka..... 2½ in. per 100 Per 1000
\$5.00 \$45.00

Earliest Pink, first week of October.

When ordering deduct 20% from advertised prices in the above four varieties of Chrysanthemums only. Our unlimited facilities for handling immense quantities enables us to make this cut in prices without reducing the well-known quality of our extra fancy stock.

200,000 Cuttings of the following varieties left, so order your supply now.

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R. C. per 2½-in. per
100 1000 100 1000
Timothy Eaton..... 2 50 20 00 3 00 25 00
W. H. Chadwick..... 3 00 25 00 4 00 35 00
Smith's Advance..... 3 00 25 00 4 00 35 00

YELLOW
Halliday..... 2 50 20 00 3 00 25 00
Chrysolora..... 5 00 40 00 6 50 60 00
Best Yellow Money Maker, blooms Oct. 5 to 10

YELLOW
R. C. per 2½-in. per
100 1000 100 1000
Col. Appleton..... 2 50 20 00 3 00 25 00
Crocus..... 4 00 35 00 5 00
Dolly Dimple..... 3 00 25 00 3 50
Major Bonnafeon 2 50 20 00 3 00 25 00
Immense stock, still one of the best.

PINK
R. C. per 2½-in. per
100 1000 100 1000
McNiece..... 2 50 20 00 3 00 30 00
Maud Dean..... 2 50 20 00 3 00 30 00
Dr. Enguehard..... 2 50 20 00 3 00 30 00
RED
Schrimpton..... 2 50 20 00 3 00 25 00
BRONZE
O. H. Kahn..... 4 00 30 00 5 00
We can supply large quantities of the above.

Look! Another Big Reduction.

**40,000 POMPONS—Must be Sold At Once—2½-in., \$3.00 per 100;
3½-in., \$5.00 per 100, while they last. First come, first served.**

YELLOW Krut Emo West Lake Mike Gabel Quinola	BRONZE M. D. LaPort Bean PINK Nellie Bly Dark Pink RED La Graver	WHITE Kermit Grace Burke PINK Mrs. John Fisher Gertrude Wilson Single Pink BRONZE Ida Kroeschell—This is a single Anemone Dark Single Bronze
WHITE Newbury Baby Margaret Diana	Waco Menso Lula	SINGLES Christina Scull Allan Carter Parkington

POMPON CUTTINGS—CHOICE STOCK, \$20.00 per 1000.

Berried Plants

Jerusalem Cherries for field planting, strong, 2½-in., \$3.00 per 100; \$25.00 per 1000.
Cherries, Fra Diavola, 2½-inch..... 3.00 per 100
Cluster Peppers, strong, 2½-in., \$3.00 per 100.
Celestial Peppers, an indispensable Xmas plant, strong, 2½-in., \$3.00 per 100; \$25.00 per 1000.

Palms
Kentias Belmoreana and Forsteriana, immense stock of perfect plants in all sizes from 4-in. to 10-in. plants, at prices ranging from \$4.50 per dozen to \$15.00 each, according to size.
Cocos Weddellana, 2½-in., \$15.00 per 100.

Grevillea Robusta, strong, 2½-in., \$3.00 per 100
Smilax, extra strong new stock, twice topped, 2½-in., \$3.00 per 100; \$25.00 per 1000; strong 3-in., \$5.50 per 100, \$50.00 per 1000.
Fancy Leaved Caladium..... 75 cents to \$1.50 each
Asparagus Sprengerii, 2½-in., \$3.00 per 100; \$25.00 per 1000. 3-in., \$5.00 per 100; \$45.00 per 1000.
Asparagus Plumosus Nanus, 2½-in., \$3.50 per 100, \$30.00 per 1000; 3-in., \$6.00 per 100, \$55.00 per 1000. 4-in., \$12.00 per 100; extra strong, 4-in., \$15.00 per 100.
Asparagus Hatcheri, strong, 2½-in., \$2.50 per 100.

Aspidistra, green and variegated, about 10 to 15 leaves per plant, variegated, 15c per leaf; green, 10c per leaf.
Primula Obconica Grand., strong, 2½-in., \$3.50 per 100; \$30.00 per 1000.
Ficus Pandurata, strong, 6-in., \$3.50 each.
Pandanus Veitchii, highly colored, 6-in., \$1.00 to \$1.50 each; strong, 7-in., \$2.00 each.
Umbrella Plants, ready to shift, 2½ in., \$3.00. per 100; 3-in., \$5.00 per 100.

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MORTON GROVE, ILLINOIS.
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We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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BOTH PHONES No. 40
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Careful Attention To All Orders.

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Atlanta Floral Co.

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Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
California Florists, Tacoma, Wash.
Clark's Sons, New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
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Eyles, 11 N. Pearl St., Albany, N. Y.
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Gasser, J. M., Co., Cleveland, O.
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Gude Bros., Washington.
Habermann, Charles, New York.
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All Orders Given Prompt and Careful Attention

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40 YEARS

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Personal Attention to all Orders.

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Floral Designs and
Choice Cut Flowers

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Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
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that may be entrusted to them

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Largest Floral Establishment in America.
Established 1874, Incorporated 1909.

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Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or
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CLEVELAND

EUCLID AVENUE

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Blackstone

14th and H. Street.

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Send flower orders for delivery in

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New England Points

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Buffalo, N. Y.—W. J. Palmer & Son, 301 Main.
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Chicago—Mangel, 17 E. Monroe St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
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San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellecano, Ross & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Heini & Sons.
Tacoma, Wash.—California Florists.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Blackstone.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: Choice Cut Flowers.
1552-1553 Columbus

San Francisco

Podesta & Baldocchi

224 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES
FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

The Cleveland Cut
Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.
Jefferson and Washington Ave.

Albany, N. Y.

EYES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET

Toronto, Can.

Canada's best known and most reliable florist

Only
the Best
Dunlop's

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in Wisconsin

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

ST. LOUIS, MO.

ORDERS TAKEN FOR

FLOWERS

DELIVERED TO ALL PARTS OF THE COUNTRY.
SPECIAL CARE, SELECT AND ARTISTIC WORK.

F. H. Weber

Member of Florists' Telegraph Delivery

Boyle and Maryland Ave.

Both Long Distance
Phones.

Send your orders for Chicago and Suburbs to



Schiller the FLORIST
2223 W. Madison St. CHICAGO
All orders carefully filled under the supervision of
GEORGE ASMUS, Mgr
Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Little Rock, Ark.

PAUL M. PALEZ,
FLORIST,
409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heint)

336 Superior St., Toledo, O.
Both Phones, 527.

Special attention to Mail and Telegraph Orders

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

Newark, Ohio.

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

Louisville, Ky.

F. Walker & Co.,

FLORISTS

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

New York.

MYER, FLORIST, 609-611 Madison Ave
Phone 5297 Plaza.

Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

Mention the American Florist when writing

Tacoma.

BENCHES EMPTY.

Empty benches in practically every establishment tells the story of good business along the lines of pot and bedding plants. Spring sales have been ahead of any previous year in quantities sold. The call for cut flowers continues very good with most kinds in good supply. Carnations seem to be somewhat off color with abundance of "splits" in every lot brought in. At the present time the city is well supplied with outdoor grown roses in probably 200 varieties that are practically perfectly grown. The season has been very favorable for these flowers. Prices have been kept up on cut flowers better this spring than last year as department stores have not been active as they were then. Dormant rose plants to bed out were sold in many places. This year we notice many more window boxes put up in the downtown business section than ever before.

NOTES.

J. B. Pilkington, proprietor of the Northwestern Floral Co., reports a very good season in all lines, but rather slow collections. He will put several thousand peony blooms in cold storage, an experiment with his firm.

S. L. Harper has a specific for killing the white fly and other insects as well as fungus, mildew, etc. The preparation is harmless to foliage. A trial test on 250 acres of fruit trees proved it a success.

F. C. Smith, on C. street, has been somewhat annoyed by dust and dirt from remodeling of store rooms next to him, but the business up to date has been good.

John Watson talks of a change this season as soon as the lease runs out on the greenhouses he operates. He probably will build on a more convenient place.

The California Florists are very busy these days. They have many orders for out of town shipments.

Mrs. Watson reports better business than ever at both stores.

S. L. H.

In the Heart of New York
NEW FLOWER AND FRUIT STORE
JOHN S. NICHOLAS
42nd St. and Park Avenue New York City
Grand Central Terminal

The Old Established High Class Florist

Has opened a magnificent flower and fruit establishment on the Forty-second street side of the New Grand Central Terminal, New York City. The facilities of this store for the satisfactory execution of mail, telephone and telegraphic trade orders at steamers, and elsewhere in New York City and its suburbs are unsurpassed.

PHILIPS BROS, 938 Broad St.

NEWARK N. J.

Artistic Floral Work and Long Stem
Beauties Our Specialty.

Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
CANAL ST.

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Tacoma, Wash.

California Florists

will take care of all telegraphic orders.

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN

Wittbold's Bargain List.

Select What You Need From This List and Let Us Have Your Order as Early as Possible. This Stock is of Fine Quality and a Big Bargain at the Prices Quoted.

Boxwoods.

Obelisk, 5-ft.	Each, \$12.00
Globe Shaped -	
12-15-in.	Each, \$2.00 to 2.50
Globular, 3 ft.	Each, \$3.00
Pyramidal, 5 ft.	5.00
Bushes, 12-in.	.30

MISCELLANEOUS

Aucuba, large.	Each, \$3.00 to \$3.50
Aucuba Japonica, 2-ft.	1.00
Aucuba Type, 2-ft.	1.00
Conifers, assorted, 18-24 in.	1.00
3-3 1/4 ft.	1.50
Araucaria Excelsa -	Each Doz. Per 100
2-3 tiers.	\$.50
3-4 tiers.	.75
6-in., 4-5 tiers.	1.00 \$12.00
7-in., 4-5 tiers.	1.50 18.00
Arca Lutescens -	
3-in., 3 plants in a pot	2.00 15.00
6 in.	1.50
Asparagus Plumosus -	
2-in.	3.00
3-in.	6.00
Asparagus Sprengeri -	

BEDDING STOCK. Per 100

Geraniums, any variety.	\$ 8.00
Vinca Variegata, 4-in.	17.00
English Ivy, 4-in.	17.00
Nasturtiums, 3-in.	6.00
Petunias, 3-in.	6.00

WANTED

BOSTON FERNS, any size. Send samples or write and tell us what you have. Do it Now.

Bay Trees—Standard

Stem	Crown	Each
12-14-in.	18 in.	\$1.00
2 ft.	12-in.	\$4.00
2 ft.	18-in.	5.00
1-ft.	24-26-in.	6.00
3 ft.	20-22-in.	6.00
2 ft. 4-in.	24-28-in.	7.00
3-ft.	26-in.	7.00

PHOENIX ROEBELENI

Each	Doz.	Per 100
2 1/2-in.	\$ 2.00	\$15.00
3-in.	3.00	
4-in.	\$0.50	6.00
6-in.	12.00	
6-in. strong.	18.00	
7-in.	\$2.50 and 3.00	
Specimens, 7 in. extra strong.	4.00 each.	
8 in. extra strong.	5.00 each.	

PHOENIX RECLINATA

7-in., 24 in. high.	Doz., \$12.00
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Phoenix Canariensis

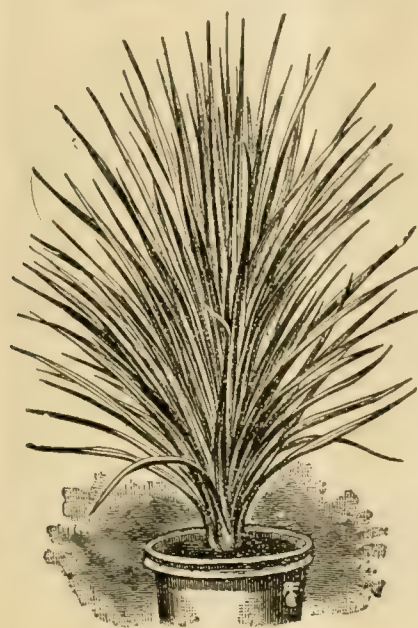
3-in., 3 ft. 6 in. high.	Each, \$3.00
8-in. tubs, 3 ft. high.	3.00
10-in. tubs, 4 ft. high.	6.00
10-in. tubs, 5 ft. high.	9.00
12-in. tubs, 6 ft. high.	15.00

KENTIA BELMOREANA.

Size	Leaves	Ht.	Each	Doz.	100
2-in.	4	8-in.		\$1.50	\$12.00
3-in.	4.5	8-10-in.		2.00	15.00
4-in.	4.5	12-in.		3.60	30.00
5-in.	5.6	15-18-in.		6.00	50.00
6-in.	6-7	20-22-in.	\$1.00	12.00	
6-in. strong.	5-6	18-20-in.	1.50	18.00	
7-in.	6-7	26-28-in.	2.00	24.00	
7-in. strong.	6-7	22-24 in.	2.50	30.00	
8-in.	6-7	36-40-in.	5.00		

COCOS WEDDELIANA.

2-in.	Doz. \$1.75; 100, \$14.00
Latania Borbonica -	
6-in.	\$9.00 Doz.
7-in.	\$12.00 Doz



DRACAENA INDIVISA

2-in., \$3.00 per 100; 3-in., \$5.00 per 100; 4-in. \$12.00 per 100. 5-in., \$3.00 per dozen, \$20.00 per 100; 6 in., \$6.00 per doz. 8-in., \$1.00 to \$1.50 each.

Boston Ferns.

6-in. pots, \$6.00 per doz.; 7-in. pots, \$9.00 per doz.; 8-in. pots, \$12.00 per doz.

The Geo. Wittbold Co. 737-39 Buckingham Pl. Chicago

—L. D. PHONE, GRACELAND 1112—

Bay and Box Trees

BAY TREES. These trees come in tubs.

Nothing can approach these handsome trees for decorating porches, piazzas, or hall entrances and they are largely used for stately effects in formal gardens.

Standard or Tree Shaped.

Stems	Crowns	24-in.	Each	Pair
36-in.	24-in.	\$ 7 00	\$13 00	
45-in.	26-in.	7 50	14 00	
45-in.	28-in.	8 00	15 00	
45-in.	30-in.	10 00	18 00	
48-in.	34-in.	12 00	22 00	
48-in.	40-in.	15 00	28 00	

Stems	Dwarf Standards.	Each	Pair
30-in.	Crowns 24-in.	\$ 7 00	\$13 00

Pyramidal Shaped.

Each	Pair
5 ft. high, 24-in. diameter at base..	\$ 8 00 \$15 00
6 ft. high, 26-in. diameter at base..	10 00 18 00

BOX TREES.

Prices on Pyramid and Globes include new green tubs. If wanted out of tubs we allow 10 per cent discount.

Pyramids.

Each	Pair	Each	Pair
2 1/2 ft. high.	\$2 00 \$3 75	3 1/2 ft. high.	\$3 50 \$6 00

Globe Shaped, Untrimmed.

Each	Pair
15 in. high, 15 in. dia.	\$2 00 \$3 75
18 in. high, 18 in. dia.	2 50 4 50

Bush Shaped. These do not come in tubs.

Each	Doz.	100
12 in.	\$0 40	\$4 00
18 in.	60	6 50
20 in.	75	8 00
24 in.	1 00	10 00

VAUGHAN'S SEED STORE

31 W. Randolph St., CHICAGO

43 Barclay St., NEW YORK

Greenhouses, Trial Grounds and Nurseries Western Springs, Ill.



STANDARD BAY TREE

AMERICAN SEED TRADE ASSOCIATION.

Thirty-First Annual Convention
Cleveland, O., June 25-26.

The Cleveland Convention.

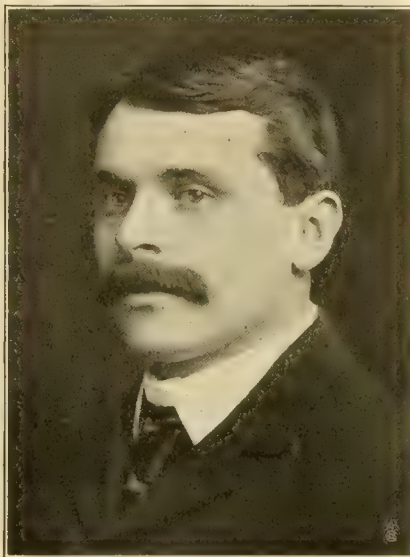
The thirty-first annual convention of the American Seed Trade Association opened auspiciously at Cleveland, O., June 24, with a good attendance, some 125 members being present when President Page called the meeting to order at 10:30. Mayor Baker gave the visitors a cordial welcome and his address was followed by that of the president. Papers were then presented as follows: "Are Standards of Purity Practicable in State Seed Laws?" by George S. Green (Illinois Seed Co.), Chicago; "Intensified Farming," by James J. Hill (formerly president Great Northern Ry.), St. Paul, Minn.; discussion, "Seed Grown Under Irrigation," led by J. C. Robinson, Waterloo, Neb.

The morning session was open and the afternoon session executive, when reports were presented by Attorney Smith and the auditing committee. The reception in the evening proved very enjoyable. After the morning session Wednesday the members will be given a sight seeing automobile trip.

President's Address.

President Page in making his annual address thanked the various officers and committees for the good results secured. He congratulated the seed trade on the past season's business which has proven fairly prosperous to most of the members. President Page also stated that the seed trade business is one of which every person may be proud. There is no other that can be compared with it in the amount of good accomplished for the benefit of the entire country. The seedsmen were the pioneers in searching the world over for new and improved varieties of grains and vegetables, and the farmers of the United States have had millions of dollars annually added to their crops through the advice of their seedsmen. He then spoke about legislation, and mentioned "The Seed Import Bill," which had already passed the house, but some very objectionable amendments have been added to it by the senate. This matter was looked after by the association's attorney, Curtis Nye Smith. He stated in brief that this bill was evidently prepared by one who was totally ignorant of trade conditions, and that it will require watching by the Seed Trade Association. He next explained Senator Bourne's parcel post bill, which increased the postage on catalogues in many cases to three or four times the amount now being paid. Every mail order advertiser in America, about seven thousand in all, received protests to this objectionable bill and the senators from every quarter were notified to oppose it. The president then reported on the state legislation, stating that 128 bills had been introduced in the various state legislatures which would affect the seed trade, and through the assistance of Attorney Curtis Nye Smith most of the objectionable bills were killed. He stated that death had removed from their ranks in the past year, Alexander L. Don, of New York, who was for many years a highly efficient secretary of the association; Jos. A. Bol-

giano, of Baltimore, Md.; F. A. Kendel, of Cleveland; Francis Brill, the veteran Long Island cabbage seed grower; Frank T. Emerson and William Ewing, of Montreal, Can. The president then closed his address with a number of recommendations for the benefit of the seed trade. He asked that during this convention everyone present take an active part in the discussions, and that each do whatever



C. E. Kendel.
American Seed Trade Association
Secretary and Treasurer.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.



BRASLAN SEED GROWERS CO., Inc.
SAN JOSE, CALIFORNIA

he could to further the interest in the meetings, so that when the meeting adjourns it may be agreed that they all had a pleasant and instructive convention.

Good Seed and Good Farming.

We present herewith a brief abstract of paper under the above title prepared by James J. Hill and read by one of the members of the association, Mr. Hill being unable to attend.

The total value of all farm production in the United States in 1912 is estimated by the federal Department of Agriculture to have been in excess of \$9,500,000,000.00. He then compared the average yield per acre of wheat, rye, oats, barley and potatoes of the United States with that of Germany, and stated that the average production per acre in Germany is about double that in the United States. He then spoke about seed grain and advised that it was best for the farmer to get the best seed that he can raise or buy, and every dollar which the farmer may find it necessary to spend in order to get the best will come back to him ten fold. The points the farmer should watch in selecting the seed grain are those, that it may be defective in quality, or it may be dirty. He then explained how to secure clean seed and when that is done the farmer ought to establish with equal care its germinating power. Iowa, under the lead of one of our most successful experts in corn-growing, has progressed remarkably along this line. As a result the yield per acre in that state in the ten years 1896-1905 was 32 4-10 bushels. It was 37 bushels in the census year, 1909, and jumped to 43 bushels in 1912. In conclusion, he stated that large and successful enterprises are conducted today on the theory that the best way to get and keep customers is to show them how to make money by dealing with you; that the

Established 1810.

Denaiffe & Son, CARIGNAN, NORTHERN FRANCE.

Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Alfred J. Brown Seed Co.,

Growers for the Trade

Grand Rapids, Michigan.

PEAS **BEANS**

CUCUMBER

We shall be pleased to quote you our prices for prompt or future shipment.

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers

SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS



ONION GROWING FOR SEED ON ONE OF PIETERS-WHEELER SEED COMPANY'S RANCHES.

California Seed Crops are very short. We expect, however, to have some small surpluses of Lettuce and Onions. Write for Prices.

PIETERS-WHEELER SEED COMPANY, Growers of High-Grade Seeds, PALO, ALTO, CAL.

Mention the American Florist when writing

more money you can help them to make, the more they will be willing and able to share with you. The way of better farming, more careful, more intelligent, more closely conformed to methods which are vouched for by the latest scientific experiments and which have also been, in their essentials, practiced by the best husbandmen for many years, is the way to a nationwide prosperity greater than this country has ever known.

Wholesale Grass Seed Dealers' Association.

The annual meeting of the Wholesale Grass Seed Dealers' Association was held at the Hotel Statler, Cleveland, O., June 23, President Reynolds in the chair. The officers for the ensuing year were elected as follows: A. E. Reynolds of Crabb, Reynolds & Taylor Co., Crawfordsville, Ind., president; C. C. Massie of Northrup, King & Co., Minneapolis, Minn., vice-president; John A. Smith of S. W. Flower & Co., Toledo, O., secretary.

California Sweet Peas.

Los Angeles, June 16.—From a recent inspection trip of the California sweet pea districts I figure the crop in the central part of the state, Santa Clara Valley and tributaries, as less than 25 per cent of a crop, Lompoc district not above 40 per cent, Los Angeles under 25 per cent. Taking acreage and stand all into consideration the California sweet pea crop looks like about one-third of a crop.

JOHN H. ALLAN SEED CO.

Growers of choice varieties of

Peas and Beans

Sheboygan, Wis.

Mention the American Florist when writing

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Mention the American Florist when writing

ONION SEED.

We are extensive Growers of
and Dealers in

CHOICE VARIETIES OF BOTH GLOBE AND FLAT.

SCHILDER BROS., Chillicothe, Ohio.

Mention the American Florist when writing

ANNOUNCEMENT.

In answer to numerous enquiries

THE NEW CARNATION

“GORGEOUS”

Will be grown, and disseminated simultaneously during **SEASON 1913-14.**

PACIFIC STATES—By MARTIN & FORBES, Portland, Oregon.

EASTERN STATES—By H. M. WEISS & SONS, Hatboro, Penna. PETER FISHER, Ellis, Mass.

Send for descriptive circular and price list, to any of the above firms and
Book Orders NOW to insure **EARLY** and **PROMPT DELIVERY.**

The Late Alexander E. Don.

AN APPRECIATION.

It is with a deep sense of personal loss in the death of an esteemed friend that I write these few words of appreciation of the life and character of the late Mr. Don. A man of sterling worth, of quiet and unassuming ways, firm on all points of honor and correct dealing in business, open and frank in his own conduct and requiring the same from others, Mr. Don held the confidence of his many friends in the seed trade. My acquaintance with him goes back to about 1888, after he had left the position which he held with Peter Henderson & Co. I have often heard William Meggat speak of the esteem in which the late Peter Henderson held Mr. Don. He became a member of the American Seed Trade Association in 1888, was elected secretary and treasurer in 1891, and continued in that office for seven years, declining re-election because of failing strength. His faithful work as secretary during those years was of great value to the trade, as that period was important in the life of the association. As a seed merchant he was a prudent and careful buyer, knowing stocks and sources of supply as but few knew them, always seeking and obtaining the best. His success in business gives ample proof of his ability and good judgment. During the later years his failing health made it necessary for others to take the immediate over-sight of the business, which he had so closely guarded, and it was for him a constant joy that he was permitted to see his sons established and carrying forward the business which had been his life work.

S. F. WILLARD.

Kentia Seed Industry.

The agent-general for New South Wales advises us that he is now in receipt of a communication from the government of New South Wales, acquainting him, at the instance of the Lord Howe Island board, of the arrangements which have been made for the management and control both of the affairs of the island and of the Kentia seed industry. The board desires that publicity may be given to the fact that the industry in question is now under government management and control, and free from monopoly

on the part of any person or persons who formerly controlled the trade.

The government has appointed the following gentlemen as a board of management and control: F. A. Coghlan, J. P., under secretary, chief secretary's department, Sydney (chairman); A. Salway, assistant under secretary, department of agriculture, Sydney, member; and H. V. Jackson of the department of Agriculture, Sydney, member. The board takes charge, under the terms of the authorities given it, of the island and the trade thereof. Palm seeds and other products of the island may be collected and sold only with the authority and by direction of the board.

The board has now successfully entered into the palm seed trade, and a number of orders for seed have already been executed by the board, with satisfactory results both to the islanders and to seedsmen. The fact that seedsmen are placing large orders with the board and that the residents of the island are unanimously supporting the policy adopted by the board, is sufficient warrant for the board being optimistic as to the regularity of the supply of island products in the future, and the general success of the palm seed industry. As a considerable quantity of the seeds and palms are exported to Great Britain and the continent of Europe, it is desirable that the future prospects of the industry should be generally made known, especially so by reason of the fact that the unsettled conditions of the industry prior to the inception of the board were calculated to deter English and continental nurserymen and others from sending orders to their Sydney agents.

The operations of the board have been confined to the execution of orders in Sydney, and in the fulfilment of those Sydney orders all seedsmen receive equal consideration, no monopoly is granted, and orders are received from any reputable firm which accepts the conditions of sale, payment being cash. Moreover, it has been determined by the board that the prices charged by it for the island products shall remain firm until the end of the present year, and the prices for next year shall be announced in October of the present year. This should enable seedsmen to place orders with some feeling of security. Any further inquiries in regard to this matter should be addressed to "The Lord Howe Island Board, Chief Secretary's Office, Sydney, New South Wales."—Hort. Trade Jour. (British).

Lily of the Valley Pips

WE have on hand a few cases of Lily of the Valley Pips, (3000 to case) Berlin and Hamburg, which we offer at **\$32.00 Per Case (of 3000).**

J.M. Thorburn & Co

53 Barclay St.

New York

Western Seed & Irrigation Co.

Wholesale Seed Growers and Dealers

SPECIALTIES:

Sweet, Flint and Dent Corn; Cucumber, Musk and Watermelon; Pumpkin and Squash.

FREMONT : NEBRASKA

LONG ISLAND CABBAGE.—A. Walter Brill, writing from Hempstead, June 2, says: "The heads wintered well and prospects are good for a fair crop."

PHILADELPHIA, PA. — Howard M. Earl on his return from California will leave for Europe on the S. S. United States, which sails from New York for Copenhagen July 3.

DUNKIRK, N. Y.—A loss of \$200,000, partly covered by insurance, resulted from a fire which destroyed the large factory of the Lake Shore Seed Co., June 17. An explosion in the basement started the blaze, which spread so rapidly the employes barely had time to escape.

AMONG those who stopped off at Chicago enroute to the Cleveland convention of the American Seed Trade Association this week were C. H. Coy of the C. Herbert Seed Co., Valley, Neb.; J. C. Robinson of the J. C. Robinson Seed Co., Waterloo, Neb.; J. S. Michael of the Sioux City Seed & Nursery Co., Sioux City, Ia.; W. B. Griswold of the Griswold Seed Co., Lincoln, Neb.; J. W. Edmundson of the California Seed Growers Co., San Jose, Calif., and J. W. Ratekin of the Ratekin Seed house, Shenandoah, Ia.



Pansy—Vaughan's Cut Flower Mixture.

Seeds for Summer Sowing.

Pansies.

Vaughan's Cut Flower Mixture. This mixture is put up by ourselves and contains mostly light colored sorts. We have sold this mixture for several seasons to some of our Chicago cut-flower growers, who have realized big returns from the sale of the flowers. Pansies are as easily grown as violets, require less care and bring better returns. Sow now for winter blooming. Trade pkt., 50c; $\frac{1}{8}$ oz., 85c; $\frac{1}{4}$ oz. \$1.40; oz. \$5.00.

Perennial Seeds.

	Trade pkt.	Oz.		Trade pkt.	Oz.
Campanula Calycanthema , mixed.....	\$0.20	\$1.20	Gaillardia , Kelway's Hybrids	\$0.50	\$5.00
Coreopsis Lanceolata	.10	.25	Hollyhocks , Chater's Double mixed ..	.15	.80
Delphinium , Kelway's Hybrids	.50	5.00	Poppy , Oriental scarlet	.10	.35
Dianthus Barbatus , special mixture.....	.25	1.00	Pyrethrum roseum hybridum grandiflorum	.25	2.00
Digitalis , Vaughan's special mixture ...	.15	.60	Stokesia Cyanea ...	.15	.85

Vaughan's Seed Store,

CHICAGO, ILL.

NEW YORK, N. Y.

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

ROEMER'S Superb Prize PANSIES

The finest strain of Pansies in the World. Introducer and Grower of all the leading Novelties. Highest Award International Exhibition, Dusseldorf, 1905. Catalogue free on application.

FRED. ROEMER, Seed Grower,
Quedlinberg, Germany

California Conditions.

San Jose, June 4.—Roughly estimated, a yield of 50 per cent of normal on all crops is expected from the present outlook. While irrigation where possible has in some instances improved individual varieties and should increase their yields, an average of 50 per cent on all crops will probably prove correct, owing to the almost complete failures of other individual varieties. All crops must still be subject to our usual hot weather yet to come. Hot winds at that time would necessarily make the already weakened plants suffer severely and might still further reduce this estimate. E. V. P.

ADVICES from Teneriffe are to the effect that the Canary Islands' onion crop is unusually large this season.

CHICAGO.—Prices on the Board of Trade June 25 for grass seed were noted as follows: Timothy, \$3.75 to \$5.00 per 100 pounds.

THE Chicago delegation to the Seed Trade Convention at Cleveland this week included George S. Greene, S. F. Leonard, L. H. Vaughan, Albert Heath, Wm. Rehm, Sam Sibley, W. W. Horsington and Kenneth Romie.



Charles Johnson

MARIETTA, PENNA.

Sole Agent for United States and Canada for

DENAIFFE & SON, CARIGNAN, FRANCE.

Wholesale Seed Growers on an Extensive
Scale of all the Popular and Standard
Varieties of

Beet, Mangel, Cabbage, Carrot, Kohl
Rabi, Leek, Lettuce, Onion, Parsley,
Parsnip, Rutabaga, Turnip.

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Best Stocks. All Varieties.

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VALLEY, Douglas County, Neb.

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Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

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SPECIALTIES.

Ageratum, Asters, Balsams, Bellis,
Carnation, Celosia, Centaurea, Cineraria,
Dahlia, Godetia, Heliotropium, Leucan-
temum, Matricaria, Pansies, Petunias,
Phloxes, Primulas, Reseda, Salvias,
Verbenas, Zinnias.

Double Petunias Mixture of all Varieties for
Exhibition Flowers, Trade Pkt., \$1.00.

The seeds offered are grown under my own per-
sonal attention and I guarantee the best ger-
mination.

For orders and price list, write to

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Sole Representative of FRANCESCO BULLERI

50 W. 30th St., New York.

Mention the American Florist when writing

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

Prices of Indoor Fruits and Vegetables.

Chicago, June 23.—Mushrooms, 30 cents to 50 cents per pound; lettuce, 17½ cents to 20 cents, small cases; radishes, 75 cents to \$1.00 per 100 bunches; cucumbers, 70 cents to 85 cents per box of two dozen; asparagus, 75 cents to \$2.25 for 24 bunches.

New York, June 21.—Cucumbers, 25 cents to 75 cents per dozen; mushrooms, 50 cents to \$1.50 per 4-pound basket; tomatoes, 5 cents to 10 cents per pound; radishes, 50 cents to \$1.00 per 100 bunches; rhubarb, 50 cents to \$1.00 per 100 bunches; lettuce, 50 cents to 75 cents per basket, crate or barrel.

Asparagus Notes.

An old rule with market gardeners is to stop cutting asparagus when peas come into market. This is a very good rule, as the time is right. The labor can be shifted from one to the other, and the one also take the place of the other at the table. At any rate we should cut no longer than July 1, as the increasing heat will soon exhaust the roots. Up to this time we should have cut clean everything, and just after stopping is a grand time for a clean up. There is nothing better than a cut away disc harrow lengthways and cross-ways, followed by a spike tooth-harrow.

Before these go on we should add our fertilizer, if any. There is no question that fertilizers are more desirable than manure in many places, as they contain no weed seeds. Probably the most important requisite is potash; it can be used in the cheaper forms, such as muriate and kainit as a little salt will not hurt the asparagus. Some growers use kainit only and heavily, say 1,000 pounds to the acre. A complete potato fertilizer of about 4-8-10 make-up would suit more cases than potash only. Asparagus is a gross feeder and the results next year depend on our present treatment. There is no danger of overfeeding an old patch.

MARKETMAN.

BETHAYRES, PA.—N. A. Stockton is building a new greenhouse.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

trade Mark. American Spawn Co., St. Paul, Minn.

Vegetable Plants.

CELERY—Golden Self Blanching, 40c per 100; \$2.50 per 1000.

White Plume, Golden Heart, Giant Pascal, 20 cents per 100; \$1.00 per 1000.

PARSLEY—25 cents per 100; \$12.50 per 1000.

CABBAGE—Allhead, Ballhead, Flat Dutch, Savoy, 20 cents per 100; \$1.00 per 1000.

R. VINCENT, JR., & SONS CO., WHITE MARSH, MD.



"Superb Quality" Seeds for Florists

The Storrs & Harrison Co.'s Superb Mixture of GIANT PANSY SEED

contains the Ultimate in Giant Pansies
You cannot buy a better mixture of
Pansy Seed at any price.

Trade Pkt., 50c.; ¼-oz., \$1.25; oz., \$4

We carry in stock all named and separate colors of Giant Pansies; also the best strains of Oclier, Cassier, Bugnots, Trimardeau, etc. (See our trade list for prices).

CINERARIA GRANDIFLORA, Mixed (A magnificent strain.) BELLIS PERENNIS (English Daisy) Trade packet, \$1.00.

Longfellow (Red), Snowball (white), tr. pkt., 35c; Mixed Colors, tr. pkt., 25c.

ALL OTHER SEASONABLE SEEDS

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This "Trade Mark" is the symbol of
60 years of Satisfactory Service.

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Painesville, Ohio



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HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per cm., or \$1.75 per ¼ oz., \$1 per ¼ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Mention the American Florist when writing

Primula Obconica, strong plants, in bud and bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengeri, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

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and Vegetable Co.

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"Eventually -- Why Not Now"

IS THE WAY A CERTAIN ARTICLE IS WIDELY ADVERTISED.
 "Eventually" You will have to Grow "MRS. GEO. SHAWYER ROSE."

Why not buy a few plants "Now," when we can deliver the same in first class condition for immediate planting, 4-in. stock at \$30.00 per 100; \$250.00 per 1000.

Milady, the new red. Own root stock. \$30.00 per 100; \$250.00 per 1000. **Pink** and **White Killarney**, **Richmond**, **Taft**, **My Maryland**, **American Beauty**, 4-in. stock, \$12.00 per 100; 3-in. stock, \$10.00 per 100. **Bon Silene** 3-in. stock, \$10.00 per 100.

Chrysanthemums

The "Cap Family," and other varieties equally adapted for pot plants at \$10.00 per 100.

POMPOMS. Our selection, \$3.00 per 100; \$25.00 per 1000.

STANDARD VARIETIES. **Unaka**, **Gloria**, **Col. Appleton**, **Wells' Late Pink**, etc., etc., \$25.00 per 1000 for 2½-in. pot plants.

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Vaughan's Raffia

Imported by us
 direct from
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We offer two grades
 both good value, viz.:
FLORISTS', Special
REGULAR

Write today for Prices.

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 NEW YORK CHICAGO

Geraniums and Asters

Summer prices for good strong-rooted cuttings of Geraniums, **Ricard**, \$12.50; **Nutt** and **Poltevine**, \$10.00 per 1000.

Asters, shell pink, white and rose at \$3.00 per 1000, mixed at \$2.50 per 1000.

Smilax, Extra fine this season—\$1.50 per 100; 250 or over at \$1.25 per 100.

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THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

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Move your Surplus Stock Now by
 Advertising in The American Florist

AMERICAN ASSOCIATION OF NURSERYMEN.

Cleveland, O., Selected as Place of Next Meeting, 1914.

J. B. Pilkington Elected President.

The Portland Convention.

The American Association of Nurserymen and the Pacific Coast Association of Nurserymen met jointly in annual convention at Portland, Ore., June 18-20. The visitors were welcomed by Joseph N. Teal, representing Governor West, and by Tom Richardson, on behalf of Mayor Rushlight. John B. Morey of Dansville, N. Y., responded for the American Association of Nurserymen in a few felicitous words and P. A. Dix of Roy, Utah, acknowledged the compliment extended to the Pacific Coast Nurserymen. This was the first time the American Association had ever met west of the Rockies and also the first time the meeting was held in conjunction with the Pacific Coast Association. About 350 members and friends were in attendance. The annual address of President Thomas Meehan of the American Association and President Albert Brownell of the Pacific Coast Association, followed the welcoming ceremonies, after which routine business was attended to.

The Pacific Coast Nurserymen elected the following officers to serve for the ensuing year: Richard Layritz, Victoria, B. C., president; John Valance, Oakland, Calif., C. F. Lansing, Salem, Ore., D. J. Tighe, Billings, Mont., F. A. Wiggins, Toppenish, Wash., Chas. L. Trotter, Vancouver, B. C., Byron Smith, Safford, Ariz., and Carl E. Wright, Kimberly, Idaho, vice-presidents, each to represent his own state; C. A. Tonneson, secretary and treasurer (re-elected). The next meeting of the Pacific Coast Nurserymen will be held at Vancouver, B. C. New members of the executive committee are Chas. L. Trotter, A. R. McDougal, New Westminster, B. C., F. R. E. De Hart, Kelowna, B. C.

President Meehan spoke of the need of proper federal and state laws on the regulation of the growth and distribution of nursery products. "We are successfully rid of the government free seed distribution," said Mr. Meehan, "but we still have the activities of the national nurseries to consider and contend with. These nurseries advertise to ship for cost. This is a detriment to our business and it seems that there should be no more reason for such competition in our lines than in any other business or industry."

J. McHutchinson, chairman of the American Association of Nurserymen membership committee, reported an increase of 100 members within the past year, and said that later additions would swell the entire membership to 500. He was voted the thanks of the association for his work.

Both the federal forestry service and the Board of Horticulture were severely censured in the first two days' meetings. J. McHutchinson in his paper on the "Workings and Results of the Federal Horticultural Law," pointed out some of the law's shortcomings. Too much power was complained of. Mr. McHutchinson told of the fight the nurserymen made and of the resultant modification in the act, but said that many features were yet bad. He declared that the drastic quarantine provisions increased the cost of imported

nursery stock to the ultimate consumer.

Geo. C. Roeding of Fresno, Calif., in his able paper on "Horticultural Laws," advocated a universal inspection law that would be a benefit to all and not a detriment. Other interesting talks of the first two days were made by M. L. Dean, state horticulturist of Montana, W. H. Stark, Nevada, Mo., and W. K. Newell, Gaston, Ore.

The last day of the meeting, Friday, June 20, the election of officers was



John Hall.

Secretary American Association of Nurserymen.

held and the place of the 1914 meeting selected by the American Association. J. B. Pilkington, Portland, Ore., already vice-president, was elected president without opposition. John Hall was continued as secretary for another year. The committee's recommendation that the next year's convention be held in Cleveland, O., was adopted viva voce. The selection of Mr. Pilkington was a most appropriate one and was made by a rising vote of the convention assembly and upon the unanimous indorsement of the nominating committee, representing 19 states. The popularity of this choice was attested by the prolonged ap-

plause which followed the announcement of the vote.

Mr. Pilkington tried to avoid making a formal speech and was slipping out of the door of the convention hall when President Thomas B. Meehan appointed George C. Roedding sergeant-at-arms, and Mr. Roedding grabbed the future president and escorted him to the stage. Mr. Pilkington's speech of acceptance and acknowledgment of the high compliment was a clever one and pleased the audience. His selection was certainly due him as a man who has the best interests of the association at heart and one who is willing to work unselfishly to further those interests and to the good of the nursery trade in general. The Portland Evening Telegram contains the following in reference to the American Association's president-elect:

"This high compliment paid to Mr. Pilkington is merely a recognition of the great influence he has had in the deliberations not only of the Pacific Coast Association, but also in the parent or national body. It was he who went back to Boston last year and literally dragged the 1913 convention clear across the continent to the Rose City, the first time in the 38 years of its history that it had even gone west of the Rockies. Later he went down to Salt Lake and hypnotized the Pacific Coast Association and got it to select Portland as the 1913 meeting place. He further pulled the strings so that the two big organizations would meet jointly—something that has never been done before."

The re-election of John Hall, Rochester, N. Y., as secretary of the association needs no comment, just as Mr. Hall needs no introduction to the nurserymen of America. Mr. Hall has already served in this position, and his re-election was an appropriate recognition of his fitness for the position. Chas. J. Maloy, Rochester, N. Y., was again elected treasurer, another compliment which was well deserved. Mr. Maloy's period in office has demonstrated his choice to be an excellent one. The reports of the secretary and the treasurer were made Friday morning and showed the association to be in a remarkably flourishing condition.

The members of the two associations and their friends were the guests Friday of the Oregon Nursery Co. on a trolley trip to their nurseries at Orenco, where lunch was served at 1 p. m. The nurseries were later inspected and the visitors then returned to Portland. An excursion and banquet on the Columbia river was given by local nurserymen to their visitors Saturday. The trip and the scenery were much enjoyed.

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Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Spring Bulbs and Roots, Conifers, Pines.

ENGLISH IVY.

4 ft. bushy, 4 inch pots.....\$15.00 per 100
4 and 5 ft. bushy, 4½ inch pots 20.00 per 100

Good value for window effect.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS, NURSERYMEN
and FLORISTS

RUTHERFORD, N. J.

Secretary Hall's Report.

We have approached this convention with considerable anxiety from the fact that a peculiar combination of circumstances has prevented very many of our members from attending this anniversary. One of the main explanations for this condition is that the meetings of the association, it is claimed, are held at an inopportune time. The spring packing season has barely closed by the time for which this annual gathering is scheduled, and the work which follows the packing season demands such close attention that members cannot leave home without incurring loss. Besides, they have no intelligent idea at that early date of what stock they have on hand and what their future wants will be. Quite a number of members have expressed themselves as favoring a later date, suggestions varying from two weeks to two months later than the constitutional date.

Then, too, the Panama-Pacific International Exposition of 1915 in San Francisco is claiming the attention of many members to the extent of their letting this convention pass. There are still others who have planned to be present who are prevented from doing so by sickness, either of themselves or members of their families. There is also a strong feeling that the annual convention should be held at some more central point or points which will be reasonably easy of access to members from all directions.

Never, in the history of the association, have the receipts of the secretary been so large as this year. We report a total income of over \$3,300, and we hope to receive at this convention a number of new members. Another feature which gives us pleasure to mention is the large addition which has been made to the membership through the earnest efforts of James McHutchison, who was appointed a committee for this purpose by President Meehan.

The grim reaper has again been busy among us, and in the latter half of the year 1912 the losses sustained were very severe.

June 17—George S. Josselyn died at his home in Fredonia, N. Y., aged 70 years. "Papa Josselyn" will live in the memory of members not alone as an enterprising nurseryman, but also for his excellent personal qualities.

July 26—Michael H. Golden, president of the Genesee Valley Nurseries, died in Rochester, N. Y.

August 10—Prof. John Craig, who was at the head of the Department of Horticulture in Cornell University, died at Siasconset, Mass., in his forty-eighth year. We were able to make record of this in the 1912 annual report.

September 14—Charles L. Yates, died somewhat suddenly at his home in Rochester, N. Y., aged 65 years. Mr. Yates was for many years the treasurer of this association. He was also business manager of the "National Nurseryman," the official organ of this association, and Prof. Craig was editor of the same publication. It was a singular coincidence that the deaths of these two men should have come so near together.

September 27—John Chase, Derry Village, New Hampshire, died, aged 80 years. He first became a member of this association in 1895.

LILIES

For Summer Bloom.



Make the Empty Benches Pay By Growing
a Case of Each.

Lilium Rubrum.

8-9-in. (170 to case) per case, \$8.50
9-11-in. (100 to case) per case, 8.00

Lilium Album.

9-11-in. (100 to case) per case \$11.00

Lilium Giganteum.

9-10-in. (200 to case) per case.....\$17.00

VAUGHAN'S SEED STORE,
CHICAGO NEW YORK

Mention the American Florist when writing

November 13—George Allen Sweet, Dansville, N. Y., was called home at the age of 68.

November 29—Charles Dingee, West Chester, Pa., passed away in his eighty-eighth year.

February 16, 1913—William D. Ellwanger, son of the late George Ellwanger, and president of the Ellwanger & Barry nurseries, passed away at the age of 59 at his home in Rochester, N. Y.

May 29, 1913—Martha G. Lear, secretary of the Morris Nursery Co., West Chester, Pa. This lady has usually been present in our annual gatherings, and with your secretary and Prof. Craig, occupied the same automobile in our visit to the Sargent

Arboretum at Boston, Mass., last year.

T. V. Munson, Denison, Texas, also died during the year.

FINANCIAL STATEMENT.

1912.
Dec. 5. Bal. from member-
ships, etc.\$ 288.75

1913.
June 6. Memberships, ad-
vertisements, etc. \$3,025.40
\$3,314.15

DISBURSEMENTS.

1912.
Dec. 5. C. J. Maloy, Treas. \$ 288.75

1913.
May 1. C. J. Maloy, Treas. 1,000.00
June 6. C. J. Maloy, Treas. 1,000.00
Bal. in bank and
on hand 125.40

\$3,314.15
JOHN HALL, Sec'y.
C. J. Maloy, Treas., reports
Receipts, \$3,314.15; disbursements, \$3,203.87;
bal. on hand, \$6,316.79.

Florists' Fertilizers

Conducted by F. W. Muncie,
Dept. of Floriculture, University of Illinois.
Inquiries regarding fertilizers and manures
are solicited for this department. Address
all inquiries to THE AMERICAN FLORIST,
440 South Dearborn street, Chicago.

The Use of Lime.

For the purpose of correcting the sourness of the soils provided they give the test with litmus papers, lime of some sort should be applied. There are two kinds of limestone, the ordinary limestone composed of carbonate of calcium and dolomitic limestone, which is a mixture of calcium and magnesium carbonates. The quarries at Chester and other places in the south half of Illinois contain calcium limestone, while Kankakee limestone and in general all limestones from the northern part of Illinois, Indiana and Ohio are dolomitic. Dolomitic limestone is much less soluble in soil water than calcium limestone, and for that reason its effects will not be seen so quickly as those from the latter. To secure immediate results, therefore, calcium limestone is preferred, but for correcting acidity in the field dolomitic is not so liable to be lost by leaching of rains and it has about 10 per cent more efficiency in correcting sourness than calcium limestone.

The question of freight rate is an important one in this connection and in case dolomite can be secured much cheaper than the other form no harmful results will follow from using it. In either case, in order to secure quick results, limestone should be applied in the form of a fine powder, the larger part passing through a 100-mesh sieve. In addition to limestones, quicklime and quicklime slaked in the air (air-slaked) or with water (water slaked) may be used for the purpose of correcting sourness. Fifty-six pounds of quicklime or 74 pounds of water-slaked lime have the same efficiency in correcting sourness as 100 pounds of limestone. This means that about one-third to one-half is saved in transportation charges, for only two-thirds or one-half as much need be applied to get the same results, and this fact, in case the amount bought is large, would argue in favor of its use.

Quicklime has a marked caustic action on organic matter, decomposing it and making the nitrogen-containing materials soluble in water. For this reason, more nutriment can be secured from organic matter in a short time by its use than by the use of limestone. For this reason, also, lime should never be mixed with manure or any organic fertilizer that is not to be used at once (such as guano, tankage and dried blood), because it will be decomposed and lost. Quicklime made from dolomite has a marked toxic action on plant growth if used in very large amounts, and should, if used, be applied cautiously. Lime and limestones supply calcium which is needed by the plant, and also cause the liberation of potassium from the soil, making it soluble in soil water and so usable by the plant. No harmful effects follow the use of limestones up to 50 or 100 tons an acre (corresponding to 200 and 400 pounds each 100 square feet of bench space), but it seems unnecessary to

NORTH CAROLINA NATURAL PEACH PITS.

We have a limited stock of 1912 crop. The seed have been kept in good storage and are in first-class condition, and are all genuine North Carolina natural pits.

Write Us for Prices.

J. K. MORRISON GRO. & PRO. CO., Statesville, N. C.
Successors to Morrison Prod. & Prov. Co.

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Wholesale growers for the trade—
trees and plants of all kinds.

SEND FOR LIST.

ROSE BUYERS

Please note that we will mail you a free copy of our Wholesale Trade Catalogue containing descriptions and prices of hundreds of rose trees including very newest varieties. Kindly send for same from

THE EAST END NURSERIES CO.,
Rose Specialists, BOSKOOP, HOLLAND.

Christmas Peppers

New Cluster Pepper, Branching New Cluster Pepper, Celestial Pepper & Solanum Melvini. Strong plants, 2½-in. pots, \$3.00 per 100; \$25.00 per 1000. 500 or more at 1000 rates.

CHRYSANTHEMUMS—All the best varieties for bush form pot plants. Strong plants from 2½-inch pots, \$3.00 per 100. Cash with order.

Frank Oechslein, 4911 Quincy St. CHICAGO.

WANTED ECHEVERIAS

State kind, quantity and price.

JOHN G. HEINL & SON,
129 S. Seventh St., TERRE HAUTE, IND.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

apply such large quantities. About 25 pounds a 100 square feet of bench space (corresponding to a fairly light sprinkling) of ground limestone has been found satisfactory at the University of Illinois greenhouses. Quicklime must be used more cautiously but no harmful effects will be seen from a light sprinkling.

The following precautions should be observed in the use of lime:

- (1) It should never be mixed with manures or fertilizers containing organic residues (such as manure, guano, dried blood) nor with ammonium sulphate, unless the mixture is to be used immediately. In the latter case lime will hasten the fertilizing action.
- (2) It should not be mixed with acid fertilizers (such as acid phosphate, super-phosphate), in any case.
- (3) Potash salts and kainit cake when mixed with lime should not be allowed to stand long after mixing.
- (4) Lime may safely be mixed at any time with Thomas or basic slag phosphate, lime nitrogen, nitrate of soda or lime nitrate.

Lime is best applied as a sprinkling on the surface of the benches (rather than worked into the soil), and washed in during watering. A light sprinkling three or four times a year is preferable to a single large application.

F. W. MUNCIE.

Bedding Plants

	Doz.	100
Dracaena Indivisa , 6-in.....	\$4.00	\$30.00
Rex Begonias , 2½-in.....	.50	3.00
Fuchsias , 2½-in.....	.35	2.50
English Ivy , 2½-in.....	.40	3.00
English Ivy , 3-in.....	.75	5.00
Salvia Splendens , 2½-in.....	.40	3.00
Salvia Clara Bedman , 2½-in...	.40	3.00
Asparagus Sprengeri , 2½-in...	.40	3.00
Extra Fine Stock	Strong Healthy Plants	
Perennial Flower Seeds	Field Seeds	

James Vick's Sons
ROCHESTER, N. Y.

HOLLYHOCKS

In assorted colors, \$40 per 1000

Hardy Chrysanthemums

In best varieties. Clumps, \$5 per 1000
Strong plants from 2½ inch pots, \$3.00 per 100.

A General Variety of HERBACEOUS PERENNIALS from 2½-inch pots.

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Mention the American Florist when writing.

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Roses See prices
Page 1236
June 21st.

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To make room in our houses we offer Plumosus Asparagus, extra fine, heavy plants, 3-in., \$4 per 100. Sprengeri, 3-in., \$3.50 per 100. Wagner Park Conservatories, Sidney, O.

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Asparagus Sprengeri, 2½-in., \$2.50 per 100; \$20 per 1,000; 3-in., 6c. Erie Floral Co., Erie, Pa.

Asparagus plumosus nanus, 3½-in., \$8 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Asparagus plumosus and Sprengeri, 2½-in., \$3 per 100; \$25 per 1,000. James Vick's Sons, Rochester, N. Y.

Asparagus plumosus and Sprengeri, 2½-in., \$2 per 100; \$15 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$2 per 100; Sprengeri, \$2. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

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Bay trees and box trees, all sizes and prices. List on application. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS.

Bedding plants: Crego asters, 2½-in., \$3 per 100; \$25 per 1,000. Begonia Vernon and Erford, 4-in., \$7 per 100; 3-in., \$5; 2½-in., \$3; 5½-in., 25c each. Ampelopsis Veitchii, 15c to 25c each. Heliotrope, 4-in., 7c. Ageratum, 4-in., 7c. Honeysuckle, Halleana, Chinese, 4-in., 10c. Fuchsias, assorted, 4-in., 7c. Lemon Verbenas, 4-in., 7c. Zinnia elegans, 2½-in., 3c. Snapdragons, 2½-in., \$3 per 100. Nasturtiums, 4-in., \$6 per 100; Empress of India, 4-in., \$7 per 100. Cannas, named separate colors, 7c to 10c; King Humbert, 4-in., 8c to 10c. Phlox, Drummond, 2½-in., \$3 per 100. Verbenas, asst., 2½-in., \$3 per 100. Petunias, California Giants, 3-in., \$5 per 100; dbl. assorted, 4-in., 7c; Inimitable, dwf. Compacta, \$3 per 100. Marigold, \$3 per 100. Coleus, Verschaffelti, Golden Bedder, Victoria, 2½-in., \$3 per 100; Brilliance, 4-in., 3c. Thunbergia, 2½-in., \$3 per 100. Lobelia Crystal Palace, \$3 per 100. Geraniums, 4-in., Nutt. Buchner, E. G. Hill, Beaute Poitevine, and asst. colors; Scarlet Sage, Bonfire and Zurich, 4-in., \$7 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Bedding stock: Antirrhinum, 2-in., \$2 per 100. Ageratum, Little Blue Star, 2-in., \$2 per 100; 3-in., \$4 per 100. Begonia Luminosa, 2-in., \$2 per 100; Prince Dona, Vernon, Fairy Queen, 2-in., \$2 per 100. Coleus Verschaffelti, Golden Bedder, Black Prince, Anna Pfister, John Pfister, 2-in., \$2 per 100. Cosmos, asst., 2-in., \$2 per 100. Abutilon Savitzki, 2-in., \$4 per 100; 3-in., \$5. Heliotrope, mauve, mixed, 2-in., \$2 per 100. Marguerites, Queen Alexandra, 2½-in., \$3 per 100; Mrs. Sanders, 2½-in., \$3 per 100. Moonvine, blue and white, 2-in., \$3 per 100. Smilax, \$3 per 100; \$25 per 1,000. Thunbergia, black eyed Susan, 2-in., \$2 per 100. Weeping lantanas, 2-in., \$3 per 100. Verbenas, white, \$2 per 100. Vaughan's Seed Store, Chicago and New York.

Bedding plants, from 2½-in. pots, \$3 per 100: Asparagus Sprengeri, parlor ivy; Phlox Drummond, dwf.; ageratum; euonymus radicans var.; euonymus Golden var.; Hydrangea Otaka; bridal myrtle; Swainsona alba; artilery plant; Coleus Verschaffelti, Golden Bedder; Moonvine, large white; lemon verbenas. Plants from 3-in. pots, \$4 per 100. Ampelopsis Veitchii, ivy, hardy English; Passion vine, C. Etsele, 11th and Westmoreland sts., Philadelphia.

BEDDING PLANTS.

	Doz.	100.
Dracena indivisa, 6-in.	\$4.00	\$30.00
Rev Begonias, 2½-in.	.50	3.00
Fuchsias, 2½-in.	.35	2.50
English ivy, 2½-in.	.40	3.00
English ivy, 3-in.	.75	5.00
Salvia Splendens, 2½-in.	.40	3.00
Salvia Clara Bedman, 2½-in.	.40	3.00
Asparagus Sprengeri, 2½-in.	.40	3.00

JAS. VICK'S SONS, Rochester, N. Y.

BEDDING OUT PLANTS.

Ricard, Hill, Nutt, Poitevine geraniums, 4-in., 5c; 6-in., 20c. Coleus, Verbenas and alyssum, 2½-in. pots, 2½c; \$20 per 1,000. Geo. E. Bigler, 710 N. 28th St., Camden, N. J.

Bedding plants: Coleus, althernantheras, red and yellow; cigar plant, Ageratum, blue; Verbena, heliotrope, Salvia Zurich, asters, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

Coleus, althernantheras and other bedding plants, R. Vincent, Jr. & Sons Co., White Marsh, Md.

Bedding plants: Geraniums, 4-in., S. A. Nutt, Dbl. Grant, Jean Vlaud, also rose, \$8 per 100. Cannas, Beaute de Poitevine, Pierson's Premier, Mlle. Berat, L. Patry, etc., 4-in., \$5 per 100. Caladium esculentum, 5-in., and 6-in., \$1.50 per doz. Heliotrope, 2½-in. pots, \$3 per 100; strong 3½-in., \$6 per 100. Salvia, 2½-in., \$3 per 100. Nasturtiums, 3-in., \$4 per 100. Coleus, Firebrand and assorted vars., 2½-in., \$3 per 100. Marguerites or daisies in bloom, 2½-in., \$4 per 100. Lobelias, 2½-in., \$3 per 100. English ivy, 3½ and 4-in., \$10 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Geraniums, S. A. Nutt, Buchner, bud and bloom, stocky 3½-in., \$6 per 100; 2½-in., Nutt, \$2.50 per 100. Salvia, 2½-in., nice plants, \$2.50 per 100. Petunias, 3½-in. stocky, Dreer's double fringed seedlings, budded, \$6 per 100. C. V. Hike, Cortland, N. Y.

Bedding plants: Geraniums, any variety, \$8 per 100. Vinca var., 4-in., \$17 per 100. English ivy, 4-in., \$17 per 100. Nasturtiums, 3-in., \$6 per 100. Petunias, 3-in., \$6 per 100. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Bedding plants: Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, Coleus, Alternantheras, Ageratum, Verbenas, Salvias, Aster, 2-in., \$2 per 100. Geo. M. Emmans, Newton, N. J.

BEGONIAS.

Begonia Lorraine and Glory of Cincinnati, 2½-in. pots, leaf cuttings, immediate delivery. Julius Roehrs Co., Rutherford, N. J.

BOUVARDIAS.

Bouvardias, red, pink and white, 2-in. pots, \$3 per 100. Henry Smith, Florist, Grand Rapids, Mich.

BERRIED PLANTS.

BERRIED PLANTS.

Jerusalem cherries for field planting, strong, 2½-in., \$3 per 100; \$25 per 1,000.

Fra Diavola, a fine plant to grow in field for Xmas sales; full of berries, \$3 per 100; \$25 per 1,000.

Cluster Peppers, strong 2½-in., \$3 per 100. Celestial Peppers, an indispensable Xmas plant, strong, 2½-in., \$3 per 100; \$25 per 1,000.

POEHLMANN BROS. CO., Ill. Morton Grove,

BOXWOOD.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods, obelisk, 5-ft., \$12 each. Globe shaped, 12-15-in., \$2 to \$2.50 each; 20-24-in., \$4.50. Bushes, 12-in., 30c each. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Wagner Park Conservatories, Sidney, O.

BULBS.

Gladioli. A good mixture, \$1 per 100; \$9 per 1,000. Choice Florists' mixture, white, light and pink, \$1.75 per 100; \$16 per 1,000. Pink Augusta, best forcing pink, \$2.25 per 100; \$20 per 1,000. Cash, 25c at 1,000 rates. Also America, Augusta, Francis King, Mme. Moneret, Klondike, George Paul, etc. Send for price list. STEVEN'S GLADIOLI CO., Saginaw, W. S. Mich.

Bulbs, freesia, No. 1, ½-in. and up, \$5.50 per 1,000; No. 2, ¾-in. and up, \$3.50 per 1,000. Morris & Snow Seed Co., 425 S. Main St., Los Angeles, Calif.

Bulbs, Lilium multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Bulbs, cold storage Giganteums, 7-9-in., 8-9-in., and 9-10-in. Yokohama Nursery Co., Ltd., 51 Barclay St., New York.

Bulbs. S. S. Skidelsky & Co., 1215 Beta Bldg., Philadelphia.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

CALLAS.

GODFREY CALLAS.

2½-in., \$4.00 per 100.

CONARD & JONES CO.,

WEST GROVE, PENNSYLVANIA.

CANNAS.

IMPROVED CANNAS.

Sixty varieties, healthy plants ready for delivery. Please send for list. King Humbert Canna plants ready for delivery, price \$9 per 100. THE CONARD & JONES COMPANY, West Grove, Pa.

10,000 potted cannas, 25 leading varieties, \$5 per 100 and up; lots of Humbert and Wm. Sander, 25,000 seasonal bedding plants, 2½ and 3-in. 200,000 R. C. chrysanthemums, \$15 per 1,000. Lists free. Benj. Connell, Florist, Merchantville, N. J.

Cannas, 3-in. pots, good sorts, \$3 per 100; \$25 per 1,000. King Humbert, \$5 per 100; \$40 per 1,000. R. Vincent, Jr. & Sons, White Marsh, Md.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Canna King Humbert, fine 3-in., \$10 per 100. Henderson, Alemania, Wallace, \$5 per 100. Cash please. Harry Hehl, West Toledo, O.

Cannas, Henderson, Kate Gray, Austria, Italia, Allemania, Egandale, 4-in., 3c. Memphis Floral Co., Memphis, Tenn.

Cannas, A. Bouvier, 3-in., \$5 per 100. Erie Floral Co., Erie, Pa.

CARNATIONS.

Carnations, from 2-in. pots: Rosette, St. Nicholas, Benora, \$6 per 100. White Perfection, White Enchantress, Scarlet Glow, \$3 per 100. F. Dorner & Sons Co., Lafayette, Ind.

CARNATION PLANTS FOR SALE.

A nice stock of healthy carnation plants for sale consisting of White Enchantress, Pink Enchantress, White Perfection, Bonfire, etc. Grower has no use for them. Address Key 859, care American Florist.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Dailedouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

Carnation "Gorgeous," orders booked now by Martin & Forbes, Portland, Ore.; H. M. Weiss & Sons, Hatboro, Pa.; Peter Fisher, Ellis, Mass.

Carnation Princess Dagmar, \$12 per 100; \$100 per 1,000. Patten & Co., Tewksbury, Mass.

Carnation The Herald, the new scarlet. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, chrysanthemums. S. S. Skidelsky & Co., 1215 Beta Bldg., Philadelphia.

Carnations. Wood Bros., Fishkill, N. Y.

Carnations. J. L. Dillon, Bloomsburg, Pa.

CENTAUREAS.

Centaurea Gymnocarpa, 2-in., 1½c. Memphis Floral Co., Memphis, Tenn.

CHRYSANTEMUMS.

CHRYSANTEMUMS.

STRICTLY FIRST-CLASS STOCK.

PINK GEM, 2-in. pots, \$5 per 100; rooted cuttings, \$4 per 100.

CHRYSOLOLA, 2-in. pots, \$4 per 100; \$35 per 1,000.

DONATELLA, YELLOW IVORY, GLORIA, MAJOR BONNAFFON, NAGOYA, POLLY ROSE, ROMAN GOLD, PATTY, SMITH'S ADHELEN FRICK, 2-in. pots, \$3 per 100; \$25 per 1,000; rooted cuttings, \$2.50 per 100; \$20 per 1,000.

POMPONS, ANEMONES, SINGLES and EXHIBITIONS.

Not less than 25 of a kind at 100, 250 of a kind at 1,000 rate. Those desiring less than 25 plants of a kind will be quoted on application. For type, color and flowering season refer to our 1913 catalogue.

ELMER D. SMITH & CO., ADRIAN, MICH.

POMPONS OUT OF 2½-INCH POTS.

Sonovia, early yellow, \$2.00
Baby Mum, yellow, 2.00
Quindola, yellow, 2.00
Klondyke, yellow, 2.00
Lulu, white, 2.00
Mrs. F. Ben, bronze, 2.00
Cash with order or C. O. D.

JOS. SCHOOS,

519 Asbury Ave. Evanston, Ill.

HEADQUARTERS.

Chrysanthemums, Rooted Cuttings.

WHITE. Per 100

Snow Queen \$2.00

YELLOW. 2.00

Hallday 2.00

PINK. 2.00

Maud Dean 2.00

Rosiere 2.00

Dr. Enguehard 2.00

POMPONS.

WHITE. Per 100

Diana \$2.00

Baby Margaret 2.00

Lulu 2.00

YELLOW. 2.00

Baby 2.00

Pretoria 2.00

PINK. 2.00

Ladysmith 2.00

CUT BACK CHRYSANTEMUM PLANTS.

WHITE. Each

Emberta .2c

Snow Queen .2c

Lynwood Hall .2½c

Mrs. Chas. Razer .2½c

Mrs. Buckbee .2c

YELLOW. 2c

Golden Eagle .2c

Hallday .2c

Nagoya .2c

Appleton .2c

PINK. 2c

Dr. Enguehard .2c

Maud Dean .2c

Rosette .2c

RED. 2c

Intensity 2c

CUT BACK POMPONS.

WHITE. Each

Baby Margaret .2c

Diana .2c

YELLOW. 2c

Baby 2c

Pretoria 2c

PINK. 2c

Ladysmith 2c

BRONZE. 2c

Mrs. Beu 2c

WIETOR BROS.

162 N. Wabash Ave. Chicago.

Chrysanthemums, good strong selected cuttings from sand or transplanted.

White. 100 1,000

Estelle, early \$1.25 \$10.00

October Frost, early 1.25 10.00

Silver Wedding, late 1.25 10.00

Yellow. 1.25 10.00

Yellow Ivory, early 1.25 10.00

Yellow Eaton, late 1.50 15.00

Pink. 1.25 10.00

Glory of Pacific, early 1.25 10.00

Pacific Supreme, early 1.00 8.00

\$2.50 at 1,000 rate. Cash with order please.

This is extra fine, well rooted and true to name stock. Guaranteed satisfaction. Try my stock. E. E. Cronise, Boonsboro, Md.

Chrysanthemums, from 2½-in. pots at 2½c.

Rosiere, Bergman, White Eaton. From 2½-in. pots at 3c. Chrysolora, the finest early yellow grown. We have a large stock. From sand at \$2 per 100; \$15 per 1,000: Rosiere, Bergman, Touset, Oct. Frost, Robinson, White Eaton, Yellow Eaton, Unaka, Minnie Bailey, Mary Foster, Chrysolora, the best early yellow, at \$2.50 per 100; \$20 per 1,000. Joy Floral Co., Nashville, Tenn.

Chrysanthemums, "Cap Family" and other varieties, \$10 per 100. Pompons, our selection, \$3 per 100; \$25 per 1,000. Standard varieties, Unaka, Gloria, Col. Appleton, Wells' Late Pink, etc., \$25 per 1,000 for 2½ in. pot plants. Chas. H. Totty, Madison, N. J.

Chrysanthemum cuttings, from sand and soil as follows: White—Estelle, Smith's Advance.

Oct. Frost, Ivory, Pres. Taft, Yellow—Golden Glow, Yellow Ivory, Yellow Eaton, Pink—Glory Pacific, Pink Ivory, Minnie Bailey, \$1.25 per 100; \$12 per 1,000. D. H. Green, Boonsboro, Md.

Chrysanthemums, all the best varieties for bush form pot plants, 2½-in., \$3 per 100. Frank Oechslin, 4911 Quincy St., Chicago.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, the best Commercial varieties, out of 2½-in. pots. Write for complete list. C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums to clean out. A No. 1 plants of Glory Pacific, early pink, 2½-in., \$1.50 per 100 while they last. None better. C. P. Bethards, Springfield, O.

Chrysanthemums, Chrysolora and Chas. Razer, rooted cuttings in lots of 50 of a variety, \$20 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

CHRYSANTEMUMS.

ROOTED CUTTINGS—READY NOW.

\$1.50 per 100; \$12.50 per 1,000.

White. White.

Oct. Frost Silver Wedding

Early Snow Yanoma

C. Touset Yellow.

F. Poehlmann Monrovia

White Cloud Hallday

Des Jonis Appleton

Queen Golden Wedding

MEMPHIS, MEMPHIS FLORAL CO., TENN.

Chrysanthemums, rooted cuttings. Erie Floral Co., Erie, Pa.

Chrysanthemums, leading varieties, \$3 per 100. Henry Smith, Florist, Grand Rapids, Mich.

CLEMATIS.

Clematis paniculata, 3-in., strong, 6c. Memphis Floral Co., Memphis, Tenn.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, Verschaffeltii, Golden Queen, Golden Bedder, Beckwith's Gem, Firebrand, Lord Palmerston, 2½-in., \$2.50 per 100; \$20 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Coleus, Golden Bedder, Verschaffeltii, John and Anna Pfister, in quantity, 2-in. at 1½c each. Memphis Floral Co., Memphis, Tenn.

CROTONS.

Crotons, 3½ and 4-in., \$4 per doz. Vaughan's Seed Store, Chicago and New York.

CYCLAMEN.

Cyclamen, 3-in. pots, very finest strain, \$10 per 100. Julius Roehrs Co., Rutherford, N. J.

Cyclamen, strong 2½-inch, best colors, \$5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

DAISIES.

VIGOROUS DAISY PLANTS.

IMMEDIATE SHIPMENT.

Alexandra, 2½-in. 4.00 per 100

Mrs. Sander, 2½-in. 4.00 per 100

Mrs. Sander, 3-in. 6.00 per 100

WEILAND & RISCH,

154 N. Wabash Ave. Chicago.

Shasta daisies, 10,000 daily, selected, large flowers, 24 to 36 inch stems, \$4 per 1,000. Mexican tuberoses, \$1.90 per 100 spikes. Alvin Jasmine & Floral Co., Alvin, Texas.

DRACAENAS.

Dracena indivisa, 2-in., \$3 per 100; 3-in., \$5; 4-in., \$12; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$6 per doz.; 8-in., \$1 to \$1.50 each. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracena, Lindenl and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz.; 7-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Chicago and New York.

Dracena indivisa, 3 ft. high, \$2.50 each; 5-in. pots, \$3 per doz. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Elegantissima, 6-in., 50c each; 8-in., \$1 each. Harrisii form of Bostoniensis, 8-in., \$1 each; specimens in 10-in. pots, \$3 to \$4 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Boston ferns, 3-in. ready for 4-in., 8c. Memphis Floral Co., Memphis, Tenn.

Boston and Whitman ferns, 3-in., 10c; 4-in., 15c; 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Boston ferns, 6-in., pots, \$6 per doz.; 7-in., \$9 per doz.; 8-in., \$12 per doz. Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Robbink & Atkins, Rutherford, N. J.

FICUS.

Ficus pandurata, 6-in., \$3.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

GARDENIAS.

Gardenia, Veitchii, 2½-in., \$7 per 100; \$80 per 1,000; 3-in., \$12 per 100; \$100 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

GERANIUMS.

Geraniums, 3½-inch Nutt, Grant and Lakeland, \$6.50 per 100; \$60 per 1,000. Geo. A. Kuhl, Pekin, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

1,500 4-inch red geraniums. CLIFTON and 1,000 4-inch white geraniums Buchner, \$7.50 per 100. 200 5-inch Sprengerli, 20c each, from pots, and 200 hanging baskets, 40c each. THE RIVERBANK COMPANIES, Geneva, Ill.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geraniums, Heteranthe, Castellane, Trego, S. A. Nutt, Grant, 3-in., ready to plant out, 3c. Memphis Floral Co., Memphis, Tenn.

Geraniums, rooted cuttings, Ricard, \$12.50; Nutt and Poitevine, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, for varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Geraniums, \$18.50 per 1,000 for 2-in. plants. Scarlet Bedder, 3-in., \$1.50 per doz.; \$10 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, 2½-in., \$25 per 1,000. Cash with order. Frank Felke, 828 Ridge Ave., Wilmette, Ill. Telephone 1236.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut-Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, bucklesberry, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. Caldwell The Woodsman Co., Evergreen, Ala.

Huckleberry foliage, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. E. A. Beaven, Evergreen, Ala.

HOLLYHOCKS.

Hollyhocks, asst. colors, \$40 per 1,000. Hardy chrysanthemums, clumps, \$5 per 100; strong 2½-in. plants, \$3 per 100. Herbaceous perennials from 2½-in. pots. The New England Nurseries Co., Bedford, Mass.

HYDRANGEAS.

Hydrangeas in pots and tubs, \$1.50 to \$3.50 each; large specimens, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

Hydrangea Otaksa, specimens in half barrels, \$5 and \$7.50 each; 14-inch tubs, \$2 and \$3 each; smaller sizes, 50c and 75c. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangea Otaksa, 6-in., 3 to 6 flowers and buds, 35c to 75c. Erie Floral Co., Erie, Pa.

IVIES.

English ivy, 4 ft., 4-in. pots, \$15 per 100; 4½-in., \$20. Bobbink & Atkins, Rutherford, N. J.

English ivy, grown in 3½ and 4-in. pots, \$10 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

English ivy, 4-in. pots, heavy, \$12 to \$14 per 100. Charles Lenker, Freeport, L. I., N. Y.

JASMINES.

Jasmines, Grand Duke, Maid of Orleans, Cape Jasmines, 3-in., bushy, 6c. Memphis Floral Co., Memphis, Tenn.

JERUSALEM CHERRIES.

Cherries, Fra Diavola, 2½-in., \$3 per 100. Jerusalem cherries for field planting, 2½-in., \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

LAUREL.

Laurus cerasus bush, 35c to \$1 each; standards, \$7.50 to \$10 each; pyramids, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley, pips, Berlin and Hamburg, \$32 per case of 3,000. J. M. Thorburn & Co., 53 Barclay St., New York.

From Storage.

Lily of the valley, cold storage, \$18 per 1,000; \$9.50 per 500; \$5 per 250. H. N. Bruns, 3032-42 W. Madison St., Chicago.

MOONVINES.

Moonvines, 3-in., blue and white, at 2c. Memphis Floral Co., Memphis, Tenn.

MOSS.

Green sheet moss, 1 bale (5 bundles), \$1.25; 5 bales (25 bundles), \$8. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

Moss, surplus of 12 barrel bale New Jersey moss, delivered anywhere in Chicago, \$5 per bale, 2 or more bales, \$4.75 bale. Klehm's Nurseries, Arlington Heights, Ill.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

Sphagnum moss, small size bales, clean stock, new burlaps. Vaughan's Seed Store, Chicago.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Peach pits. J. K. Morrison Grocery & Produce Co., Statesville, N. C.

Evergreen hedges and hardy phlox. Adolf Mullett, Norristown, Pa.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PALMS.

Palms, Kentia Forsteriana, 4-in., 25c to 35c; 5½, 6½ and 6-in., 25 to 50 inches high, 50c to \$2.50 each. Belmoreana, 4½-in., 25c and 35c each; made up 3 plants in pot, 6-in., 75c and \$1. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, for varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Palms, Kentias Belmoreana and Forsteriana, 4-in. to 10-in., \$4.50 per doz. to \$15 each. Cocos Weddelliana, 2½-in., \$15 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Phoenix Canariensis, fine large plants, \$7.50 to \$35 each. Julius Roehrs Co., Rutherford, N. J.

Palms of all kinds. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANDANUS.

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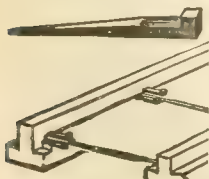
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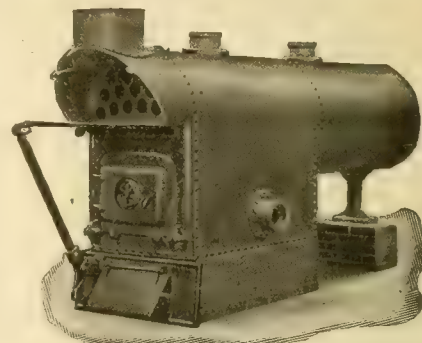
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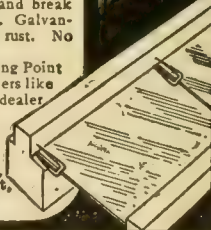
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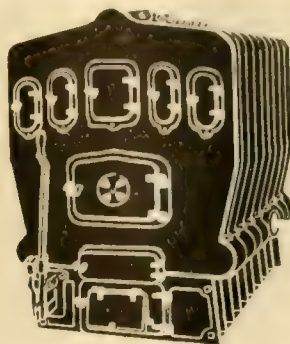
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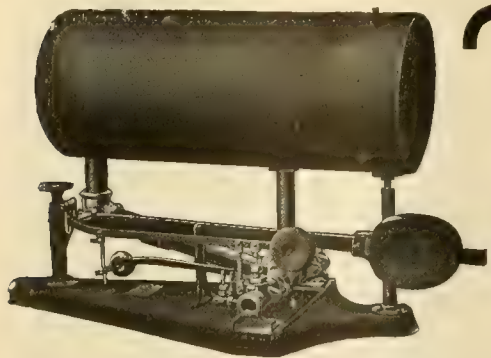
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Vol. XL

CHICAGO AND NEW YORK, JULY 5, 1913.

No. 1309

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address; Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada, \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August 3, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

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CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at Chicago,
November, 1913. CHARLES H. TOTTY, Madi-
son, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Poinsettias.

The time for propagating poinset-
tias is approaching the end, but cut-
tings struck at this time will make
the best plants for the low pans, and
all the cuttings possible should be
placed in the propagating bench or
frame, at once. Stock rooted after
September 1 will not prove satisfac-
tory at the holiday season. As soon
as rooted they should be potted in
2½-inch pots in a compost composed
of three-fourths soil and one-fourth
rotted manure. As soon as the night
temperature drops below 60 degrees
the plants should be removed to the
houses and given a light position. As
they grow space them out so that
they will not become crowded and
drawn, a short jointed growth being
desirable. While poinsettias can be
grown in a cooler temperature, at
about 50 degrees, the bracts will not
be as large and they will not be in
bloom at Christmas. The cause of
most failures with these plants is a
variable temperature—60 degrees at
night gives the best results, and do
not allow the temperature to fluctu-
ate, or a loss of leaves will result.

Pelargoniums.

The great improvement in the varie-
ties of the zonal geraniums during the
last fifteen years has gradually pushed
the show pelargoniums into the
background, but there is no hand-
somer conservatory or house plant for
late spring and early summer than
these old time favorites, and the plant
grower should always have a few of
these every season. If there is no
stock wait until September and buy
from those who have, and purchase
the large flowering varieties and a
good assortment of colors. Those who
have some good stock plants that are
nearly through blooming can begin to
dry them off, but do not go to ex-
tremes, do not dry them enough to
turn the foliage yellow. About the
middle of August the plant may be
cut down and pruned back very se-
verely, leaving only two or three eyes
on each shoot. The wood that is cut
off should be made into cuttings and

every piece will root, if cut into two
or three eyes. Insert the cuttings in
the propagating bed and keep them
well shaded, and not too wet, but keep
the sand moist. They will root in
about three weeks and then should be
potted and as soon as they require it
a shift made into 4-inch pots. En-
courage them to make all the growth
possible until November, when they
should be placed in a cool house, with
a temperature of 40 to 45 degrees, and
preferably on a shelf near the glass.
At the end of February or early in
March they should be potted in 6-inch
pots, when they will make rapid
growth and flower the following May
and June.

Pruning Shrubs.

The spring blooming shrubs are
now nearly all done and the safest
rule for pruning is to cut back into
shape after the flowers have passed,
when the shrubs begin their growth
for the next season's crop of flowers.
All the small weak growths should be
cut out and the plants trimmed into
proper shape. Unless this is attended
to, shrubs rapidly become a tangle of
weak growths, bearing but few flow-
ers, and grow into ungainly speci-
mens. Too often this important work
is left until too late and the blooming
growth for next season is cut off, with
the result that there are no flowers
the succeeding year. Privet hedges
should be constantly pruned into
shape so as to have a nice appear-
ance, and they will stand any amount
of cutting, as they grow very rapidly.
August is the best time to trim ber-
beris, and they will need no further
cutting back for the balance of the
year.

Callas.

The bulbs of callas will be arriving
shortly and everything should be in
readiness to start them if it is desired
to have blooms in the fall. They can
be grown either in benches or in pots.
Many prefer pot culture, claiming that
the bulbs produce more flowers when
grown in this manner than when in
benches, but the larger flowers are
grown in the latter. But whichever

way they are to be grown through the winter, the culture at the outset will be the same. The soil should be one-third rotted cow manure and two-thirds good soil, and if the soil is of a clayey texture the mixture will stand a liberal addition of sharp sand to keep it open. Pot the bulb in a pot just large enough to hold it and be sure and have good drainage. While the calla is a moisture loving plant and absorbs lots of water it will quickly take on a sickly look if the drainage becomes blocked and the soil becomes soaked with stagnant water. After potting, the plants should be plunged outside, preferably in a cold frame, and if standing in the direct rays of the sun a mulch of short grass, such as lawn mowings or old straw, will prevent the pots from drying out too rapidly and consequently less frequent watering will be required until the roots begin to grow in the soil. As soon as the growths appear the mulch should be removed. The plants can be left out in frames until the middle of September, when they should be removed to the houses and potted into larger sizes or planted in the benches. The old bulbs that bloomed last year can be shaken out and treated in a similar manner. Be sure before potting these to remove all the small bulb-lets from the old bulbs. If it is desired to increase the stock these can be planted in a flat and they will grow into flowering roots for the succeeding year.

Greenhouse Over a Hot Spring.

The old expression that "there is nothing new under the sun" has been given a rude shakeup by the achievement of the caretaker of Old Faithful Inn in Yellowstone Park. Last winter his ingenious brain devised the scheme of building a hothouse over one of the many boiling springs in the vicinity of the hotel. Realizing that there was a lot of good heat going to waste which might be corralled and used to advantage, he bethought himself of constructing a glass house over the source of this heat for the development of plant life.

The upper part of the wooden framework was filled in with old windows that were discarded when the new Grand Canyon hotel was built two years ago. Upon completion of his improvised hothouse, he immediately planted lettuce, radishes, cucumbers, tomatoes and mushrooms, bringing fertile soil from back in the hills and constructing boxes in which to plant his seed. There was no soil where he built this greenhouse for the reason that it was located on the hot springs formation, where the crust is lava and volcanic rock. Things grew in the hothouse like wild fire, while the outside temperature ranged anywhere from 20° to 50° below zero. The only difficulty experienced was in keeping the temperature inside the hothouse down to the proper point for the welfare of the plants. The heat from the hot spring was so intense that the problem of moderating the temperature proved a serious one. H. W. Child, president of the Yellowstone Park Hotel Company, has visions of serving mushrooms at Old Faithful inn this summer—the product of this unique and original hothouse where the crisp and frosty nights, so attractive to the tourists, will have no terrors for the tender plants. — Mississippi Valley Lumberman.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Florists' Telegraph Delivery.

Appropos the interesting talks of Adolph Farenwald and W. F. Kasting before the New York Florists' Club, it might well be stated that the Florists' Telegraph Delivery will be very much interested in seeing a modification of the dues for the S. A. F. in relation to the various other organizations. It is an essential requirement



Calla Cluster.

of the Florists' Telegraph Delivery that each member of that organization be represented in the S. A. F. There are about 115 members of the Florists' Telegraph Delivery now represented in the S. A. F. A reduction of rates for the parent body, say \$3.00 for the first fee and \$1.50 or \$2.00 per year thereafter would be the solving of a welcome problem. There are hundreds of retailers in the country who would doubtless be willing to join the Telegraph Delivery if it were possible to aid them in that way. No doubt this will hold true with the Carnation, Rose and other societies and increase the membership much above the fifteen hundred now identified with the S. A. F. The interested members of the Florists' Telegraph Delivery might do well to bear this topic in mind so as to gauge the matter properly at the coming meeting in Minneapolis.

IRWIN BERTERMANN, President.

Flowers in Sickness.

The influence of flowers in lightening sorrow and suffering has always been recognized, but their employment as an actual remedy in cases of sickness is recent. Laymen as well as physicians know the power of mental attitudes in helping invalids to health and the blooms so bountifully provided by nature are an obvious means of drawing the sufferer's attention from his or her condition to more cheerful thoughts. Perhaps nowhere, however, has this idea been so strongly adopted as in Battle Creek, Mich., famous as "the health food city." At the Battle Creek Sanitarium physicians prescribe flowers for patients just as they would order massage or an application of electricity.

Many chronic sufferers have disorders of the stomach and nerves, which oftentimes cause severe depression of spirits. Modern medicine does not content itself with drugs, but lays stress on a pleasing diet, entertainment of a non-exciting kind, amusement and exercise suited to the case, and, in general, conditions which make life agreeable. When a patient here is feeling particularly in the dumps, the physician orders a blooming plant or a vase of flowers, and the effect is often pronounced. Of course, women are more susceptible to this influence than men, but some of the male invalids take a surprising lot of comfort from this "medicine." When a person is confined to his bed for a long period it often diverts his mind to have a plant near the bed which he can watch as the buds grow into flowers. A rich man who had had an operation and was preparing to go home asked the florist of the sanitarium whether he might take with him a common plant of *Asparagus plumosus* which was in his room.

"Of course you are welcome to it," was the answer, "but it will be a bother to carry it so far. You can buy one like it at home for a few cents."

"It isn't a question of money," said the patient. "I want to have it properly packed and shipped by express. I have watched that plant for eight long weeks that I lay in bed, before and after my operation, and I have come to love it."

This man is one of the keenest and most successful business men in his state. Probably few of his associates would think of him as being sentimental. Yet a simple plant was thus able to twine itself around his affections. It is doubtful whether any other big institution in the country pursues such a liberal and intelligent course regarding flowers as the Battle Creek Sanitarium, and a similar policy on the part of hotels, hospitals and sanitariums generally would be an enormous boon to the florists' trade. Everything is supplied free. A patient will come to the greenhouse and say:

"I'd like to buy one of those hyacinths."

"We don't sell anything here," is the reply. "Everything is given away. Just pick out the plant you want and I'll send it to your room. When that is through blooming, telephone to me and I'll send you another."

All potted plants are supplied on a mere request. Of course, cut flowers

are more in demand and it would be impracticable to grow enough to supply 700 or 800 patients with all they asked for. Some would be unreasonable and get more than their share. The distribution is arranged through the physician. Surgical cases are regarded as most entitled to being cheered, and the rule is always to have cut flowers in their rooms. For the medical patients, the flowers are sent to the medical office four or five times a week. Each woman physician is asked for the names of the women on her list who are most in need of some brightening influence, and to each of these a bouquet is sent. Persons arriving at a sanitarium are likely to be tired from their journey, and despondent at being in strange surroundings, and a nosegay of roses or carnations has a marked effect in making life look less dreary.

Flowers are displayed in offices and in the dining room, while a big palm garden affords a delightful lounging place in winter. The exotic plants here are a great source of interest to guests. Roses and carnations are the favorite flowers, but a large variety is grown in the greenhouses, including sweet peas, tulips, hyacinths, lilies, stocks, bouvardias, stevias, geraniums, pansies, violets, lily of the valley, and chrysanthemums. In the summer months, the building fairly overflows with flowers, as the gardens yield their succession of blooms. Every year about 10,000 asters are planted. Supposing they yield a dozen flowers each, you have a huge mass of loveliness. Sweet peas there are, too, by the bushel basket, snapdragons, poppies, Sweet William, golden glow, sunflowers, bachelor's buttons, stock, gailardia, cosmos, pinks, iris in many varieties, peonies, bleeding hearts, calliopsis, coreopsis, dimorphotheca, nigella, chrysanthemums, Shasta daisies, roses, gladioli, dahlias, snow-on-the-mountain, phlox, pansies, nasturtiums and others too numerous to mention.

The blooms are displayed in the numerous offices and on the dining tables, besides being supplied to patients in their rooms. As part of this liberal policy, the sanitarium pays a great deal of attention to the beautification of its grounds. People who are away from their usual occupations and surroundings take an uncommon interest in everything they see and the flower beds, shrubs and trees are a source of pleasure and entertainment to guests and patients. To stimulate this attention, the landscape gardener has set out a great variety of plants, so that the place is almost a botanical garden. That people take notice of such things is proved by the fact that every man who is at work on the lawn or flower beds is besieged with questions of all kinds. The head florist is frequently asked for information and advice by guests who wish to reproduce at their homes the effects they admire at the sanitarium.

In a recent lecture Dr. J. H. Kellogg, superintendent of the sanitarium, said: "Flowers are of great value to sick people as well as to well people. Flowers help to make the environment about us pleasant. There is no question that the environment about a man has a great deal to do with his physical condition as well as his mental state. If one gets up in the morning, looks out and sees everything dark



STANDING WREATH.

By I. Lorenzen & Son, Hartford, Conn.

and gloomy it has rather a discouraging effect upon him. He looks out of the window, sees the sunshine and a beautiful landscape, and it is inspiring, and so flowers in the sick room are really messengers of health and healing, and when they come from friends represent the giver and are really messages of love and sympathy as well. We aim to have flowers all about the sanitarium at all seasons of the year. We have large greenhouses which we maintain at considerable expense so as to keep the place supplied with flowers. If any of you want flowers or pot plants in your room all you have to do is to call for them and you can get them."

This plan of spending a lot of money on flowers has been found profitable in Battle Creek. Business men and the heads of corporations are learning that cheerful and beautiful surroundings are a paying investment. The spreading of this gospel means a great deal to the florist interests of the country.

H. M. STEGMAN.

Newport, R. I., Exhibition.

The joint exhibition of the Newport Garden Association and the Newport Horticultural Society was opened at Harbour Court, the estate of Mrs. John Nicholas Brown, June 25, under very favorable conditions. If outdoor exhibitions are to be held, no more favorable location than Harbour Court could be found. The place on the estate selected for the exhibition was a level space of tree-shaded lawn separated from the sea wall by only a narrow driveway. As an added landscape feature, so to speak, a large number of tall bay trees in tubs were placed along the sea wall about 10 feet apart. Inside the drive, as a border, were the beds of roses, hydrangeas, geraniums, schizanthus, sweet williams, Canterbury bells and other hardy and bedding plants. There were also many tubs of tall sweet peas interspersed with ivy, bay and box trees as a background.

It may here be said that preparing for an outdoor show is not easy

as it may seem to the casual reader. Although the location was very favorable, much work was necessary in preparation. For the reception of the cut flowers, two semi-circular booths were prepared, one on each side of what may be called the plaza or court. If extended they would have encircled it, but ample space was left open for

Belmont. There were also exhibits from the estates of H. H. Rogers, Fairhaven, Mass.; E. C. Converse, Marion, Mass.; Mrs. Sidney Webster and Col. Fred Mason of Taunton, Mass.

NOTES.

The bay trees that lined the sea wall were loaned by Wadley & Smythe of Newport and New York.

colors, of features on the Auchincloss estate. The Henry A. Dreer, Inc., exhibit of water lilies and iris had a good position in the center of the court and attracted attention. In planted stock, nothing looked prettier than the schizanthus and Canterbury bells from the estate of Mrs. H. M. Brooks (James Bond, gardener), which took first prizes. Another noteworthy exhibit which took first prize was the collection of outdoor roses, named varieties, from the W. W. Astor estate.

Hugh Williamson, gardener, President Meikle and Secretary Coughlin of the Horticultural Society, as well as Superintendent Manda, deserve much credit for their tireless efforts to make the show a success.

The versatile Thomas Knight of the Knight & Struck Co., Flushing, N. Y., exhibited his orchids on two trees growing on the lawn. Both the trees and the orchids looked well.

Among the visitors at the opening was President Farquhar of the Society of American Florists. The show was well patronized on the opening day by the society people.

A very interesting feature was the exhibit of Jackson Dawson of the Arnold arboretum, Boston, Mass. It consisted of new hybrid roses. There were Baby Duncan, William Egan, Rosa Arnold, Sargent Rose, Minnie Dawson and several suitable for greensward bedding.

A. N. Pierson, Inc., had the only carnation exhibit. Their rose Milady showed fine and kept well. The exhibit was in charge of R. T. Beers.

The judges were as follows: For the Newport Garden Association: Mrs. Arnold Hague, Newport; F. R. Newbold, Poughkeepsie, N. Y.; J. K. M. L. Farquhar, Boston, Mass. For the Newport Horticultural Society: Wm. Grey, Fred Carter, Colin Robertson.

The weather for the second and last day of the exhibition was exceedingly favorable for an outdoor show, being cloudy and cool, without rain. Consequently the most of the cut stock held out well. The baskets and cen-



ROSE GARDEN, ELIZABETH PARK, HARTFORD, CONN., JUNE 1913.

See Issue of June 28, Page 1250.

ingress and egress. The skeleton of these booths was a framework of galvanized iron pipe to which was fastened strong wire netting. Against this skeleton there was a close set hedge of red cedar which served the double purpose of protection and a good background for the flowers. Overhead were wide curtained awnings. While there were tables for the cut stock in vases, the small trees were utilized by the orchid exhibitors with good effect. In the center of the court there was an aquatic display. Palms and specimen bay trees and boxwoods were arranged to give the whole a touch of formal gardening.

Prominent among commercial exhibitors were:

Bobbink & Atkins, Rutherford, N. J., bay trees, boxwoods and large English ivies, also plant tubs.

A. N. Pierson, Inc., Cromwell, Conn., orchids, roses Milday, My Maryland and Mrs. Aaron Ward, and carnations.

Lager & Hurrell, Summit, N. J., orchids.

Paul de Nave, Fall River, Mass., orchids.

Oscar Schultz, Newport, bedding plants.

Henry A. Dreer, Inc., Philadelphia, water lilies and irises.

Wm. Tricker, Arlington, N. J., water lilies.

Knight & Struck Co., Flushing, N. Y., orchids.

Nearly all the private gardeners' exhibits were from Newport estates. Of these there was stock from the estate of Mrs. H. D. Auchincloss, Miss Fanny Foster, Mrs. E. J. Berwind, Mrs. John Nicholas Brown, Mrs. L. M. Davies, Mrs. W. W. Sherman, Mrs. H. M. Buck, Mrs. T. J. Emery, Mrs. Wm. B. Leeds, Vincent Astor, W. W. Astor, Mrs. W. G. Weld, Mrs. H. A. C. Taylor, Mrs. French-Vanderbilt and August

The palms and bay trees from Bobbink & Atkins were features of the grounds.

An exhibit much admired was that from the estate of Mrs. H. D. Auchincloss (J. Mahan, gardener). It was three standard rhododendrons ranging from seven to 12 feet in height, two of which were in full bloom, the third just opening. It is but seldom that such plants are seen anywhere.

Dana Fitz Dow, a landscape architect of Reading, Mass., exhibited a number of photographs on glass, in



ROSE GARDEN, ELIZABETH PARK, HARTFORD, CONN., JUNE 1913.

See Issue of June 28, Page 1250.



WITH COMMODORE WESTCOTT AT WARETOWN, N. J., JUNE 21, 1913.

terpieces were staged and judged and awards were made on special exhibits.

William Tricker of Arlington, N. J., who did not receive his stock in time for exhibition June 25, had his exhibit well arranged. Notable among his nymphs were *Eugenia de Land*, *Gloriosa*, *W. B. Shaw*, *Jas. Brydon*, *Helen Fowler*, *Mrs. Roach* and *Hessel's Yellow*. For the last named he was awarded a first class certificate; for the general exhibit he won a certificate of merit and \$5.00.

AWARDS.

Best bed of Canterbury Bells—Mrs. H. M. Brooks, James Bond, gardener.

Best bed of Sweet William—1, Mrs. H. M. Brooks; 2, Mrs. Thomas J. Emery, A. L. Dorward, gardener.

Best bed of Dianthus—1, Mrs. T. J. Emery.

Best tub of Sweet Peas—1, Mrs. W. G. Weld, Paul Volquardson, gardener; 2, Mrs. Ellen French-Vanderbilt, Daniel Hay, gardener; 3, H. A. C. Taylor, William MacKaye, gardener.

Best collection of Rock and Alpine plants—1, Mrs. H. D. Auchincloss, John Mahan, gardener.

Best exhibit of White Roses, other than Killarney—1, Mrs. H. H. Rogers, Fairhaven, James Garthley, gardener; 2, Mrs. T. O. Richardson, James Robertson, gardener.

Best bed Petunias—1, Mrs. H. M. Brooks; 2, Mrs. W. W. Sherman, Andrew Ramsay, gardener.

Best bed growing Roses—1, Mrs. T. J. Emery.



Alex Cumming, Jr.
Head Gardener Elizabeth Park, Hartford, Conn.

Best display of small potted plants—1, Oscar Schultz.

Best display of Schizanthus—1, Mrs. H. M. Brooks; 2, August Belmont, John Forbes, gardener.

Best 12 white Killarney roses—1, August Belmont.

Best 12 plants of Calceolaries—1, Mrs. H. M. Brooks.

Best 24 Jacqueminot Roses—1, Miss Fanny Foster, C. M. Bugholt, gardener; 2, Miss Wetmore.

Best 12 plants of Gloxinias—1, Vincent Astor, James Boyd, gardener; 2, August Belmont.

Best fancy basket of foliage plants—1, Hugh Meikle; 2, Vincent Astor.

Best collection out-door roses—1, William W. Astor, Hugh Williamson, gardener; 2, Mrs. T. J. Emery; 3, Mrs. T. O. Richardson.

Best vase 12 Hybrid roses—1, William W. Astor; 2, Mrs. T. O. Richardson; 3, Mrs. T. J. Emery.

Best vase six Hybrid roses—1, Mrs. T. O. Richardson; 2, Miss Fanny Foster; 3, Mrs. T. J. Emery.

Best vase 12 red Hybrid roses—1, Miss Fanny Foster; 2, Mrs. T. O. Richardson; 3, Mrs. Sidney Webster, T. K. Sullivan, gardener.

Best vase 12 pink Hybrid roses—1, Mrs. T. O. Richardson; 2, Miss Fanny Foster; 3, Mrs. Sidney Webster.

Best vase of 12 white Hybrid roses—1, Mrs. T. O. Richardson; 2, Miss Fanny Foster; 3, August Belmont.

Best vase 12 blush white Hybrid roses—1, Miss Fanny Foster; 2, Mrs. T. O. Richardson.

Best vase of 25 Hybrid roses, any variety—1, W. W. Astor; 2, Miss Fanny Foster; 3, Mrs. T. O. Richardson.

Best vase of 12 red Tea roses—1, none; 2, August Belmont.

Best vase of 12 white tea roses—1, Mrs. William B. Leeds, William Grey, gardener; 2, August Belmont.

Best vase of 12 pink tea roses—1. Mrs. William B. Leeds; 2. Mrs. Alfred Tuckerman, E. Kempenaar, gardener.

Best vase of 12 yellow tea roses—1, August Belmont.

Best 12 Gardenia blooms—1. Mrs. H. M. Brooks; 2, Vincent Astor.

Best collection, 12 varieties of Hardy Herbaceous flowers—1. August Belmont; 2. Mrs. T. J. Emery.

Best display of Sweet Peas shown with foliage—1. Mrs. William B. Leeds; 2. Mrs. H. E. Converse, Marion, Mass., David Roy, Gardener; 3. Mrs. T. J. Emery.

Best six vases sweet peas, six varieties—1. Mrs. William B. Leeds; 2. Mrs. William G. Weld.

Best three vases of sweet peas, 3 varieties—1. Mrs. William B. Leeds; 2. Mrs. William G. Weld; 3. Mrs. T. J. Emery.

Best bunch of black Grapes—Mrs. T. J. Emery.

Best bunch of White Grapes—Mrs. T. J. Emery.

Best six nectarines—August Belmont.

Best dish Gandy strawberries—Mrs. T. J. Emery.

Best dish Marshall strawberries—1. Mrs. Ellen French-Vanderbilt; 2. Mrs. T. J. Emery.

Best dish Brandywine strawberries—Mrs. T. J. Emery.

Best dish any variety strawberries—1. Daniel B. Fearing; 2. Mrs. Ellen French-Vanderbilt.

Best collection of strawberries—1. Daniel B. Fearing, John Baumgartner, gardener.

Best bunch of beets—1. William Brenton Green, Samuel Speers, gardener; 2. Mrs. T. J. Emery.

Best two cabbages—1. Vincent Astor; 2. Mrs. Ellen French-Vanderbilt.

Best two cauliflowers—1. Mrs. Ellen French-Vanderbilt; 2. Vincent Astor.

Best two cucumbers—1. Mrs. T. J. Emery; 2. Mrs. Ellen French-Vanderbilt.

Best six heads of lettuce—1. Mrs. Sidney Webster; 2. Mrs. Ellen French-Vanderbilt.

Best bunch of onions—1. William Brenton Green; 2. Mrs. T. J. Emery.

Best one-half peck peas—1. Mrs. Ellen French-Vanderbilt; 2. Mrs. T. J. Emery.

Best three dishes potatoes—Mrs. T. J. Emery.

Best dish potatoes—William Brenton Green.

Best 12 stalks rhubarb—1. William Brenton Green; 2. Mrs. Ellen French-Vanderbilt.

Best 12 tomatoes—1. Daniel B. Fearing; 2. Mrs. T. J. Emery.

Best two bunches turnips—1. Mrs. Ellen French-Vanderbilt; 2. Mrs. T. J. Emery.

Best collection of wild flowers—Miss Anna M. Gatzemeier.

Best collection of named wild flowers on table arranged for effect—Miss Anna M. Gatzemeier.

Best six distinct kinds of vegetables—1. Mrs. T. J. Emery; 2. Colonel Frederick Mason, E. L. Lewis, gardener.

Best vase of yellow roses—1. Mrs. W. B. Leeds.

Best two hanging baskets of foliage and flowering plants—Mrs. T. J. Emery.

Best design of planting of conifers and evergreens in space not exceeding 200 square feet—Oscar Schultz.

Best six vases of out-door grown flowers—1. Mrs. Ellen French-Vanderbilt; 2. August Belmont.

Best 12 distinct kinds of vegetables—Mrs. T. J. Emery.

Best display of cut roses—Mrs. H. E. Converse.

Best 12 pots or pans of annuals in bloom—1. Mrs. T. J. Emery; 2. Mrs. H. M. Brooks.

For aquatics and Japanese iris—Henry A. Dreer, Inc., silver medal and certificate of merit.

For topiary plants—Robbink & Atkins, silver cup and \$25.00, given by Newport Garden Society; silver medal by Newport Horticultural Society. This firm was also awarded first prize for best group of plants and four first prizes for single specimen palms.

Jackson Dawson was awarded a silver medal for rose Sargent, a bronze for rose Arnold and bronze medals for two of his other rose productions.

A. N. Pierson, Inc., Rose Milady, first class certificate; general exhibit, certificate of merit and \$25.00.

Best centerpiece of roses and rose foliage—Mrs. W. W. Sherman (Andrew Ramsay, gardener), first; Mrs. John Nicholas Brown (Arthur Leary, gardener), second.

Best fancy basket of roses and rose foliage—Hugh Meikle, first; Mrs. John Nicholas Brown, second.

SPECIAL EXHIBITS.

Sweet peas in tubs—Mrs. Wm. G. Weld (Paul Volguardsen, gardener), \$20.00.

Bed of schizanthus—Vincent Astor (Jas. Boyd, gardener), culture certificate; and for three tubs of sweet peas, \$10.00.

Bed of Dianthus—Oscar Schultz, Newport, \$15.00.

Collection of orchids—Lager & Hurrell, Summit, N. J., cultural certificate and \$15.00.

Best display of orchid plants in bloom—Paul de Nave, Fall River, Mass., first, and for specimen cat-tleya, \$5.00.

Collection of amaryllis—Mrs. W. G. Weld, for superior culture, silver medal.

Group of ferns and foliage plants—Mrs. E. J. Berwind, \$15.00.

Roses and sweet peas—Mrs. T. M. Davis, cultural certificate and \$5.00.

Corn flower and clematis—Mrs. Sidney Webster (T. J. Sullivan, gardener), honorable mention.

Chas. H. Biesel, prize for the best fancy basket of out-door grown roses and rose foliage.

Mrs. De Lancy Kane, Newport, prize, water color painting.

Best fancy basket of roses (gardener's assistants only)—Patrick Feeney, first; Hugh Meikle, second.

Best fancy basket foliage plants—Hugh Meikle, first; Vincent Astor, second.

SWEET PEAS.

Mrs. Thos. Brooks, Greystone, R. I., certificate of merit.

Joseph Breck & Son's prize, best two hanging baskets of foliage and flowering plants—Mrs. T. J. Emory, first.

Mrs. Arnold Heague, president, and Mrs. Hamilton Fish-Webster, secretary, of the Garden Association, were very active in their efforts to make

the show the success that it was. A dinner was given by the Newport Horticultural Society at the Bellevue hotel on the night of June 26.

A. F. F.

Society of American Florists.

Sports Programme.

THURSDAY, AUGUST TWENTY-FIRST.

Ladies' Bowling Contest—10 a. m. sharp, Central Bowling Alleys, 1st Avenue N. and 6th Street.

Men's Individual Bowling Event—2 p. m. sharp, Central Bowling Alleys.

Men's Team Bowling Event—4 p. m. sharp, Central Bowling Alleys.

SATURDAY, AUGUST TWENTY-THIRD.

General Outing—Tonka Bay, Lake Minnetonka.

Baseball—Minneapolis Florists' Club Team vs. S. A. F. and O. H. All Stars—1 p. m.

Rules.—Every contestant must be a member of the S. A. F. and O. H. in order to take part in the sports events, and also a member of the Minneapolis Florists' Club to take part in the team contests representing the Minneapolis Florists' Club.

RACES AND FIELD SPORTS.

11 a. m. Sharp. All Races to be from Scratch.

Girls' Race—10 years and under, 40 yards. 1st and 2d prize.

Boys' Race—10 years and under, 50 yards. 1st and 2d prize.

Girls' Race—15 years and under, 60 yards. 1st and 2d prize.

Boys' Race—15 years and under, 100 yards. 1st and 2d prize.

Single Ladies' Race—50 yards. 1st and 2d.

Married Ladies' Race—50 yards. 1st and 2d.

Men's Race—100 yards, 125 pounds and over. 1st and 2d.

Fat Men's Race—200 pounds and over, 100 yards. 1st and 2d.

Rules.—Fat men to enter this race, height 5 ft. 10 in. or less, must weight 224 pounds or less. Fat men 225 pounds or over must be 6 ft. high or over.

Wheelbarrow Race, Men—30 yards and back, 1st and 2d.

Wheelbarrow Race, Boys—15 and under, 30 yards and back, 1st and 2d.

Double Race, Men—30 yards. 1st, 2d and 3d. (One man to be carried to certain line and other man to carry him back.)

Women's Ball Throwing Contest—1st and 2d.

100 Yards Open Event—1st, 2d and 3d. (All to be lying with head on the line when starting.)

All Fours Race, Men—30 yards, creeping position. 1st, 2d and 3d.

Egg and Spoon Race, Ladies—50 yards, 1st and 2d.

Tug of War—Between East and West, or between Cities—1st.

Some Water Sport Contests will be arranged for. Conditions and prizes will be announced at the time of the Convention.

Meetings Next Week.

Baltimore, Md., July 7, 8 p. m.—Gardeners and Florists' Club of Baltimore, Exchange Hall, St. Paul and Franklin streets.

Chicago, July 10, 8 p. m.—Chicago Florists' Club, Union Restaurant, 72 W. Randolph street.

Chicago, July 9.—Gardeners and Florists' Union No. 10615, 230 North Clark street.

Davenport, Ia., July 10.—Tri-City Florists' Club, Henry Miller, secretary, 115 15th street, Rock Island, Ill.

Denver, Colo., July 7.—Colorado Florists' Club, T. M. A. Hall, 1422 Curtis street.

Detroit, Mich., July 7, 8 p. m.—Detroit Florists' Club, 247 Randolph street.

Grand Rapids, Mich., July 7.—Grand Rapids Florists and Gardeners' Club, office of member, Edward Freyling, secretary, 891 Wealthy avenue, Grand Rapids.

Hartford, Conn., July 11, 8 p. m.—The Connecticut Horticultural Society, County building.

Madison, N. J., July 9, 8 p. m.—Morris County Gardeners and Florists' Society, Masonic Hall.

New York, July 9, 4:30 p. m.—Horticultural Society of New York at Botanical Garden, Bronx Park, New York.

Omaha, Neb., July 10, 8 p. m.—Omaha Florists' Club, City Hall.

Scranton, Pa., July 11, 7:30 p. m.—Scranton Florists' Club, T. B. McClintock, secretary, Scranton.

St. Louis, Mo., July 10, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, 9th and Olive streets.

Toledo, O., July 8.—Toledo Florists' Club, E. A. Kuhnke, secretary, 929 Prouty avenue, Toledo.

SOCIETY OF AMERICAN FLORISTS.

Programme of the Twenty-Ninth Annual Meeting and Exhibition to be Held in the National Guard Armory, Minneapolis, Minn., August 19-23, 1913.

TUESDAY, AUGUST 19.

FIRST DAY—OPENING SESSION, 2 P. M.

Opening Exercises—Ball Room.
Address of Welcome—By Hon. Wallace G. Nye, Mayor.
President Farquhar's Address.
Reports of Officers.
Naming of Meeting Place for 1914.

EVENING SESSION, 8 P. M.

Reception to President Farquhar—Gold Room, Balcony Floor, Hotel Radisson.
Music, Dancing, Refreshments—Strictly Informal.
Balloting for Meeting Place for 1914.

WEDNESDAY, AUGUST 20.

SECOND DAY, MORNING SESSION, 9 A. M.

Meeting of the American Rose Society—Committee Room B.
10 a. m.—Meeting of the American Sweet Pea Society—Committee Room C.
Morning Session of S. A. F. and O. H.—Committee Room A.
Report of Tariff and Legislative Committee—Discussion.
Nominations of Officers for 1914.
Reports of State Vice-Presidents.
10 a. m.—Annual Meeting of Ladies' Society of American Florists—Committee Room D.

SECOND DAY—AFTERNOON SESSION, 2 P. M.

Meeting of the Florists' Telegraph Delivery—Committee Room B.
3 p. m.—S. A. F. and O. H.—Report of National Flower Show Committee, by Chairman Charles H. Totty—Committee Room A.
Discussion.
Report of School Garden Committee—Committee Room A.
Report of Judges of Trades Exhibit—Committee Room A.

SECOND DAY—EVENING SESSION, 8 P. M.

Stereopticon Lecture—By Theodore Wirth: "Parks and Boulevards of Minneapolis"—Ball Room.

THURSDAY, AUGUST 21.

THIRD DAY—MORNING SESSION, 9 A. M.

Meeting of the American Carnation Society—Committee Room B.
10:30 a. m.—Meeting of the American Gladiolus Society—Committee Room C.
10 a. m. to 12 m.—S. A. F. and O. H.—Polls Open for Election of Officers.
10 a. m.—Bowling Contest, Ladies' Society A. F.—Central Bowling Alleys, 4th Floor, Corner 6th Street and 1st Avenue North.

THIRD DAY—AFTERNOON SESSION, 2 P. M.

Annual Bowling Tournament S. A. F. and O. H.—Central Bowling Alleys, 4th Floor, Corner 6th Street and 1st Avenue North.

FRIDAY, AUGUST 22.

FOURTH DAY—MORNING SESSION, 9 A. M.

Meeting of the Florists' Hall Association—Committee Room C.
10 a. m.—Meeting of the American Chrysanthemum Society—Committee Room B.
11 a. m.—Session of S. A. F. and O. H.—Committee Room A.
Report of Chairman of Publicity Committee.
Discussion and Action on the following recommendations of the Board of Directors: "Resolved, That it is the sense of the Board of Directors that some action be taken by the Society whereby exhibits of artificial flowers at our Trade Exhibitions and Flower Shows be excluded."

FOURTH DAY—AFTERNOON SESSION, 2 P. M.

S. A. F. and O. H.—Report of Chairman W. R. Smith, Memorial Committee; Report of Chairman Committee on Sports—Committee Room A.
3 p. m.—Stereopticon Lecture—By Leonard Barron: "Glimpses of American Gardens"—Ball Room.
4 p. m.—Paper—By A. Farenwald: "Affiliation"—Ball Room. Discussion.

FOURTH DAY—EVENING SESSION, 8 P. M.

Special S. A. F. and O. H. Concert—By the Minneapolis Park Orchestral Band at Lake Harriet Pavilion.
Boating—On Lake Harriet (Compliments of the Board of Park Commissioners). Take cars for Lake on Hennepin Avenue at 7 p. m.

SATURDAY, AUGUST 23.

ALL DAY OUTING.

Guests of the Minneapolis Florists' Club.
9 a. m.—Take special cars on 6th Street between Hennepin Avenue and 1st Avenue North for Tonka Bay. One hour's ride through a splendid rolling farming country to beautiful Lake Minnetonka. Refreshments, Dancing, Boating, Fishing, Bathing, Sporting Events as per Program. Note—Cars for return to city leave every hour.

OFFICERS OF THE SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS FOR 1913.

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Vice-President.....Theodore Wirth, Minneapolis, Minn.
Secretary.....John Young, 54 W. 28th St., New York
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Pennsylvania (West)—W. A. Clarke, Pittsburgh.
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South Dakota—E. C. Newbury, Mitchell.
Tennessee—C. L. Baum, Knoxville.
Texas—Alex Millar, Dallas.
Vermont—C. E. Gove, Burlington.
Virginia—Herbert Brown, Richmond.
West Virginia—C. P. Dudley, Parkersburg.
Washington—Amy L. Lambly, Spokane.
Wisconsin—William Currie, Milwaukee.
Montana—T. E. Mills, Helena.
Utah—A. J. Alt, Salt Lake City.

CANADA.

Alberta—A. M. Tirrell, Calgary.
Manitoba—H. E. Philpot, Winnipeg.
Ontario—H. Dilleuth, King Street E., Toronto.
Quebec—Geo. A. Robinson, Montreal.

Botanist.....Prof. A. C. Beal, Ithaca, N. Y.
Pathologist.....Prof. H. H. Whetzel, Ithaca, N. Y.
Entomologist.....Prof. Thos. B. Symons, College Park, Md.
Washington Rep. of the Society.....Wm. F. Gude, Washington, D. C.
Superintendent of Exhibition.....John Young, 54 W. 28th St., New York

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JUDGES FOR THE TRADE EXHIBITION.

Classes E and G.
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C. F. Rice, Minneapolis, Minn.

A, B and F.

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PAST PRESIDENTS.

*John Thorpe, 1884. *J. T. Anthony, 1894. Philip Breitmeyer, 1904.
John Thorpe, 1885. Edwin Lonsdale, 1895. J. C. Vaughan, 1905.
John Thorpe, 1886. *William Scott, 1896. Wm. F. Kasting, 1906.
Robert Craig, 1887. Adam Graham, 1897. Wm. J. Stewart, 1907.
E. G. Hill, 1888. W. F. Gude, 1898. F. H. Traendly, 1908.
J. N. May, 1889. W. N. Rudd, 1899. J. A. Valentine, 1909.
*J. M. Jordan, 1890. *E. M. Wood, 1900. F. R. Pierson, 1910.
M. H. Norton, 1891. Patrick O'Mara, 1901. George Asmus, 1911.
James Dean, 1892. John Burton, 1902. R. Vincent, Jr., 1912.
*Wm. R. Smith, 1893. John Burton, 1903. *Deceased.

Ladies' Society of American Florists Convention Programme.

TUESDAY, AUGUST 19.

FIRST DAY, 8 P. M.

President Farquhar's Reception—Gold Room, Balcony Floor, Hotel Radisson.
Music, Dancing, Refreshments.

WEDNESDAY, AUGUST 20.

SECOND DAY, 10 A. M.

Twelfth Annual Meeting—Convention Hall, Committee Room D.
12 m.—6 p. m.—Auto Trip Around City and Park System.
Luncheon—At Minnehaha Park (Guests of Ladies of Minneapolis Florists' Club).
Evening Open.

THURSDAY, AUGUST 21.

THIRD DAY, 10 A. M.

Bowling Contest—At Central Bowling Alleys, 4th Floor, Corner 6th Street and 1st Avenue N.
Afternoon Open—Minneapolis ladies will be glad to act as guides to stores and places of interest.
8:30 p. m.—Reception—Gold Room, Balcony Floor, Hotel Radisson.
9:30 p. m.—Dancing, Refreshments.

FRIDAY, AUGUST 22.

FOURTH DAY, 10 A. M.

Automobile Trip—Starting from Hotel Radisson to St. Paul, guests of St. Paul Florists. Return to Hotel at 5 p. m.
8 p. m.—Special S. A. F. and O. H. Concert—By Minneapolis Orchestral Band at Lake Harriet (Compliments of Board of Park Commissioners).

SATURDAY, AUGUST 23.

FIFTH DAY, 9 A. M.

Outing—To Lake Minnetonka. Special cars from 6th Street between Hennepin Avenue and 1st Avenue N.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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Cornell University.

ITHACA, N. Y., June 30.—At the last meeting of the Board of Trustees of Cornell University, the work of the Department of Horticulture was divided between the two Departments of Floriculture and Vegetable Culture. Dr. A. C. Beal was appointed professor of floriculture, and Mr. Paul Work will be in charge of the work in vegetable gardening.

Prof. Whetzel's Exhibit.

In addition to the programme of the meeting of S. A. F. & O. H. which appears elsewhere in this issue, Prof. H. H. Whetzel of Cornell University, Official Pathologist, will have on exhibition an extensive collection of specimens and descriptive material covering plant diseases. The educational value of this exhibit was clearly demonstrated at the Chicago convention. The exhibit will be in charge of Roy C. Faulwetter, who will be pleased to give visitors any information regarding the same.

Independence Flowers.

Marquis Eaton of the Sane Fourth Association, in thanking President French of the Chicago Florists' Club for his excellent suggestion as to the use of flowers on Independence day, which appeared in THE AMERICAN FLORIST June 28, page 1258, added: "I know of no good occasion which is not made better by the use of flowers."

American Gladiolus Society.

We are in receipt of schedule of prizes offered by the American Gladiolus Society at its fourth exhibition of gladiolus blooms, to be held in connection with the annual meeting of the society and the Society of American Florists at Minneapolis, Minn., August 19-22. Copies of the schedule may be had on application to Secretary L. Merton Gage, South Natick, Mass.

Convention Sports Prizes.

C. N. Ruedlinger, local chairman of the Society of American Florists' convention sports committee, advises that he is now ready for such prizes as members of the trade wish to donate for the sporting events to take place at Minneapolis, Minn., during convention week, August 19-23. All contributions and donations for this purpose should be addressed to C. N. Ruedlinger, Minneapolis, Minn.

Penn's Advertising.

Penn's well known Boston retail house has done considerable attractive advertising in the daily newspapers of that city, and this concern has started the reproduction of a series of these advertisements in this week's issue of THE AMERICAN FLORIST, having in view the broadening of its acquaintance in the trade as well as the extension of its business. We can commend these reproductions as excellent examples of good local advertising.

Chicago to Minneapolis.

The Chicago Florists' Club has selected the Chicago Great Western railroad as the official route to Minneapolis, Minn., for the annual convention of the Society of American Florists, August 19-22. The Florists' Special will leave the Grand Central Station, Fifth avenue and Harrison street, at 6:15 p. m., August 18, arriving in Minneapolis August 19 at 7 a. m. The rate from Chicago to the convention city and return is \$16.00. Florists and their friends, whether members of the club or not, who start from or pass through Chicago, are cordially invited to join the crowd for the trip. The train will be one of the best appointed in the country, and will include buffet-library cars, compartment-drawing room sleeping cars, observation and dining cars. The sleeping car rates are \$1.60 for upper berth and \$2.00 for lower berth. Compartments are \$5.00 and drawing rooms \$7.00. A table d'hôte dinner will be served for \$1.00. Music on the train will be a feature of the trip. Full information may be had by addressing J. B. Deamud, Chairman Transportation Committee, Chicago Florists' Club, 160 North Wabash avenue, Chicago.

American Sweet Pea Society.

ANNUAL EXHIBITION AND CONVENTION
JULY 12-13.

At a very enthusiastic meeting of the executive committee, held in Horticultural Hall, Boston, Mass., Saturday, June 28, President William Sim presiding, the following special prizes were received and placed on record and will appear in the schedule apart from those already published:

Messrs. R. & J. Farquhar & Co.'s prize for the best six vases of Sweet Peas, 25 sprays to vase, 6 distinct Speneer varieties; first prize, \$15.00; second prize, \$10.00.

The John Lewis Child's prize. For the best vase of mixed Sweet Peas not more than 25 sprays; first prize, \$5.00; second prize, \$3.00; third prize, \$2.00.

The Penn Silver Cup, value \$50.00, for the best display 50 square feet.

The Boston Flower Exchange, Inc. prize: 6 vases, 6 varieties, 100 sprays to a vase, arranged for effect, Gypsophila, Sweet Pea Haulm Ferns or other foliage can be used; arrangement to count 50 per cent: first prize, \$15.00; second prize, \$10.00; third prize \$5.00.

Mount Desert Nurseries prize. For basket of Sweet Peas, arrangement to count; first prize, \$10.00.

BOSTON GARDENERS AND FLORISTS' CLUB.

PRIZES FOR CHILDREN.

First prize, \$3.00; second prize, \$2.00; third prize, \$1.00; fourth prize, 50c; fifth prize, 25c.

Best vase white, 6 sprays to a vase.

Best vase light pink, 6 sprays to a vase.

Best vase deep pink, 6 sprays to a vase.

Best vase lavender, 6 sprays to a vase.

Best vase crimson or scarlet, 6 sprays to a vase.

Best vase any other color, 6 sprays to a vase.

For the best bouquet of Sweet Peas; first prize, \$5.00; second prize, \$3.00; third prize, \$2.00.

Peter Henderson & Co.'s prize for private gardeners. 12 vases of Spencer Sweet Peas, in 12 varieties, 25 sprays to a vase: first prize, \$15.00; second prize, \$10.00.

Peter Henderson & Co.'s prize for amateurs. 12 vases Sweet Peas, 12 varieties, 12 sprays to a vase; first prize, \$12.00; second prize, \$8.00; third prize, \$5.00.

Also donations for the guarantee and general fund were received and promised by the following firms and gentlemen: Fottler, Fiske, Rawson Co., Means & Thatcher, Peter Fisher, J. L. Miller, Lord & Burnham Co., Henry Comley, A. D. Sterns Lumber Co., Boston Cut Flower Co., J. H. Breck & Sons, R. & J. Farquhar Co., W. N. Craig, Welch Bros., Mt. Desert Nurseries, G. B. Dorr.

The following were nominated for judges: William H. Duckham, Madison, N. J.; Edward Kirk, Bar Harbor, Me.; Geo. W. Kerr, Doylestown, Pa.; A. H. Wingett, Lenox, Mass.; Charles Knight, New York, N. Y.; Charles H. Totty, Madison, N. J.; Andrew Mickle, Newport, R. I.; E. H. Wetterlow, Manchester, Mass.; Samuel Goddard, South Framingham, Mass.; Thomas Roland, Nahant, Mass.; W. T. Hutchins, Millbury, Mass.; Arthur Griffin, Woburn, Mass.; W. H. Waite, Yonkers, N. Y.; William Kleinheinz, Ogontz, Pa.

The following managers for the exhibition were appointed: James Wheeler, Natick, Mass.; Robert Cameron, Cambridge, Mass.

For schedules and other information write to Harry A. Bunyard, Secretary, 342 West 14th street, New York, N. Y.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By gardener, on commercial or private place; 12 years' experience growing all kinds of cut flowers, plants under glass, vegetables and taking care of lawns; Englishman, age 26. Address, Key 860, care American Florist.

Situation Wanted—By Gardener, on commercial or private place; 12 years' experience in growing all kinds of cut flowers, plants under glass, vegetables, care of lawns. Age 26. Address, Key 852, care American Florist.

Situation Wanted—In private place, 18 years experience in flowers, vegetables, care of lawns, well up in all branches. Can speak English, German and Swedish; age 32 years. Married, no children. Address, Key 851, care American Florist.

Situation Wanted—Young business man of refinement who has failed in his own business, wishes to meet widow who owns large store. Desires position as designer of floral pieces for funerals. 30 years old. Address, Key 850, care American Florist.

Situation Wanted—As Gardener on commercial or private place, German, age 38, married, with small family. 22 years experience in all branches of gardening and florist work. Good landscape gardener. Can furnish best references. Address, Key 854, care American Florist.

Situation Wanted—By gardener; Scotch; as head in private place; experienced in all branches of gardening, inside and out. Over 20 years in large establishments growing all kinds of greenhouse plants and vegetables. Also care of lawns and landscape work. Age 37; married; no family. ARCH LITTLEJOHN, 39 Temple St., Somerville, Mass.

Help Wanted—Two good American Beauty growers; state wages. Address, Key 853, care American Florist.

Help Wanted—A good plant man, must understand the growing of all kinds of pot plants; good reference necessary. Address, Key 845, care American Florist.

Help Wanted—A Rose Grower, \$75.00 per month. Married man preferred. HESS & SWOBODA, 1415 Farnum St., Omaha, Neb.

Help Wanted—Gardener, man with experience and ability to manage my twenty acre country estate. References required. Address, THEO. F. THIENE, Fort Wayne, Indiana.

Help Wanted—A-I Rose Grower, must be sober and reliable. German married man preferred, familiar with growing in the East. Address, Key 857, care American Florist.

Help Wanted—A good Chrysanthemum grower and Plantsman; single preferred. Good wages and steady position if he makes good. METAIRIE RIDGE NURSERY CO., Ltd., New Orleans, La.

Help Wanted—Foreman cut flowers only; no design work. Must be well versed in roses, carnations and mums. Please state experience, salary expected and age. MAX RUDOLPH, 11 W. 12th St., Cincinnati Ohio.

For Rent—Good paying florist store; greenhouse in connection. Address, ED. PALMER, 3435 W. Chicago av., Chicago, Ill.

For Sale—3 houses about 7,500 feet of glass; 4 acres; dwelling and barn; 20 miles from New York City; 2 minutes to station. Address, CHAS. MILLANG, 55 W. 26th st., New York.

For Sale or Rent—Greenhouses, 110,000 square feet of glass, consisting of three sections, in Chicago. Address, Key 860, care American Florist.

For Sale, rent or exchange—Two greenhouses, 2,800 feet of glass; established business; immediate possession. A bargain. PATTERSON, Horn Building, Corry, Pa.

For Sale Cheap—Two horizontal return tubular boilers, one 50 h. p., one 40 h. p., suitable for greenhouse or heating plant. Write for full description and price. W. H. BARRETT, Adrian, Mich.

For Sale—Old established retail florist business on a leading avenue of New York City. Good reasons for selling. Terms reasonable. A. F. F., care American Florist, 124 E. 24th Street, New York.

For Sale or Rent—Greenhouse, 10,000 sq. ft. of glass; modern Concrete, Iron and Wood construction double strength glass, steam heated, electric lights, city water, built in 1909. Best condition. Population, 14,000; location, Oklahoma. Price right. Address, D. B. N., Box 82, Clarion, Iowa.

For Sale Cheap—To be removed by Oct. 1st. Between 5,000 and 6,000 feet of glass; about 2,000 feet 4-in. cast iron pipe; two nearly new sectional boilers; water-piping; windmill; 100 bbl. tank and other property, including stock. Near Chicago. Good chance for party building a moderate plant to pick up a lot of material cheap. Address, Key 844, care American Florist.

For Sale—Here is an opportunity in the "Far West" where there is no hay fever, floods or cyclones: A well established and paying floral business, in a city of 12,500, controlling the select trade of the city and surrounding country, with another store 80 miles away in a town of 4,500, which is the only store in the town. The plant consists of two stores, three greenhouses 16x125 each, one lean-to 9x125 (all attached), hotbeds and sash, 35 H. P. T. boiler, four room dwelling, large boiler room and potting shed, complete pumping plant, automobile, 3-10 acres land; everything first-class and in first-class condition. We sell more than we can produce. This is an opportunity to get into the business in a new and fast growing country. Books are open for inspection. Reasons for selling will be given. Address, Key 840, care American Florist.

Help Wanted.

Gardener, to run a small greenhouse plant singlehanded; must be a responsible party. Wages, \$75.00 and house.

A. Klokner, Wauwatosa, Wis.

Storeman.

An A-1 man is open for engagement. Chicago preferred. For further particulars, address

Key 858, care American Florist.

FLORIST OR GARDENER

Firm in the general nursery and greenhouse plant business has vacancy for young man, well informed on trees, shrubs, herbaceous perennials and general greenhouse stock, to handle a section of the correspondence in these lines. State age, practical experience in above lines and wages. Address, Key 855, care American Florist.

WANTED

A Carnation Grower for large modern range near New York City; must be able to produce flowers of the very highest quality; have ability to handle a staff of men and run the place in an up-to-date manner. Salary is one of the largest in the east and the place offers exceptional opportunities for the right man. Applicants must furnish the best of references which will be treated confidentially. Interview can be arranged if necessary. Address,

Key 848, care American Florist.

SALESMEN WANTED.

Two good openings for aggressive men open for engagement July first. State fully, experience and salary wanted. Application will be kept strictly confidential.

Northrup, King & Co., Seedsmen, Minneapolis, Minn.

THE CHRYSANTHEMUM MANUAL.

BY ELMER D. SMITH.

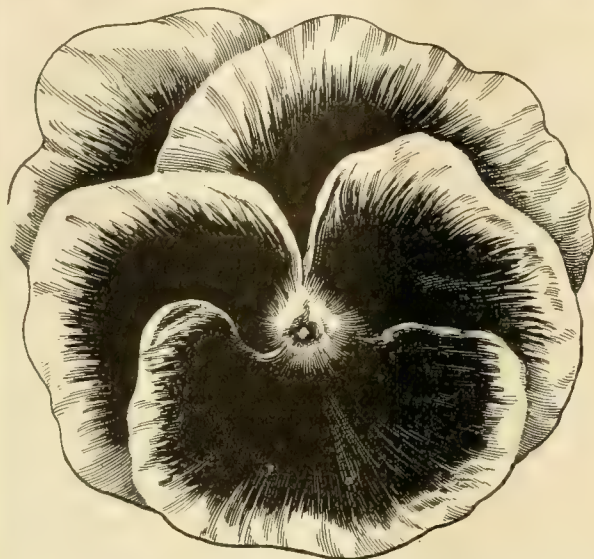
NEW AND REVISED EDITION.

Price 50 Cents. Cash with order.
AMERICAN FLORIST CO.
440 S. Dearborn St., CHICAGO.

TO FILL THE EMPTY BENCHES OFFER YOUR SPECIALTIES NOW

CHRYSANTHEMUMS,
ROSES, LILIES,
PALMS, BEGONIAS,
BOSTON FERNS, ETC.

The KENILWORTH Giant Pansy



Seeds are all grown by myself and are offered in the following mixtures and separate colors:

KENILWORTH STRAIN—The flowers are of perfect form and substance; many of the immense flowers are from 3½ to 4 inches; it is a striking collection of beautiful colors and markings, rich with shades of red, brown, bronze, mahogany and many others too numerous to mention.

KENILWORTH SHOW—An extra fine strain of large flowers; the immense flowers are of circular form and great substance; a beautiful collection of colors and markings.

KENILWORTH CUT FLOWER MIXTURE—Is a distinct class by itself, surpassing all other strains as a cut flower or for exhibition purposes, for inside or outside growing; the large flowers are carried erect above the foliage on heavy stems, 7 or 8 inches long, in the most graceful manner, and stand the hot, dry weather well.

MASTERPIECE—A remarkable type; the curled, wavy petals giving the flower a double appearance, its large flowers of great substance, on long, strong stems.

ORCHID FLOWERED, Mixed—A dwarf free bloomer with a range of delicate colors that do not exist in any other pansies, a remarkable combination of light rose, shell pink, blush mauve, fawn, light brown, orange and chamois.

New Seed Now Ready.

Pansies in Separate Colors: 1000 seeds, 25c; 5000, \$1.00; ¼-oz., \$1.25; 1 oz., \$5.00.

1000 Seeds	
Giant Adonis, light blue with yellowish white face, large dark blotch.....	\$0.25
Giant Emperor William, ultramarine blue with purple violet eye.....	.25
Giant King of the Blacks, coal black.....	.25
Giant Lord Beaconsfield, violet upper petals shading to white.....	.25
Giant Yellow, pure golden yellow.....	.25
Giant Yellow with dark blotch.....	.25
Giant White, satiny white.....	.25
Giant White with large violet center.....	.25
Giant Red, a fine mixture of red shades...	.25

1000 Seeds	
Giant, royal purple, fine large flower.....	\$0.25
Giant, bronze and copper mixture.....	.25
Giant, light blue, sky blue.....	.25
Giant, dark blue, deep blue shades.....	.25
Giant Zebra, mixed shades, striped.....	.25
Giant McKinley, yellow, each petal blotched with a deep reddish brown.....	.25
Giant Psyche, ruffled violet, white margin.....	.25
Giant Mad. Perret, red and wine shades.....	.25
The preceding 17 sorts mixed in equal proportions.....	.25
Any 5 pks., \$1.00; any 11 pks., \$2.00.	

Rainbow is a mixture of the most beautiful, gorgeous colors: blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send 1000 of Rainbow free and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

Tornado Insurance.

Florian D. Wallace, the tornado insurance expert who carried the risk on Hoerber Bros.' greenhouses at Des Plaines, Ill., which were partially destroyed last March by a cyclone, is now catering to the trade on a larger scale. He has prevailed upon a syndicate of old and well known stock fire and tornado insurance companies, with combined assets of over \$25,000,000, to write Greenhouse Windstorm Insurance. This is an entirely new and rather hazardous field for insurance companies, and they will proceed very cautiously for the present, covering only well built ranges in good repair, and only those in northern Illinois. Later in the year, however, when a better knowledge of conditions and requirements is obtained, the territory will be extended to cover other states. The policies will cover broadly greenhouses, boiler houses, dwellings, barns, live stock and all other property of the assured, fixed and movable, on his premises, except windmills, metal stacks, hot beds and growing plants, shrubs and trees. There are no troublesome conditions in the policy, and no warranties except an agreement to insure for at least fifty (50%) per cent. of the value of the plant. The rates are surprisingly low for the hazard, and it will be only with the most careful inspections and selection that the insurance can be written at present prices. Mr. Wallace is personally visiting the various greenhouse centers near Chicago for the purpose of making these inspections, quoting rates and explaining the proposition generally. Interested growers are urged to advise him at once, so that he will not miss them when again in their district. Mr. Wallace says that, in addition to tornado in-



POINSETTIAS

**JULY AND AUGUST DELIVERY.
TRUE TYPE.**

The Large Bract Kind, shipped out in 2½-inch Paper Pots. No soil lost in shipping.

Price, \$6.00 per 100; \$50.00 per 1000.

**A. HENDERSON & CO.,
352 N. Michigan Ave., CHICAGO.**

surance, he is also prepared to make very interesting rates for fire and employers and public liability insurance. Anyone interested in this matter can reach him by addressing his mail to Department 4, Insurance Exchange Building, Chicago.

Sedalia, Mo.

Leon S. Hines, formerly with Poehlmann Bros. Co., Morton Grove, Ill., has accepted a position with the Archias Floral Co. of this city, and is now in charge of the growing department for the local company.

Plans for the new office building to be erected by the Archias Floral Co. have been completed by the architect, and bids for the structure will probably be opened early this week, and

the material for the new greenhouse is on the way.

L. A. Kipping of this firm was in Chicago during the last week of June assisting in the selection and shipping of the new greenhouse material which Foley supplied.

MONTCLAIR, N. J.—At the annual Rose Show held at the Art Museum, June 21-22, several beautiful collections were shown by prominent exhibitors.

SEATTLE, WASH.—Probably the most magnificent exhibits in the history of rose shows here, were displayed at the Mount Baker Park Improvement Club's annual floral event, June 21-22. More than 50,000 people visited the show, which was held in a tent set up in the center of the park.

GREENHOUSE WINDSTORM INSURANCE

I am the **ONLY AGENT** selling this insurance in Illinois.

No quotations made or insurance issued except on inspection. Surveys being made now by districts. If unable to call on me in person, **WRITE AT ONCE** for full particulars. Your plant will then be inspected the next time I am in your town.

MILLION DOLLAR STOCK COMPANIES
ALL LICENSED BY STATE OF ILLINOIS.

Reasonable rates for well built ranges.

FLORIAN D. WALLACE



INSURANCE EXCHANGE BUILDING

CHICAGO

Department 4.

References { Northern Trust Co.; Chicago.
National City Bank, Chicago.

Established 1899

Easter Lilies.

Fine Lot Very Cheap.

Write Us for Prices.

Beauties and Roses.

Carnations.

We offer Pink and White Carnations at \$10.00 per thousand in lots of 500 or more and Roses assorted, \$20.00 per thousand in lots of 500 or more.

BASSETT & WASHBURN

LONG DISTANCE PHONES,
CENTRAL 1457.
AUTO., 47-314.

OFFICE AND SALESROOM,
131 N. Wabash Ave., CHICAGO, ILL.

Chicago.

RECORD HEAT AFFECTS TRADE.

The record heat of the past week has affected trade a great deal and there is but a very little demand for stock. Fifteen deaths were reported from the heat on June 30, when the temperature had reached the 98 degree mark at noon. In some parts of the city thermometers reached the 105 degree mark on the streets. Prostrations were reported from homes, street cars, department stores, and in the busy loop streets, and the people, most of the time, were trying to keep cool instead of even thinking of buying flowers. Stock of all kinds are overplentiful and plainly show the effects of the extreme hot weather. First-class stock, of which there is very little, finds a very good sale, but there is a large quantity of inferior grade that does not find a purchaser. American Beauty roses have been in unusually large supply the past week and have been sacrificed at exceedingly low prices. Some good Kaisers, My Marylands, and Rhea Reids are arriving and are selling well. Killarney is of fairly good color, but the flowers lack substance and open quickly, and White Killarney has the same fault, and the color of these flowers is not nearly as white as Kaiserin. The planting of the young stock has shortened up the cut considerably, but there is still plenty of stock around. It is almost impossible to ship the stock safely any great distance, for it opens almost before it reaches the store. While there are very good carnations, they are not numerous, and there are many that are small. The quantity received is growing smaller as preparations for planting the young stock proceeds. There are plenty of *Lilium giganteum* and *L. candidum* to

be had. Nymphaeas are seen everywhere and many of the retailers are featuring them in their window displays. Gladioli are of good quality and have been bringing fairly good prices, especially the best America. Orchids are in oversupply and some fine blooms are obtainable, which enables the buyers to make a grand showing at very little expense. Peonies are still a factor on the market and the first shipments of northern-grown stock arrived this week. Gaillardias, coreopsis, rudbeckias, daisies and delphiniums all add to variety to be seen and make a fine show. Ferns are now arriving, of good quality, and prices are down to normal figures.

NOTES.

N. T. Barrett, of Hutchison, Kans., spent a few days in this city on his way via the S. S. Northland to Buffalo, thence down the St. Lawrence river through the Thousand Isles, thence via Hudson river to New York, thence via Philadelphia, Washington, Baltimore to the Atlantic coast, where he and Mrs. Barrett will spend some pleasant weeks celebrating the twenty-fifth anniversary of their wedding. While here Mr. Barrett placed an order with the Foley Mfg. Co. for four greenhouses, each 14 ft. 9 ins. x 156 ft. 6 ins., being duplicate of an order placed with the same firm just a year ago. We wish the happy couple many pleasant anniversaries.

Guy French, Richard Salms, C. G. Anderson and Harry Browder, with Poehlmann Bros. Co. of Morton Grove, made a trip to Milwaukee, Wis., last Sunday, June 29, returning home the following morning. They had occasion to witness the terrible automobile accident on their return, which happened on this side of Libertyville, when one of the occupants of the oth-

H. VAN GELDER

L. M. JONES

PERCY JONES
INC.

WHOLESALE COMMISSION FLORISTS

55 East Randolph Street
CHICAGO

THIS WEEK ONLY.

CYCAS LEAVES.

	Per doz.	Per 100
12 to 14 inch.....	\$0.35	\$2.25
14 to 16 inch.....	.40	3.25
16 to 20 inch.....	.50	3.75
20 to 24 inch.....	.60	4.50
24 to 28 inch.....	.70	5.50
28 to 32 inch.....	.80	6.00
32 to 36 inch.....	.90	7.00
36 to 40 inch.....	1.00	7.25
40 to 44 inch.....	1.10	8.00
44 to 48 inch.....	1.20	8.75
Assortment of 100 Leaves, 10 each, for \$6.00.		

3% Discount for Cash.

If any item we ship is not entirely to your satisfaction, return it upon receipt and we will gladly pay return charges and ask no questions. Merely say you cannot use it.

Watch This Column Every Week.

YOU LOSE MONEY

When you buy without writing us for prices

er car was pitched from the machine into a telephone pole and instantly killed.

F. J. Simons, manager of Percy Jones' cut flower department, has returned from his vacation and is now giving the force a hand with inventory work.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

SPECIAL QUOTATIONS

{ EASTER LILIES,
CARNATIONS,
ROSES GOOD
SHORT

Consult
Our WEEKLY PRICE LIST
for these quotations.

Send in Your Name and Address for Our Weekly Quotations or Change of Address.

FOR THE SUMMER MONTHS we will have a continuous supply of first-class Roses and Carnations. While you are replanting and getting your place in shape get your supply from us. We are now cutting good supply of **Milady, Sunburst, Russell, Killarney Queen, Bulgarie, Aaron Wards, Killarney, White Killarney, Richmonds; Valley, Easter Lilies, Carnations, Am. Beauties.** Roses are cut tight in bud during hot weather. **SATISFACTION GUARANTEED.**

Poehlmann's Valley and Orchids Always the Best.

THE NEW FANCY FERNS are now ready. Let us quote you for your season's supplies, on regular shipments by the case.

Adiantum Smilax Galax Sprengeri Plumosus

NOTICE: The Chicago Post Office does not deliver mail between One o'clock on Saturday and Monday morning. Mail orders for shipment during the Summer that cannot reach us before noon Saturday should be wired. We earnestly advise **Night Letter Telegrams** or **Special Delivery** where shipment should be made Saturdays or Sundays.

OUR CITY STORE will close during July, August and September at 5 p. m. week days and noon on Sundays and Holidays.

SUPPLY DEPARTMENT

Our Catalogue will be ready for mailing about July 15th, **WAIT FOR IT** before placing your fall order elsewhere. In the meantime if you want wire designs our Discount will be 35 per cent for orders taken during July. On Wheat Sheaves, we shall allow 15 per cent during this month.

Greenhouse Paint

Liquid Putty

Greenhouse Putty

Glazing Points and Brads

Greenhouse Hose

Daylight Cleaner

A Postal Will Bring Our Catalogue To You. Write Now.

WIETOR BROTHERS

162 N. Wabash Avenue,

CHICAGO.

CURRENT PRICE LIST—Subject to change without notice.

American Beauties

Per Dozen	Per Dozen
60 in. stems.....\$3 00	24-in. stems.....\$1 50
48-in. stems.....2 50	16-in. stems.....1 25
36-in. stems.....2 25	12-in. stems.....1 00
30-in. stems.....2 00	

White Killarney, Richmond, Maryland

Killarney.	Per 100	Per 100
Extra special.....	\$ 7.00	Medium.....\$4.00
Selects.....	6.00	Good.....3.00
Fancy.....	5.00	Short stems.....2.00

Roses, our selection - - - \$3.00

Sunburst

	Per 100
Extra special.....	\$10.00
Fancy.....	8.00
Good.....	6.00

Carnations.

Special.....	\$2.50
Good.....	\$1.50 to 2.00
HARRISII.....	\$12.50 to 15.00
FERNs, per 1000.....	\$2.50
NEW FERNs, per 1000.....	2.00
SMILAX, per doz.....	\$2.00 to 2.50
ADIANTUM, per 100.....	1.00
GALAX, per 1000.....	1.00
SPRENGERI, per bunch.....	.50
ASPARAGUS SPRAYS, per bunch.....	.50

Arthur C. Irons, assistant general passenger agent for the Chicago-Great Western Railway, has returned from the convention at Minneapolis, Minn. Mr. Irons reports that a new track has recently been laid and that his road is now in readiness for the "florists' special" which will leave the Grand Central station, Fifth avenue and Harrison street for Minneapolis at 6:15 p. m., August 18, arriving in Minneapolis August 19 at 7 a. m. the opening day of the convention.

John Zech reports that the picnic of the Cook County Florists' Association will be held at Karthouser's Grove, 6656 Ridge avenue, on Sunday, September 7. A return postal card has been mailed to all the members of the association asking them to assist at the picnic and the returns so far have been very encouraging, but there are still a number that have not yet been heard from. Further particulars in regard to the program will be announced later.

Edgar Winterson, chairman of the Florists' Club sports committee, and Frank Potocka made a trip to Michigan City this week to inspect the picnic grounds and make the other necessary arrangements, but after careful consideration decided that the lake city was out of the question as far as the picnic was concerned, and are now looking elsewhere for suitable grounds.

Philip L. McKee, of the John C. Moninger Co., says that there is still a scarcity of pecky cypress and that it is almost impossible to secure a supply from the mills. The cost of this material has advanced at least \$1.00 to \$1.50 per 1,000 feet.

Poehlmann Bros.' Co. is cutting a tremendous supply of choice orchids and August Poehlmann now takes great pleasure in showing the many visitors at Morton Grove the houses which are now a pretty sight, being a mass of magnificent blooms.

J. J. Miller and Miss Anna Ottenrieter were married at Wilmette on Wednesday, June 25, where they will reside in the future. The groom has charge of the Miller greenhouses in Wilmette and is a son of N. P. Miller of Kennicott Bros. Co.

The stockholders and directors of the Chicago Flower Growers' Association will hold their annual meeting at the store next Monday, July 7, when the election of officers for the ensuing year will be held. Four new directors will also be elected.

E. E. Pieser says that Kennicott Bros. Co. expects to receive the first shipments of peonies from the Kennicott-Jurgens farm at Calumet, Mich., this week. August Jurgens is in Michigan at present looking after the plantation.

The regular meeting of the Florists' Club will be held next Thursday, July 10, when all the members are requested to be present. The arrangements for the picnic will be announced and other matters will be taken up.

Wietor Bros. have started to plant their carnations and the work is already well under way. The "Pikers' Club," of which N. J. Wietor is a member, has postponed their annual outing until next year.

The Chicago Carnation Co. is now booking orders for field grown carnation plants for July 12 delivery and after. Their list contains all the best new and standard varieties that are now being grown.

The Alpha Floral Co. has had an unusually good year and business during the last month was very satisfactory. Wedding orders were numerous and helped increase the daily sales considerably.

The teamsters' strike in Cincinnati has left the florists in that city without any ice, consequently several of the local houses report having had many regular standing orders cancelled.

Nic. Larch lost a valuable horse on June 28 when it was overcome by the intense heat. Mr. Larch hauls the flowers into the market for the High Ridge and Evanston growers.

R. H. Hartman, with the A. L. Randall Co., left for Summerfield, Kans., on June 29 to visit his folks. C. Whittinger, with the same firm, is back from St. Louis, Mo.

H. V. Bamford, with the Martin-Forbes Co., Portland, Ore., was a recent visitor enroute to England and Scotland, where he will spend the summer.

Sam Bloom, who does the buying on the local market for several out-of-town retail stores, is visiting at Cleveland and Toledo, O., and Memphis, Tenn.

E. F. Winterson celebrated his forty-fourth anniversary of his birth on June 21. Ed is on the job at the store as usual and as young as ever.

A. L. Vaughan & Co. have received word from their growers that they can expect shipments of northern-grown peonies almost any day now.

A Vacation for Everybody.

The Wabash has issued an attractive summer tour book with the above title, in which you will find the kind of information you want. Write for a copy. It is free. F. H. TRISTRAM, Asst. Gen'l Passenger Agent, 68 W. Adams, Chicago.

Weiland & Risch will finish their planting at Evanston this week. The men have been working 'nights instead of days during the hot spell.

A. T. Hey says that trade is somewhat quiet out in Maywood, but that he manages to keep busy planting chrysanthemums.

Herman Rogers, Wieland & Risch's right hand store man, will leave on July 5 for a visit at Detroit and Spring Lake, Mich.

Roswell Schupp, of the J. A. Budlong store force, broke his right arm one day last week, while cranking an automobile.

Gus. Brostrom, who fills the position of shipping clerk at Peter Reinberg's store, is now enjoying his vacation.

The Retail Florists' Association will meet at the Union restaurant, July 9, at 2:00 p. m., for important business.

A. Miller, with A. Henderson & Co., left on June 28 for New York on a combined business and pleasure trip.

Dwight L. Harris, of the Pulverized Manure Co., has returned to Kansas City, Mo., after a short stay here.

George Holbrook, Poehlmann Bros. Co.'s order clerk, is visiting friends at Milwaukee and Janesville, Wis.

C. L. Washburn and wife left last Sunday, June 29, for Pasadena, Calif., to visit relatives and friends.

Frank Friedly with the J. M. Gasser Co., of Cleveland, O., was in the city this week on business.

Mrs. A. T. Pyfer of Joliet has returned from a delightful visit at Sheboygan, Wis.

Henry Dunn has resigned his position as salesman with Weiland & Risch.

Visitors: C. C. Pollworth, Milwaukee, Wis.; Frank Friedley, Cleveland, O.

PITTSBURGH, PA. — William M. Turner, a well-known florist of Wilkinsburg, is suing for severance of his marital ties from his wife, Mrs. Phoebe E. Turner, on grounds of desertion. Mrs. Turner is contesting the suit.

PETER REINBERG

Long Distance Phone Central 2846.

30 East Randolph St., CHICAGO.

Beauties = Roses = Carnations

Send Your Orders Direct to the Grower and They Will Be Taken Care of.

Current Price List

AMERICAN BEAUTIES		Per doz.		Per 100
36 inch stems.....		3 00		
30 inch stems.....		2 00		
24 inch stems.....		1 50		
20 inch stems.....		1 25		
15 inch stems.....		1 00		
12 inch stems.....		\$6 00 per 100		
Short Beauties.....		4 00 per 100		
Richmond.....			Per 100	
Killarney.....	Select.....	\$6 00 to 8 00		
White Killarney...	Medium.....	4 00 to 5 00		
My Maryland.....	Short.....	3 00		
			Mrs. Aaron Ward	Medium..... \$8 00
				Short..... \$4 00 to 6 00
			Roses, our selection.....	3 00
			Carnations, all good.....	1 50 to 2 00
			Carnations, fancy.....	2 50
			Harrisii.....per doz.	\$1 50 to \$2 00
			Valley.....	3 00 to 4 00
			Smilax.....per doz.	\$2 00
			Peonies.....	6 00 to 8 00
			Adiantum.....	1 00
			Asparagus, per bunch.....	50c
			Ferns, per 1,000.....	\$2 00

Foley Awarded Heavy Damages.

A jury in Judge Pomery's section of the circuit court of Cook County at Chicago, rendered a verdict in favor of the Foley Mfg. Co. against the City of Chicago, with damages of \$22,500, June 27, 1913. This suit was brought by the plaintiff to recover for damage to its plant at Western avenue, Artesian avenue, Twenty-fifth and Twenty-sixth streets, caused by the Chicago, Burlington & Quincy railroad in the elevation of its tracks pursuant to an ordinance of the city council compelling all the railroads to elevate their tracks. The elevation of the Chicago, Burlington & Quincy's tracks at the above location deprived the plaintiff of the use of its switch track, which, previous to elevation of the road bed, permitted the placing at one time for loading or unloading of as many as 10 cars, compelling plaintiff to load and unload its cars elsewhere at great loss and inconvenience, and further, reducing the value of its lumber yards for drying purposes, the railroad constructing an embankment and concrete walls 14 feet high for a distance of about 700 feet to the west and southwest of Foley's lumber yards, thereby cutting off the usual southwest winds of summer so favorable to the air drying of that famous air-dried cypress that made Foley so familiar a word in greenhouse circles.

UNION, Mo.—Attention is called to the new inspection law passed last winter by the legislature, which becomes effective this summer, and which is interesting to growers, shippers, planters of fruit trees, vines, shrubs, and other nursery stock, is now ready and can be had by addressing the chief inspector of nurseries and orchards, Columbia, Mo.

The Chicago Great Western has been named the Official Route of the Chicago Florists' Club to the Minneapolis Convention, August 19th to 22nd.

The Chicago Florists' Club will leave Chicago by Special Train at 6.15 p. m., August 18th, an invitation is extended to all eastern Florists and their friends and families to join them at Chicago and go to the convention in a body.

Special train will be "up-to-the-minute" throughout—including compartment and drawing room and standard sleepers, Buffet Club car, dining cars, Observation parlor, etc., etc.

For berths and information address,

A. L. CRAIG, General Pass. Agt.,
1139 People's Gas Bldg., CHICAGO, ILL.



YOU CAN GET THEM HERE

All the Best Summer Flowers in Quantity

**Roses, Carnations, Peonies, Lilies, Gladioli,
Orchids, Sweet Peas and all kinds of Greens.**

A. L. VAUGHAN & CO.,

161 N. Wabash Ave.,

(NOT INC.)

TELEPHONES: { Central 2571
2572
Auto. 48-734

CHICAGO

St. Louis.

STOCK SCARCE.

We have experienced the hottest weather of the year and business is practically at a standstill. The market has shown a great scarcity of good stock. White roses are very scarce and all the good stock sells at sight. Many carnations are worthless. A few asters are arriving. Indoor gladioli are about over and the outdoor stock has not yet made its appearance. Good lilies are seen. American Beauties are plentiful in all lengths, but the quality is none too good.

NOTES.

V. J. Gorly and wife will leave shortly for Mobile and the Gulf. Mr. Gorly, a prominent business man, states that 75 per cent of the florists are asleep on the question of birthday gifts. He believes the birthday gift should be pushed and made as much a fad as a floral emblem at the bier of a loved one, thus increasing a steady demand and materially assisting the retail business in general. He claims that every florist should do his part in advertising and creating this undeveloped field, now only partly covered.

Arthur Meyer, George Schriever, Frank Windler, A. Gunz and D. Geddes motored to the National base ball park Saturday afternoon and watched the game between the pirates and cardinals.

The Strohmeier Floral Co. will have a nice store when completed. The proprietor has a good knowledge of general store work and was for years in the employ of F. C. Weber.

At the next meeting of the Growers' Association F. C. Weber will furnish statistics as to the number of carnations grown, average blooms per plant and amount of profit.

Ostertag Bros. furnished the flowers and plants at the Krail wedding. The canopy was built of lily of the valley and roses. About 200 palms were used.

Alex Waldbart & Sons have had a very successful season. Planting out and landscape work was late, but everything is now completed.

Oscar May is building one house 140 x 40 ft. Anton Bros., three houses 125 x 22 ft., and N. A. Rowe, two houses 140 x 27 ft.

The picnic committee has dodgers out advertising the picnic. Will Osigies is very busy with the program of events.

H. J. Weber & Sons Nursery Co. are still shipping some good carnations to the W. C. Smith Wholesale Floral Co., Inc.

Some very good roses, especially Richmond, were seen at the Windler Wholesale Floral Co.

H. G. Berning has a fine lot of white carnations and a good supply of beauties.

Fifteen employes of Ostertag Bros. will give a picnic Sunday.

Harry Baldsley of Detroit, Mich., was with us this week.



Vincent J. Gorly.

G. H. Angermueller had a good supply of roses.

There is a growing demand all over for plants.

W. F.

Cincinnati.

BUSINESS FAIR.

Fiction writers and writers generally may write of the burning tropical sun, but that sun can't have anything upon the sample that is being handed out to us suffering mortals in this vicinity these days. The month of June presented two extremes in temperature. We had some of the coolest days and nights we have had in June in years, as well as some of the hottest. The cool weather came the early part of the month and was succeeded almost immediately by the torrid kind, which has lasted into July. It is wonderful that with sweltering weather like this and its effect on people and flowers that business is as good as it is.

The supply of both roses and carnations is shortening rapidly. The good and choice blooms of each generally find a fair demand. The supply of pink roses exceeds that of white. Lilies

are very plentiful and the offerings include some very choice stock. Fine pond lilies and Rubrums, too, are offered. Sweet peas enjoy a good call but the receipts are as a whole of a very poor quality. Shipments into town from nearby cities arrive absolutely spoiled while the local growers are cutting only a limited number of good ones. This week will probably see the last of them. Some fine extra long Shasta daisies have been coming in during the past fortnight. Most of the gladioli offerings are fine and they are selling well.

NOTES.

Don't forget Florist Outing at Coney Island on Thursday, July 17. Get tickets from Messrs. A. C. Heckman, Jr., R. C. Witterstaetter and Chas. H. Hoffmeister of the Committee, and at the various wholesale houses.

Mrs. P. J. Olinger and family intend to go to Evanston, Ill., this week on a visit to her folks. Mr. and Mrs. Weiland. The visit will last until almost school time in the fall of the year.

Geo. E. Fern had the decorations for the opening of the new quarters of the Chamber of Commerce in the Union Central Life Insurance Co. skyscraper.

Geo. Klotter has been cutting some of the finest Shasta daisies that have been seen in this market in a long time. The stems are easily three feet long.

Mr. and Mrs. Albert McCullough made a trip to Cleveland last week, in their auto, to attend the convention there.

C. E. Critchell has been receiving many good Mrs. Ward and Sunburst from South Floral Co., New Castle, Ind.

R. Strong and B. Delaney of the J. Chas. McCullough seed concern, returned from Cleveland on Saturday.

The W. R. Miller estate is sending some very fine gladioli into the market.

B. P. Critchell has been very sick for more than the past month.

Visitors: Mr. and Mrs. Martin Weber, Brookville, Ind.; Mr. and Mrs. Humphries, Zanesville, O.; C. H. Remagen, of the Idle Hour Nurseries, Macon, Ga.; J. Bubach of Schloss Bros., New York; Ellis Woodworth, of the Sefton Co., Chicago; Mr. Winters, Charleston, W. Va., and Mr. Thomas, Augusta, Ky.

H.

CHICKASHA, OKLA.—A. S. Gray, a local florist, has consented to lay out the plans for the new Vinca park. He will also donate flowers and plants. Hugh Mullen will be the park gardener.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

LILIES

Big supply of Fine Flowers

CARNATIONS

The Best the Market Affords

ROSES

Good Shipping Stock

SWEET PEAS

Choice outdoor stock

And everything else seasonable
in Cut Flowers and Greens.

Current Price List. Subject to change without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$2.00	1.50
Killarney.....per 100	8.00	6.00	5.00	4.00	3.00
White Killarney.....	8.00	6.00	5.00	4.00	3.00
My Maryland.....	8.00	6.00	5.00	4.00	3.00
Richmonds.....	8.00	6.00	5.00	4.00	3.00
Mrs. Aaron Ward.....	8.00	6.00	5.00		
Sunburst.....	8.00	6.00	5.00		
Carnations.....	3.00	2.00	1.50		
Lily of the Valley.....	4.00	3.00			
Peonies.....	6.00	5.00	4.00		
Sweet Peas.....	1.50	1.00	.75		
Easter Lilies.....	12.50	10.00			
Daisies.....	1.50	1.00			
Asparagus Plumosus Sprays.....	4.00	3.00	2.00		
Asparagus Sprenger Sprays.....	3.00	2.00			
Smilax.....	16.00	12.50			
Galax, Green and Bronze.....per 1000	1.00				
Ferns.....	2.00	1.50			
Boxwood.....bunch	.25				
Adiantum.....per 100	1.00	.75			

Boston.

STOCK CLEANED UP.

The business of the past week was very fair for the summer season. While, excepting the special grades of fresh and white roses, there were no high prices, stock cleaned up fairly well. Good white roses were on some days so scarce that representatives of retail stores made pilgrimages to greenhouses 10 or 12 miles from the city trying to secure them, which is sufficient proof that they have been scarce. Although the carnation season is fast waning, a fair supply of very good stock was on the market. W. R. Nicholson, of Framingham, brought in 5,000 blooms on the morning of June 23, and was sold out early in the day. On the same morning, the Budlong Rose Co., Auburn, R. I., put 6,000 roses in variety on the market and they were cleaned up by the morning of the 24th.

NOTES.

Thos. F. Galvin, Inc., has been very busy with wedding decorations, bouquets for graduating exercises and landscape work. Recently he had two very notable out of town wedding decorations. For one of these, at Westfield, Mass., it was necessary to hire a large freight car to transport the necessary palms. The counter trade and funeral work of the store has also been heavy.

Martin Wax, of Wax Brothers, who was married on June 17 to Mrs. Florence Dowling, has returned from his first honeymoon, and is receiving congratulations from his many friends. On August 5 the happy couple will sail for Europe. They will visit Berlin and Paris and be entertained by relatives of Mr. Wax, who are noted people in musical circles.

The meeting and exhibition of the Sweet Pea Society is being looked forward to with (July 12-13) much interest, and it is expected to be a banner exhibition. Doubtless there will be a large delegation of out of town visitors.

Penn. the Bromfield street florist, reports a large number of wedding orders.

At Newman's we found business active and everybody cheerful.

A. F. F.

Cleveland.

PLENTY OF STOCK.

There has been a slight shortage of white roses, especially in the better grades, lately, otherwise there is still plenty of stock to meet the demand. The last week in June was a busy one with the retailers, many good sized wedding decorations and the funeral of a multimillionaire, Mr. S. L. Severance, using large quantities of better grades of flowers. Lily of the valley and orchids were in good demand, and the last of the storage peonies are out. Carnations are getting smaller every day.

NOTES.

A new retail store will soon be opened by A. Schoen, formerly of Gasser Retail Store, and Mr. Frank Friedly, grower at Gasser's greenhouses at Rocky River. They have bought out the Jos. Eadie Co., both store and greenhouses, and will continue business under the old firm name for some time. As both are known to be men of experience in their respective lines, there is no doubt of their success, and a larger and better Jos. Eadie Co. will be the result.

The Jones-Russell Co. report a very busy week, with a wedding decoration every day, and double headers on some of them.

Mrs. Lincoln Brown reports she had five weddings on June 18, and one booked for every day the last week in June.

Knoble Bros.' new auto delivery wagon is the talk of the town, being the most up-to-date in style and finish.

Bramley & Son florists' baseball team was one of the features in the C. A. B. A. parade here on Saturday.

Edwin A. Reeves and wife left for a three weeks' vacation in the Adirondack Mountains in their automobile.

Geo. Berghouse was out for the first time in two weeks on Tuesday, June 24. He was laid up with lumbago.

C. F. B.

Washington.

MARKET AT A STANDSTILL.

The market is at a standstill with very little good stock to be had, but business is the same, so there is no shortage and no complaints from the stores.

NOTES.

Geo. Ernest, with Jacob Minder, is laid up with blood poison from scratching his hand on a rusty nail, but the latest report is that all danger is past, and we hope to see him around again soon.

O. A. Ochlmier is making a special sale every Saturday of dollar baskets and says he is well pleased with them and will continue to have them all through the summer.

The Bowling Club has started holding their weekly meetings, but some of the scores made would not look good in print so will omit them this week.

After July 1 all stores in this city will be closed at one o'clock on Sundays during July, August and September.

J. H. Small & Sons were very busy on June 26 with a very nice order for funeral work.

G. C. D.

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street, L. D. Phone, Randolph 6578 CHICAGO, ILL.

Pittsburg.

BUSINESS VERY POOR.

Pittsburgh has had in the past week some of the hottest weather handed us this year. It is not uncommon these days to see the mercury up between 90 and 95 degrees F., consequently most of our garden flowers are pretty well dried up and a few rains would greatly improve growing conditions. Hollyhocks, the old favorites, are now in the height of their glory and prove very popular among the garden beds. Coreopsis is not quite so good as it has been and many outside sweet peas are coming in, but are not much good, being small and very much dried up by the continuous droughts. Delphinium is about over with and took very well while it was here. Candidum lilies are on sale at the local markets, but do not sell very well. In the greenhouse line of stock, carnations are getting very poor and a few good roses are seen occasionally, but most of them are short-stemmed and of poor quality. Lilies are very plentiful and are being quoted as low as four cents. American Beauties are not overplentiful, but the condition of them on arriving in Pittsburgh is very bad, being wide open. Water lilies from Lake Erie have been coming in, but do not cut much of a figure with the buyers. Some very fine gladioli are being shipped from the Virginia fields. The new teas, Mrs. Geo. Sawyer, Lady Alice and L. A. Stanley, have all been introduced and were commented upon favorably. The new crops of fancy and dagger ferns are arriving and now are quoted at \$1.50 per thousand. Among the retailers, trade has been very poor, and the usual amount of funeral work and the late June weddings are about all that keep business going, as transient trade does not amount to much at this season of the year. The street fakirs are all smiling, being found on nearly every corner of the city crying their roses out at 10 cents a dozen. The plantsmen are all cleaning up their houses now, after passing through a very good season.

NOTES.

It is well worth the time to drop in at the A. W. Smith Co. and see the fine roses which they are cutting, among them being some fine Killarney Queen. Earl Tipton of the above firm has left for his vacation, and thereafter will move direct to the farm at Canfield where he will spend the summer.

The wholesale houses are now closing at 5 p. m. and will do so until September 15. Many of the clerks are now observing Saturday as a half-holiday, so we hope to encourage the retailers to do their buying early in the day.

John Sisley and John Martin, of The McCallum Co., are working hard to launch their 30 foot motor boat, the "Sismar," for the Fourth.

Mr. James Hutchison, aged 84, a retired landscape gardener of the North side, died at the home of his son June 26.

R. J. Daschbach had a busy time last week, having one of the largest weddings in some time.

F. Britenbaugh, of Millvale, has

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

been rushed with several funeral pieces of late.

C. H. Puhlman, the Carnegie Florist, is about to purchase a new motor truck.

Visitors: I. V. Kinder, Charleroi, Pa.; Geo. L. Huscroft, Steubenville, O.; J. F. Kennerdall, Tarentum, Pa. J.

Milwaukee.

TRADE 'QUIET.

Trade is quiet and stock is very plentiful. Last week was commencement week but there was a considerable falling off in trade compared with former years, and it is plainly noticeable that the use of flowers at these exercises is becoming less and less each year. Carnations are showing the effects of the weather, and roses also are arriving in poor condition. Asters have made their appearance.

NOTES.

The Florists' Club picnic is now the principal topic of conversation on the market, and while no arrangements have yet been made it promises to be a big affair.

C. C. Pollworth and a party of friends made an auto trip to Chicago on June 28, returning the following day.

Nic. Zweifel is cutting some fine Gloriosa carnations, which are now commanding good prices.

Harry Main, with Gust Rusch & Co., is spending his vacation at Little Cedar Lake.

Currie Bros. Co. is doing some extensive advertising in the street cars.

Will Kuhl, with the Holton & Hunkel Co., is enjoying a vacation.

Buffalo.

WEDDINGS AND COMMENCEMENTS.

The past two weeks have been very busy for the florist in the retail trade. Weddings of all sizes have kept all working, and in addition all the schools were having their commencements, which called forth a bunch from \$1.00 to \$10.00. The usual amount of funeral work helped to use up the short-stemmed stock. But from now until about Sept. 1st it will be vacations, when all from the proprietor down to the errand boy will enjoy a much needed rest. Stock has been equal to all demands and of good quality. Store improvements are contemplated by several, such as painting and redecorating.

There will be a meeting of the Florists' Club on Tuesday evening, when important business will be transacted and a committee appointed for the picnic.

J. B. Wiese now has one of the prettiest Stewart delivery cars to be seen on our streets, demonstrating beyond question that there is money in a stand on the market.

Oak Wreaths

Natural prepared American Oak Wreaths, made from preserved and fireproof Oak Sprays in cherry red, golden brown and natural green. Two sizes, 18 and 24 inch. Sample of 24-inch wreath will be sent postpaid on receipt of 90c.

OSCAR LEISTNER, 17 North Franklin Street
CHICAGO

Selling Agents for OVE GNATT Hammond, Ind.
Preparer of natural foliages.

Chicago Carnation Co.

Wholesale Florists.

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.



Dominick E. Freres

WHOLESALE FLORIST

Roses, Carnations and all other seasonable cut flowers and Greens. Fine fresh stock obtainable at all times at lowest market prices. Give me a trial order.

162 N. Wabash Avenue, CHICAGO

J. B. DEAMUD CO.

Wholesale Florists

Roses, Carnations, Lilies and all other seasonable flowers and Greens in quantity. All orders filled promptly.

160 N. Wabash Ave., Chicago.

The first vacation is always the best and J. B. Wiese, the czar of Chippewa Market, is making his annual trip to Denmark, accompanied by his two daughters.

Greenhouse men are about through with their planting and from now on will be arranging for fall work.

S. A. Anderson is going to put a tile floor in his lower store.

BISON.

CLEVELAND, O.—The American Seed Trade association held a three-day convention at the Hotel Statler, commencing June 24. Mayor Baker opened the session with an address of welcome. The convention ended with an auto trip to Storrs & Harrison Co.'s nurseries at Painesville.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Private Exchange to
all Departments. Phone Central 7720.

CHICAGO

Everything in Cut Flowers and Supplies.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids,
Peonies and Other Seasonable
Stock for Wedding Work.

Long Distance Phone
Central 3598.

Kennicott Bros. Co.

Wholesale Cut Flowers

PEONIES

Extra select, \$6.00 to \$8.00 per 100.

Select, \$3.00 to \$4.00 per 100.

163-165 N. Wabash Av.
CHICAGO

L. D. Phone Central 466

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS

Our Specialties.

HOERBER BROS.

Wholesale Growers of **Cut Flowers**

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., CHICAGO

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

ZECH & MANN

Wholesale Florists

30 East Randolph St., - - Chicago

Telephone, Central 3284.

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers
at Lowest Market Prices.

30 E. Randolph St., CHICAGO

Mention the American Florist when writing

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, July 2.	Per doz.
Roses, Beauty, specials.....	\$4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 28-in.....	2 00
" " 15-20-in.....	1 25@ 1 50
" " 12-in.....	50@ 75
Per 100	
" " Short.....	2 00@ 4 00
" Killarney.....	3 00@ 8 00
" White Killarney.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" Prince de Bulgarie.....	3 00@ 8 00
" Radiance.....	3 00@ 8 00
" My Maryland.....	3 00@ 8 00
" Melody.....	3 00@ 8 00
" Mrs. Jardine.....	3 00@ 8 00
" Lady Hillingdon.....	3 00@ 8 00
" Sunburst.....	3 00@ 8 00
Carnations.....	1 50@ 2 50
Daisies.....	1 00@ 2 00
Cattleyas...per doz., 6 00 and up.	
Gardenias.....	2 00@ 4 00
Lilium Harrisii.....	10 00@12 50
Peonies.....	2 00@ 8 00
Valley.....	3 00@ 4 00
Sweet Peas.....	75@ 1 50
Adiantum Croweanum.....	2 00
Boxwood.....per lb.	25
Ferns.....per 1000.	1 50@ 2 50
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy...per 1000.	5 00@6 00
Plumosa Strings...each.	50@ 60
Smilax.....per doz.	2 00@ 2 50
Sprengeri. Plumosa Sprays.....	3 00@ 4 00

We have a big supply of
Mexican Ivy

and a surplus of choice

MAGNOLIA LEAVES
AND PREPARED PALM LEAVES.

H. WITTBOLD

56 Randolph St., CHICAGO

Phone Randolph 4708

Mention the American Florist when writing

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing

Wietor Bros.

Wholesale Growers of **CUT FLOWERS**

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

C.C. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
**Choice Cut Flowers
and Greens**

Green Sheet Moss

For lining hanging baskets, for decorating
show windows, for covering soil on pot
plants, etc. 1 Bale (5 bundles).....\$1.25
5 bales (25 bundles)..... 6.00

GEO. H. ANGERMUELLER,
Wholesale Florist. ST. LOUIS, MO.

Philadelphia.
BUSINESS DULL.

The summer dullness is fast setting in, there have been a few weddings the past week, which helped a little, but not enough to keep the machinery going at half speed. There are quantities of flowers of average and poor quality, far more than the demand, these are hard to move, and the returns must be very small. Good eastern rose stock, particularly Beauties, is in demand and these clean up at very fair prices. Valley moves very well. Easter lilies are much used for funeral work and bring fair prices. Carnations are going back rapidly. There are a few fair white but the colored stock is much below par. Sweet peas have been excellent, but are getting shorter stemmed and will soon be out of it. Gladioli are now a standard flower and will be a factor for the next two months. There is a fair demand for cattleyas. These and Valley have the preference for choice funeral work.

Rambler roses from outside generally in demand at this time, were not so good this season, many of them being badly mildewed by the very cool nights of early June, and some were said to have even suffered from frost.

NOTES.

The sweet pea exhibition of the Pennsylvania Horticultural Society was interesting. W. Atlee Burpee staged a fine lot, among them a number of new ones, that received certificates of merit. The staging of this exhibit was fine. There were quite a number of smaller entries, and several tables of cut flowers from the herbaceous gardens which made a great showing.

The bedding plant men all say their business was very good, nearly all sold out clean. The Robt. Craig Co., who had an immense stock, have scarcely anything left, say it was the best season they have ever had.

The Leo Niessen Co. say they were well satisfied with the business of June as they moved a large quantity of stock. Prices, however, averaged a trifle lower than for the same period of last season.

Ed. Reid's force having gotten the stiffness out of their limbs from their work at the picnic, are hustling to keep the decks clear. Easter Beauties and Kaiserin are features here.

Easter lilies and sweet peas are leaders at Berger Bros.' Central Market. Asters are expected soon.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, July 2.	Per 100
Roses, Beauty, extra.....	16 00@25 00
" first.....	10 00@15 00
" Brides and Maids.....	3 00@8 00
" Killarney.....	4 00@8 00
" White Killarney.....	4 00@8 00
" Liberty.....	4 00@8 00
Carnations.....	2 00@4 00
Cattleyas.....	35 00@50 00
Gardenias..... per doz., 1 00@2 00	
Lilium Harrisii.....	8 00@12 00
Lily of the Valley.....	3 00@5 00
Calla Lilies.....	6 00@8 00
Marguerites.....	50@75
Snappedragons.....	4 00@6 00
Sweet Peas.....	50@75
Water Lilies.....	3 00@4 00
Peonies.....	4 00@6 00
Gladioli.....	3 00@6 00
Asparagus..... per bunch, 50	

PITTSBURG, July 2.	Per 100
Roses, Beauty, special.....	25 00
" extra.....	15 00
" No. 1.....	8 00
" Killarney.....	3 00@8 00
" My Maryland.....	3 00@8 00
" Richmond.....	3 00@8 00
Carnations.....	2 00
Calla Lilies.....	12 00
Daisies.....	1 00
Cattleyas.....	50 00
Sweet Peas.....	1 00
Lilium Longiflorum.....	8 00
Lily of the Valley.....	4 00
Coreopsis.....	50
Gladioli.....	6 00@8 00
Water Lilies.....	1 00
Asparagus Sprengeri, per bunch, 35@40	
Sprays.... per bunch, 35@40	

MILWAUKEE, July 2.	Per 100
Roses, Beauty, per doz., 3 00@4 00	
" White and Pink Killarney.....	2 00@8 00
" Richmond.....	2 00@8 00
" Wards.....	3 00@10 00
" Tafts.....	3 00@10 00
" Mrs. Chas. Russell.....	6 00@15 00
Carnations.....	1 00@2 00
Easter Lilies.....	8 00@10 00
Lily of the Valley.....	4 00
Sweet Peas.....	75@1 50
Daisies.....	75@1 00
Peonies.....	4 00@5 00
Asparagus..... per string, 50	
Sprengeri, per bunch, 35	
Ferns, fancy..... per 1000, \$1 50	

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,
142 North 13th St., PHILADELPHIA, PA.
Easter Lilies, Carnations, Sweet Peas,
all the popular roses. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES
C. A. KUEHN, Wholesale Florist.
1312 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.
WHOLESALE FLORISTS

1316 Pine St.,
Both L. D. Phones, ST. LOUIS, MO.
Supplies and Everything in Season always on hand

The H. A. Dreer Co. have had their annual clean up, with the close of the season July 1. The place has a finished look, it is clean everywhere, and the new year is started with the determination to always excel the busi-

Dagger Ferns, 1000, \$1.50

Special price in case lots. You will find no better quality ferns anywhere. We invite you to make comparisons.

THE LEO NIESSEN CO., Wholesale Florists, N^o W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranslead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

ness of the year just closed, and they have seldom, if ever, failed, last year particularly showing a large increase over that of the previous season.

Adolph Farenwald is just back from the rose gardens and exhibit at Hartford, is very enthusiastic over the great showing there, and believes that every community of every size should have such a garden or florists' clubs of the various cities should work up the necessary sentiment to bring it about.

New goods are arriving for the M. Rice Co. from Mr. Eschner's selections abroad, while home talent are busy working out new ideas for the fall trade. A great business is expected here the coming winter.

George Williams and Mark Mills spent a week recently in the Pocono Mountains fishing for bass. They had good luck, catching some very fine specimens.

Martin Samptmann of Myers & Samptmann has sailed for Europe to visit his old home in Germany. K.

SHELBYVILLE, KY.—E. P. Hall, the local florist, has purchased ten acres additional ground to use in connection with his business.

DETROIT, MICH.—The Michigan Cut Flower Exchange is considering the erection of a new three-story brick building on Randolph street just north of Gratiot avenue.

MINNEAPOLIS, MINN.—The Minnesota State Peony Association, an organization for the encouragement of the growth of the flower, and as believed, one of a few of its kind, was completed June 24 at a meeting held at the home of B. T. Hoyt, who was selected as temporary president. A committee was also appointed to draft a constitution and by-laws, which will be submitted at a meeting to be called later to elect permanent officers.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, July 2.		Per 100
Roses, Beauty, special.	20 00@25 00	
" " fancy	15 00@20 00	
" " extra	10 00@15 00	
" " No. 1.	7 00@10 00	
" " No. 2.	2 00@3 00	
" Maid and Bride.	3 00@6 00	
" Pink Killarney.	3 00@7 00	
" White Killarney.	2 00@7 00	
" Richmond.	2 00@7 00	
" My Maryland.	2 00@7 00	
" Aaron Ward.	2 00@5 00	
" Kaiserin.	4 00@7 00	
" Carnot.	4 00@7 00	
" Snappdragon.	2 00@3 00	
" Swainsona.	75@1 00	
" Carnations.	1 00@2 00	
" Lillium Longiflorum.	6 00@10 00	
" Lily of the Valley.	3 00@4 00	
" Pink Japan Lily.	3 00@5 00	
" Mignonette.	1 00@2 00	
" Daisies.	1 00@1 25	
" Sweet Peas.	20@50	
" Gladioli, indoor.	4 00@6 00	
" " Baby.	3 00@4 00	
" Peas, outdoor, per bunch.	10c	
" Asparagus, per bunch.	35@50	
" Asparagus, Sprenger.	35@50	
" Ferns.	per 1000, \$2 50	

BOSTON, July 2.		Per 100
Roses, Beauty, best.	15 00@20 00	
" " medium.	10 00@12 00	
" " culls.	2 00	
" " White and Pink Killarney.	6 00	
" " Special.	6 00	
" " White and Pink Killarney.	4 00@6 00	
" " Extra.	10 00@12 00	
" " Double White Killarney.	8 00@10 00	
" " Killarney Queen Special.	10 00@12 00	
" " Mrs. Chas. Russell.	6 00@8 00	
" " Sunburst, Special.	2 00@8 00	
" " Taft.	2 00@10 00	
" " Cardinal.	1 00@6 00	
" " Ward and Hillingdon.	2 00@8 00	
" " Richmond.	2 00@8 00	
" " My Maryland.	1 50@2 00	
" Carnations, select.	25 00@40 00	
" Cattleyas.	12 00@25 00	
" Gardenias.	4 00@6 00	
" Lillium Longiflorum.	2 00@3 00	
" Lily of the Valley.	50@75	
" Sweet Peas.	75@1 50	
" Daisies, Marguerites, per doz.	75@1 00	
" Peonies.	2 00@3 00	

CINCINNATI, July 2.		Per 100
Roses, Beauty.	per doz., \$1 00@3 00	
" " Bride, Bridesmaid.	2 00@6 00	
" " Killarney.	2 00@6 00	
" " My Maryland.	3 00@6 00	
" " Perle.	3 00@6 00	
" " Richmond.	2 00@6 00	
" " Taft.	2 00@6 00	
" " Carnations.	1 50@3 00	
" " Lillium Gigantum.	8 00@10 00	
" " Lily of the Valley.	3 00@4 00	
" " Gladioli.	3 00@8 00	
" " Asparagus Plumosus.	per bunch, 25	
" " Snappdragon.	3 00@6 00	
" " Pond Lilies.	2 00@3 00	



Give Us a Trial We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists, BUFFALO, N. Y. Florists' Supplies and Wire Designs.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

ST. LOUIS, July 2.		Per 100
Roses, Beauty, long.	per doz., 8 00	
Roses, Beauty, medium.	8 00@15 00	
Roses, Beauty, short stems.	3 00@6 00	
" " Killarney.	4 00@6 00	
" " My Maryland.	2 00@5 00	
" " White Killarney.	2 00@5 00	
" " Carnations.	1 00@2 00	
" " Valley.	4 00	
" " Sweet Peas.	20@60	
" " Asparagus Sprenger.	2 00@3 00	
" " Asparagus Plumosus.	per bu., 35@60	
" " Ferns, New, Fancy.	1 50	
" " Galax.	per 1000, 1.25	

New York.

BUSINESS IS BETTER.

During the first few days of the past week business was somewhat improved but dropped back again before June 28th. As a whole, the business of the week was better than that of the preceding one. While most of the stock sold at the usual low prices which have prevailed throughout June, there was something nearer a clean up than in any previous week of that month. During the fall and winter months, Saturday is usually the best day of the week, but that is not so during the summer. Many places of business close on Saturday afternoons and there is a general exodus of all who can get away to the fields, the woods and the beaches.

Beginning July 6 practically all the wholesale stores will be closed on Sunday throughout the summer. Notices to that effect are very prominent in the windows of the wholesale stores of 28th street. Such a movement has been consistently advocated in these columns and we here congratulate the men who have brought it about, and feel certain but few, if any of them, will ever wish to return to the "open" Sunday.

June 30.—The market is very quiet, and stock is moving slowly.

NOTES.

Mrs. Newell, wife of John Newell, a well-known retail florist of 322 West 125th street, was run down by an automobile on the street near her home and mortally hurt, on the evening of June 26. She died soon after. Her funeral took place on June 28. Mrs. Newell was well known and highly esteemed by many patrons of the store and there is much sympathy for the bereaved husband and son, a lad about 14 years old. Mrs. Newell was about 43 years old.

Hon. W. J. Gaynor, mayor of this city, knows almost everything; he himself will tell you that, but there are a few things that seem to have escaped his notice. Our parks, particularly on a Monday morning, are a disgrace to the city and a disgrace to any civilized community, and this condition has been largely brought about by the action of the mayor.

The sailing of the steamship Inipariator, June 25, was the occasion for the delivery of more flowers than was ever before seen on board an outgoing steamship. The leading local florists had many large orders and in addition many flowers were delivered from Philadelphia, Boston and other cities. Charles Thorly filled many of the city orders.

Herman Mamitch, well known as a grower of fine species of sweet peas, has leased the Lydecher range at Englewood, N. J., where his glass area will be about 35,000 square feet. He has previously been growing at Ridgefield, N. J. His stock is sold in the cut flower exchange.

There are several thousand policemen in this city who are possessed of common sense. They have tried to rid the parks of abusive hoodlums who make themselves a nuisance to all decent citizens, but the mayor upholds the hoodlums, and what can the policemen do?

While there were several warm days the latter part of last week, June 29 and 30 were not oppressively hot. No such torrid condition had existed as have been reported from other parts of the country.

There is rejoicing in the home of Gerard Dreyer, the Elmhurst plantsman, over the arrival of baby No. 1, a boy.

Wm. P. Ford has just been released from two weeks' service on the jury.



BOSTON, Dec. 4, '12
Ralph Johnstone,
Boston, Mass.:

Received flowers ordered by telegram. Greatly appreciate sentiment and novel method.

MRS. ALICE JOHNSTONE,
Chicago, Ill.



Christmas Flowers

OF ALL KINDS

"TELEGRAPHED"

To any and all points in the United States and delivered at any given hour on Christmas Day.

If You're Getting

Penn's Violets

you're getting the best.

"Picked Fresh 3 Times a Day"

The name "PENN" on a box of Violets has the same significance as does "Sterling" on silverware.

Penn The Florist

43 Bromfield Street

The above ad is one of a series of paid ads that Penn the Florist of Boston is publishing weekly, alternating in the three florists' papers, to become better acquainted with the Florists of the country. These ads have been published daily in the different Boston papers. Any Florist desiring to use same in their home towns, may do so without further consent. These ads have been the means of establishing our present great volume of business.

George Orth and Matthew Kassner, of H. E. Froment's staff, started on a two weeks' vacation June 29. Mr. Orth went to Sullivan County, N. Y., Mr. Kassner to a New Jersey resort.

The Outing of the New York Florists' Club, July 1, promises to be a most successful affair, as it should be, Chairman Kessler having worked very hard to make it a success.

Geo. C. Siebrecht, 109 West 28th street, is now handling the orchids cut from the range of Lager & Hurrell, Summit, N. J.

C. C. Tripel, the florist of the Bloomingdale and other department stores, who has been seriously ill, is now up and about.

The Horticultural Society of New York will hold an exhibition in the Museum Building, Bronx Park, July 5 and 6.

Charles A. Dards, the retailer of Madison avenue and 44th street, sailed on the Carmania, June 28, for Europe.

The death is announced of Mrs. J. W. Blakesly, wife of an old and well known florist of Elizabeth, N. J.

A. F. F.

BELOIT, WIS.—The Press of this city contained an illustrated feature story of the John Rindfleisch greenhouse plant and flower store in a recent issue.

N. Y. & N. J. Assoc. of Plant Growers.

The Seventh Annual Outing of the Association was held on June 24 and 25, 1913, at the Hotel Kittatinny, Delaware Water Gap, Pa.

A party of fifty-five boarded the special cars on the Lackawanna Limited, leaving Hoboken at 10:15 a. m., June 24, and arriving at the Gap at 12:05. After a hearty lunch, the afternoon was spent in roaming through the woods and over the various promontories, from which beautiful views were had, and visiting the various lakes and waterfalls.

In the evening the prize bowling took place on four very good alleys. The ladies bowled four frames and the four highest scores were as follows: Mrs. Baumann, 58, prize \$5; Mrs. Schoelzel, 56, prize \$3; Mrs. Schultheis, 48; Mrs. P. Wagner, 42. The men scored as follows: Anton Schultheis, Jr., 150, prize \$5; Anton Schultheis, Sr., 44, prize \$3; William Schultheis, 127; William H. Siebrecht, Jr., 124.

A dance took place immediately after the bowling and continued until after 1 a. m.

The following morning after breakfast the party enjoyed a boat ride on

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.

OFFICIAL
S. A. F.**Shipping Labels**

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago

the Delaware River through the Gap, and in the afternoon boarded special trolley cars for a trip in the one direction to Stroudsburg, Pa., and in the other direction to Portland, Pa.

The party left the Gap at 5:23, arriving in New York shortly after 7, all voting that the outing had been a thorough success, all having apparently enjoyed a very good time.

Those who attended were:

Messrs. and Mesdames Henry Baumann, Louis Dupuy, F. W. Langan, Herman Steinhoff, Herman Schoelzel, Anton Schultheis, Peter Wagner, Alfred L. Zeller, George Scott, Wm. H. Siebrecht, Jr., Wm. H. Siebrecht, Sr., Chas. Koch, Selwig, Wundfeld; Mesdames C. W. Scott, Love, John Scott; Misses Smith, Louise and Dorothy Dupuy, Schultheis, Zeller (2), Anna Koch, Essler; Messrs. Gerard Dreyer, J. H. Fiesser, A. L. Miller, Julius Roehrs, Jr., Edward Dupuy, Schultheis (3), Henry B. Siebrecht, J. G. Essler, A. Buchholz, Wernz, Louis Schmitz.

Westchester and Fairfield Hort. Society.

The second summer show of the above society was held in the town hall, Greenwich, Conn., June 20-21, and proved a thorough success. The high quality of the exhibits staged left no easy task for the judges in awarding the prizes. The following were the principal winners:

ROSES.

Mrs. F. A. Constable (James Stuart, gardener), Mamaroneck, N. Y.
A. P. Stokes, (James Whitelaw, gardener), Noroton, Conn.
C. W. Wills, (Martin Glendon, gardener), Greenwich, Conn.
E. C. Benedict, (Robt. Allen, gardener), Greenwich, Conn.
Eugene Meyers, Jr., (Chas. Ruthven, gardener), Mt. Kisco, N. Y.
Mrs. Henry Schaefer, (Geo. Stumpp, gardener), Greenwich, Conn.
J. Langcloth, (Geo. Wooff, gardener), Riverside, Conn.
A. Darlington, (P. W. Popp, gardener), Mamaroneck, N. Y.
G. D. Barron, Rye, N. Y.
Mrs. G. W. Nicholls, (Wm. McAllister, gardener), Rye, N. Y.
Wm. Shillaber, (J. P. Sorenson, gardener), Essex Fells, N. J.
Geo. Lowther, (E. Johnson, gardener), Riverside, Conn.

SWEET PEAS.

J. J. Downey, (Thos. Ryan, gardener), Port Chester, N. Y.
Mrs. J. B. Trevor, (Howard Nichols, gardener), Yonkers, N. Y.
Mrs. Albert Crane, (Alex Geddis, gardener), Stamford, Conn.
Mrs. A. A. Anderson, (Robt. Williamson, gardener), Greenwich, Conn.
W. E. Reis, Greenwich, Conn.

IRIS.

Mrs. F. A. Constable; G. D. Barron.

HARDY FLOWERS.

Mrs. F. A. Constable; H. Darlington; Mrs. Herbert P. Brown; Mrs. A. A. Anderson; G. D. Barron.

Paul Meconi**Wholesale Florist**

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Wholesale Flower Markets

NEW YORK, July 2.		Per 100
Roses, Beauty, special.....	20	00@25 00
extra and fancy.....	12	00@15 00
" " No. 1 and No. 2.....	1	00@3 00
" Killarney, My Maryland.....		
special.....	6	00@8 00
extra.....	3	00@4 00
" " No. 1 and No. 2.....	25	@1 00
" Queen, special.....	7	00@8 00
" Red, special.....	7	00@8 00
" Hillingdon, Aaron Ward.....	5	00@6 00
" Richmond.....	50	@6 00
" Sunburst, special.....	6	00@8 00
" Taft, special.....	@	6 00
" Mrs. Geo. Shawyer, special.....	5	00@8 00
Carnations.....	1	00@1 50
Cattleyas.....	25	00@40 00
Gardenias.....	5	00@15 00
Lilies, Longiflorum and Harrisii..	2	00@3 00
Lily of the Valley.....	3	00@4 00
Gladiolus...per doz.....	50	@75
Sweet Peas...per doz, bunches, 25		
Spencer type, per doz.		
bunches.....	50	
Adiantum Croweanum.....	15	@50
Asparagus Plumosus...doz. bchs.	1	50@2 00
Smilax.....per doz, strings,	1	00@1 25
Stocks.....per bunch, 20c@25c		
Snaptags.....per doz., 20c@25c		

FLOWERING SHRUBS.

Mrs. L. C. Bruce, Greenwich, Conn.; H. Darlington; A. Striglitz.

PALMS.

E. C. Benedict; Mrs. A. A. Anderson.

MISCELLANEOUS PLANTS.

E. C. Benedict; Mrs. F. A. Constable; Robt. Grunnert; Mrs. A. A. Anderson.

Group of flowering and foliage plants 100 square feet—Mrs. A. A. Anderson.

VEGETABLES.

Adrian Iselin, Jr., (J. Tiernan, gardener), New Rochelle, N. Y.
H. F. Shoemaker, (J. McLean, gardener), Riverside, Conn.
Mrs. L. C. Bruce.
C. A. Moore, Greenwich, Conn.
A. Forster Higgins, (Paul Dwinger, gardener), Greenwich, Conn.
Mrs. J. B. Trevor.
E. C. Benedict.
H. J. Parks, (W. L. Marshall, gardener), Port Chester, N. Y.

FRUITS.

Robt. Grunnert; Mrs. A. A. Anderson; Mrs. F. A. Constable; Nelson Macy, Greenwich, Conn.; Adrian Iselin, Jr.; Geo. Lowther; Miss M. T. Cockcroft, (Adam Patterson, gardener), Saugatuck, Conn.

TABLE DECORATIONS.

Mrs. F. A. Constable; Mrs. Henry Schaefer; J. Langcloth.

The silver cup for the most meritorious exhibit was won by the Geo. E. Baldwin Co., Mamaroneck, N. Y., for a splendid group of orchids.

OWEN A. HUNWICK, Sec'y.

**HORACE E. FROMENT****WHOLESALE COMMISSION**

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lillies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.
Mention the American Florist when writing

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St., NEW YORK.
CUT FLOWERS**WHOLESALE PLANTSMEN AND FLORISTS**

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.
Mention the American Florist when writing

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.
Mention the American Florist when writing

Geo. C. Siebrecht
WHOLESALE FLORIST

109 West 28th St., NEW YORK

Tel. 608 and 609 Madison Square

CONSIGNMENTS SOLICITED

Mention the American Florist when writing

Guttman Flower Growers Co.

A. J. GUTTMAN, President.

Wholesale Florists

Removed to 102 W. 28th St., New York

Phone 1912 and 7983 Madison Square.

18 Years Experience.

Mention the American Florist when writing

The Kervan Company**FRESH CUT EVERGREENS**

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5093

119 West 28th Street NEW YORK

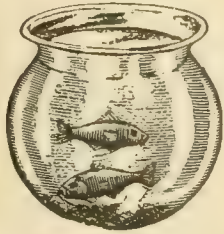
M. RICE CO.

The Home of Supplies

OUR "WILLING HELPER" KATALOG
A BIG HELP IN ORDERING BY MAIL

1220 Race Street, PHILADELPHIA, PA.

GOLDFISH



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1 1/4 inch.....45c per 100
1 ".....40c " "
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WILLOW-ART AND FANCY BASKET-MAKER
Over 20 years practical experience.

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Any Color, With or Without Metal Lining.
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Ferns, Bronze and
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Delivered to all parts of United States and Canada
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Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

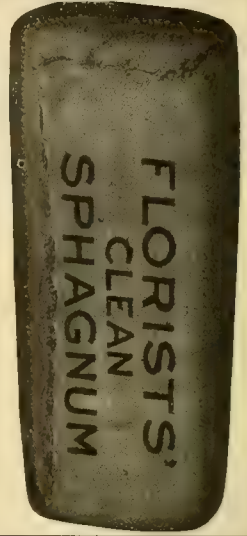
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FULL SIZE BALES, CLEAN STOCK,
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TRY A SAMPLE ORDER AND COMPARE WITH
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Do Not Take Any Fake Green Thread. Use the
Genuine Silkline and Get More Thread
and Less Wood.



JOHN C. MEYER THREAD CO.,

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes

The MEYER Green

SILKALINE

Used by Retail Florists for mossing funeral
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The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it will not fade or rot in the greenhouse. The Meyer Silkline was the first green thread to be introduced among Florists and Growers. It is handled by the best houses everywhere, but it should be ordered by name—Meyer's Silkline—to be sure of getting the genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the manufacturers. Price for any size or color, \$1.25 per lb. Sizes "F" fine, "FF" medium, and "FFF" coarse

Lowell Thread Mills, 1495 Middlesex St., Lowell, Mass.

FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

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All phone connections.

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MOSS

We have a surplus of 12 barrel bale New Jersey Moss, clean, fresh and burlapped, and will deliver anywhere in Chicago, express prepaid, at \$5.00 per bale, 2 or more bales at \$4.75. By freight collect at 25c per bale less. Satisfaction guaranteed or money refunded.

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H. BAYERSDORFER & CO.



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1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

New Crop Fancy and Dagger Ferns

Huckleberry Foliage now ready.

Price, Huckleberry, \$2.00 per case; Fancy Ferns, \$1.25 per 1000; Dagger Ferns, \$1.10 per 1000.

Caldwell the Woodsman Co.

Everything in Southern Evergreens
EVERGREEN, ALABAMA.

HUCKLEBERRY FOLIAGE \$2.00 per case

FANCY FERNS, \$1.25 per 1000

DAGGER FERNS, \$1.10 per 1000

Perpetuated and Natural Sheet Moss.

E. A. BEAVEN, Evergreen, Ala.

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GREAT BRITAIN

WILLS & SEGAR,

Royal Exotic Nursery,

Onslow Crescent, S. Kensington, London

FLORISTS TO HIS MAJESTY THE KING.

We shall be glad to carry out commissions from our American confreres to deliver
Cut Flowers, Floral Baskets, Floral Designs,
Baskets of Choice Fruit, Etc.
to American visitors in any part of Great Britain.

Cablegrams — "FLOSCULO, LONDON."

DULUTH, MINN. 

2 STORES 2

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J. J. LEBORIOUS

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

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Established in 1857.

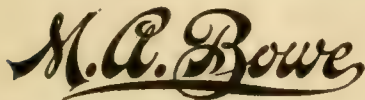


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Send us your retail orders.

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IN THE HEART OF NEW YORK CITY
Phone Murray Hill 1440 and 1441.

6 East 33d Street, Opposite the Waldorf-Astoria.
Our Motto—The Golden Rule.

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"WILSON"

3 and 5 Greene Ave., Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.
Greenhouses: Short Hills, N. J.

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Terre Haute, Ind.

John G. Heint & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

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A. LANGE,

25 E. MADISON ST.

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ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

July 6.

FROM MONTREAL, Sicilian, Allan.

July 8.

FROM MONTREAL, Laurentic, White Star, Dom.

FROM BOSTON, Franconia, Cunard.

Potsdam, Holland-America, 10 a. m.

Kronprinzessin Cecilie, North Ger.-Lloyd, 10 a. m.

Canada, Fabre, 3 p. m.

Mayaro, Trinidad.

Hyades, Houston.

July 9.

Campania, Cunard.

FROM BALTIMORE, Main, North Ger.-Lloyd, 2 p. m.

Alce, Austro-American, 1 p. m.

FROM NEW ORLEANS, Berwind, Porto Rico.

Maraculbo, Red "D," noon.

July 10.

FROM QUEBEC, Empress of Britain, Can. Pa.

cliff.

FROM MONTREAL AND QUEBEC, Tryolla,

Can. Pacific.

Baltic, White Star, 12 noon.

Ivernia, Cunard.

La Provence, French, Pier 67, North River.

Friedrich der Grosse, North Ger.-Lloyd, 10 a. m.

Welch Prince, Prince.

Dunstan, Barber.

July 11.

FROM MONTREAL, Corsican, Allan.

Philadelphia, American, 10 a. m., Pier 62.

North River.

Goorkha, Barber.

July 12.

FROM MONTREAL, Scandinavian, Allan.

Caledonia, Anchor, 3 p. m., Pier 64, North River.

Zeeland, Red Star, 10 a. m.

Majestic, White Star, 12 noon.

FROM MONTREAL, Canada, White Star-Dom.

FROM MONTREAL, Cassandra, Donaldson.

FROM PHILADELPHIA, Prinz Oskar, Ham.

Amer., 11 a. m.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

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Western Union Code.

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Montreal



Cor. St. Catherine and Gay Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

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YOU NEED THIS STOCK!

Buy Poehlmann's Quality Rose, Chrysanthemum and Pompon Plants and Cuttings and Grow Prize Winning Flowers. . . .

YOU no doubt remember the magnificent showing that we made at the last National Flower Show, in New York, April 5-12, when we won so many first prizes on our American Beauty and Rose Exhibits and the various other shows, where we were also always such large prize winners IT STANDS TO REASON THAT OUR STOCK IS BEST or the judges would never have awarded us the prizes. We are so positive that our stock is unsurpassed for the money that we urge every grower in America to buy his supply here as early as convenient. Remember we lead in quality and quantity, so look over this list, select what you need and let us have your order today. Fill up your empty benches with some of this stock now.

Best Grafted Rose Stock

Pink Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon, \$110.00 per 1,000; \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill.
Killarney Queen, \$15.00 per 100; \$120.00 per 1000.

Supreme Quality Own Root Stock

Melody, \$5.00 per 100; \$45.00 per 1,000. Richmond, 2½-inch, \$4.00 per 100; \$35.00 per 1,000.

BIG CHRYSANTHEMUM BARGAIN 20% Reduction

On 2½-inch stock of the following varieties:

YELLOW
Comoleta..... 2½-in. per 100 \$4.00 Per 1000 \$35.00

Best Early Yellow, Blooms September 27.

WHITE
October Frost..... 2½-in. per 100 \$3.00 Per 1000 \$25.00

When ordering deduct 20% from advertised prices in the above four varieties of Chrysanthemums only. Our unlimited facilities for handling immense quantities enables us to make this cut in prices without reducing the well-known quality of our extra fancy stock.

Only a small surplus of the following varieties in 2½-in. stock left so let us have your order as early as possible.

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2½-in. per 100 1000
Timothy Eaton..... \$3.00 \$25.00
W. H. Chadwick..... 4.00 35.00

YELLOW
Halliday..... 3.00 25.00

PINK
Patty..... 2½-in. per 100 \$4.00 Per 1000 \$35.00

Beautiful Enchantress Pink, fine strong grower, (3½-in., per 100, \$5.00)

Unaka..... 2½-in. per 100 \$5.00 Per 1000 \$45.00

Earliest Pink, first week of October.

YELLOW
2½-in. per 100 1000
Col. Appleton..... \$3.00 \$25.00
Crocus..... 5.00
Dolly Dimple..... 3.50
Major Bonaffon..... 3.00 25.00
Immense stock, still one of the best.

PINK
2½-in. per 100 1000
McNiece..... \$3.50 \$30.00
Maud Dean..... 3.50 30.00
Dr. Enguehard..... 3.50 30.00
BRONZE
O. H. Kahn..... 5.00
We can supply large quantities of the above.

Look! Another Big Reduction.

BIG LOT OF POMPONS—Must be Sold At Once—2½-in., \$3.00 per 100; while they last. First come, first served.

YELLOW Krut Emo West Lake Mike Gabel	SKIBO Madge Baby Quinola	BRONZE M. D. LaPort Beau	WHITE SINGLES—Cont'd. Kemmit Grace Burke
WHITE Newbury Baby Margaret Lula	WACO Menso	PINK Dark Pink RED La Gravera	PINK Mrs. John Fisher Gertrude Wilson
		SINGLES Christina Scull Parkington	BRONZE Ida Kroeschell—This is a single Anemone Dark Single Bronze

POMPON CUTTINGS—CHOICE STOCK, \$20.00 per 1000.

Berried Plants

Jerusalem Cherries for field planting, strong, 2½-in., \$3.00 per 100; \$25.00 per 1000.
Cherries, Fra Diavola, 2½-inch..... 3.00 per 100
Cluster Peppers, strong, 2½-in., \$3.00 per 100.
Celestial Peppers, an indispensable Xmas plant, strong, 2½-in., \$3.00 per 100; \$25.00 per 1000.

Palms

Kentias Belmoreana and Forsteriana, immense stock of perfect plants in all sizes from 4-in. to 10-in. plants, at prices ranging from \$4.50 per dozen to \$15.00 each, according to size.
Cocos Weddelliana, 2½-in., \$15.00 per 100.

Grevillea Robusta, strong, 2½-in., \$3.00 per 100; \$25.00 per 1000.
Smilax, extra strong new stock, twice topped, 2½-in., \$3.00 per 100; \$25.00 per 1000.
Fancy Leaved Caladium..... .75 cents to \$1.50 each
Asparagus Sprengeri, 2½-in., \$3.00 per 100; \$25.00 per 1000. 5-in., \$5.00 per 100.
Asparagus Plumosus Nanus, 2½-in., \$3.50 per 100, \$30.00 per 1000; 3-in., \$6.00 per 100, \$55.00 per 1000. 4-in., \$12.00 per 100; extra strong, 4-in., \$15.00 per 100.
Asparagus Hatcheri, strong, 2½-in., \$2.50 per 100.

Aspidistra, green and variegated, about 10 to 15 leaves per plant, variegated, 15c per leaf; green, 10c per leaf.
Primula Obconica Grand., strong, 2½-in., \$3.50 per 100; \$30.00 per 1000.
Ficus Pandurata, strong, 6-in., \$3.50 each.
Pandanus Veitchii, highly colored, 6-in., \$1.00 to \$1.50 each; strong, 7-in., \$2.00 each.
Umbrella Plants, ready to shift, 2½ in., \$3.00 per 100; 3-in., \$5.00 per 100.

POEHLMANN BROS. COMPANY

MORTON GROVE, ILLINOIS. PLANT DEPARTMENT,

DESIGNS OR CUT FLOWERS

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New York.

Established 1874.

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N. E. Corner 44th St.
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Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

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We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

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Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.

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BOTH PHONES No. 40
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Careful Attention To All Orders.

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Archbas Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
California Florists, Tacoma, Wash.
Clark's Sons, New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyes, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
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Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthewson, J. E., Sheboygan, Wis.
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Nicholas, John S., New York.
Ostertag Bros., St. Louis.
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Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller, The Florist, 2221 W. Madison St., Chicago.
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Walker & Co., Louisville, Ky.
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Weber, F. H., St. Louis, Mo.
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Corner Broadway and Gratiot Avenues.

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All Orders Given Prompt and Careful Attention

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40 YEARS

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Notice initials—we have one store only.

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Personal Attention to all Orders.

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**Floral Designs and
Choice Cut Flowers**

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**Geo. M. Kellogg
Flower & Plant Co.**

1122 Grand Ave. Will fill all orders for Cut
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Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

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Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or
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CLEVELAND

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14th and H. Street.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
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Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
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Chicago—Mangel, 17 E. Monroe St.
Chicago—Schiller The Florist, 2221 W. Madison.
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Chicago—Wittbold's, 56 E. Randolph.
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New York—Max Schling, 22 W. 59th St.
New York—John S. Nicholas.
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Established 1849

David Clarke's Sons

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Telephones: 1552-1553 Columbus Choice Cut Flowers.

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Podesta & Baldocchi

224 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

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O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out
of-town florists. Trade discount.

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**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.

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Canada's best known and most reliable florist

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Best **Dunlop's**
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We deliver anywhere in Canada and guarantee
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DELIVERED TO ALL PARTS OF THE COUNTRY.
SPECIAL CARE, SELECT AND ARTISTIC WORK.

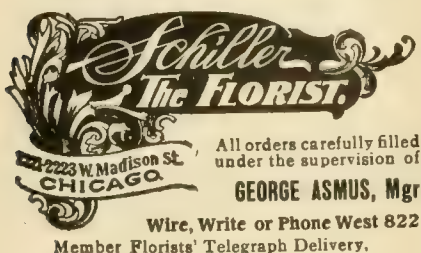
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J. B. KELLER SONS, FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Cleveland, O., and Vicinity.

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1181 E. 71st St.

The Largest Growers of Flowers in City.

Little Rock, Ark.

PAUL M. PALEZ, FLORIST,

409 MAIN STREET.

All orders carefully filled and delivered to all parts
of the city, Arkansas and the Southwest.

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(Successor to Geo. A. Heint)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

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F. Walker & Co., FLORISTS

Phones: Home 1388. Cumb. Main 1388A.

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S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
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San Francisco, Calif.

J. B. BOLAND

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60 KEARNEY STREET

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Connecticut Avenue and L Street

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Order Your Flowers for delivery
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LEADING FLORISTS OF THE NORTHWEST

New York.

MYER, FLORIST,

609-611 Madison Ave
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"The Saltford Flower Shop."

Vassar College and Bennett School.

Mention the American Florist when writing

HARTFORD, CONN.—E. S. Drake has
purchased a new automobile delivery
car as a result of his increasing busi-
ness.

BOSTON, MASS.—The annual rose and
strawberry exhibition of the Massa-
chusetts Horticultural Society, which
was held in Horticultural Hall, June
21-22, was one of the best in the history
of the society. There were also
displayed peonies, hardy herbaceous
plants, water plants and a collection
of vegetables.

In the Heart of New York

NEW FLOWER AND FRUIT STORE

JOHN S. NICHOLAS

42nd St. and Park Avenue
Grand Central Terminal

New York City

The Old Established High Class Florist

Has opened a magnificent flower and fruit es-
tablishment on the Forty-second street side of the
New Grand Central Terminal Station, New York
City. The facilities of this store for the satisfac-
tory execution of mail, telephone and telegraphic
trade orders at steamers, and elsewhere in New
York City and its suburbs are unsurpassed.

PHILIPS BROS, 938 Broad St.

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Artistic Floral Work and Long Stem
Beauties Our Specialty.

Los Angeles, Calif.

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Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

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CUT FLOWERS

Delivered for Louisiana, Mississippi,
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Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
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Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone
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Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

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GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan.

Rockford, Ill.

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212 Fifth Ave. No.

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Wittbold's Bargain List.

Select What You Need From This List and Let Us Have Your Order as Early as Possible. This Stock is of Fine Quality and a Big Bargain at the Prices Quoted.



DRACAENA INDIVISA

2-in., \$3.00 per 100; 3-in., \$5.00 per 100; 4-in., \$12.00 per 100; 5-in., \$3.00 per dozen, \$20.00 per 100; 6-in., \$6.00 per doz. 8-in., \$1.00 to \$1.50 each.

Boston Ferns.

6-in. pots, \$6.00 per doz.; 7-in. pots, \$9.00 per doz.; 8-in. pots, \$12.00 per doz. **Boston and Whiteman's**, 3-in., strong stock, \$3.00 per 100.

Boxwoods.

Obelisk, 5-ft.....	Each, \$12.00
Globe Shaped—	
12-15-in.....	Each, \$2.00 to 2.50
Globular, 3 ft.....	Each, \$3.00
Pyramidal, 5 ft.....	Each, 5.00 and 6.00

Boxwoods—Standard.

20-24 crown.....	Each, \$3.50
24-30 ".....	" 5.00
36-40 ".....	" 8.00

MISCELLANEOUS

Aucuba, large.....	Each, \$3.00 to \$3.50
Aucuba Japonica, 2-ft.....	" 1.00
Aucuba Type, 2-ft.....	" 1.00
Conifers, assorted, 18-24 in.....	" 1.00
3-3 1/2-ft.....	" 1.50

Araucaria Excelsa—	Each	Doz.	Per 100
2-3 tiers.....	\$.50		
3-4 tiers.....	.75		
6-in., 4-5 tiers.....	1.00	\$12.00	
7-in., 4-5 tiers.....	1.50	18.00	

Areca Lutescens—			
3-in., 3 plants in a pot.....		2.00	15.00
6-in.....	1.50		

Asparagus Plumosus—			
2-in.....			3.00
3-in.....			6.00
4-in.....	1.50		

Asparagus Sprengerii—			
3-in.....			5.00

BEDDING STOCK. Per 100

Geraniums, any variety.....	\$ 8.00
Nasturtiums, 3-in.....	6.00
Petunias, 3-in.....	6.00
Begonia Vernon, 2-in., \$3.00 per 100,	
\$25.00 per 1000.	

Bay Trees—Standard

Stem	Crown	Each
12-14-in	18-in.	\$4.00
2-ft.	12-in.	\$4.00
2-ft.	18-in.	5.00
1-ft.	24-26-in.	6.00
3-ft.	20-22-in.	6.00
2 ft. 4-in.	24-28-in.	7.00
3-ft.	26-in.	7.00

PHOENIX ROEBELENI

Each	Doz.	Per 100
2 1/2-in.....	\$ 2.00	\$15.00
3-in.....	3.00	
4-in.....	\$0.50	6.00
6-in.....	12.00	
6-in., strong.....	18.00	
7-in.....	\$2.50 and 3.00	
Specimens, 7 in. extra strong.....	4.00 each.	
8 in. extra strong.....	5.00 each.	

PHOENIX RECLINATA

7-in., 24 in. high.....	Doz., \$12.00
-------------------------	---------------

Phoenix Canariensis

3-in., 3 ft. 6 in. high.....	Each, \$3.00
8-in. tubs, 3 ft. high.....	3.00
10-in. tubs, 4 ft. high.....	6.00
10-in. tubs, 5 ft. high.....	9.00
12-in. tubs, 6 ft. high.....	15.00

KENTIA BELMOREANA.

Size	Leaves	Ht.	Each	Doz.	100
2-in.	4	8-in.	\$1.50	\$12.00	
3-in.	4.5	8-10-in.	2.00	15.00	
4-in.	4.5	12-in.	3.60	30.00	
5-in.	5.6	15-18-in.	6.00	50.00	
6-in.	6-7	20-22-in.	\$1.00	12.00	
6-in. strong.	5-6	18-20-in.	1.50	18.00	
7-in.	6-7	26-28-in.	2.00	24.00	
7-in. strong.	6-7	22-24 in.	2.50	30.00	
8-in.	6-7	36-40-in.	5.00		

COCOS WEDDELIANA.

2-in.....	Doz. \$1.75; 100, \$14.00
Lantana Borbonica—	
6-in.....	\$9.00 Doz. 7-in.....\$12.00 Doz

The Geo. Wittbold Co. —L. D. PHONE, GRACELAND 1112— **737-39 Buckingham Pl. Chicago**

Bay and Box Trees

BAY TREES. These trees come in tubs.

Nothing can approach these handsome trees for decorating porches, piazzas, or hall entrances and they are largely used for stately effects in formal gardens.

Standard or Tree Shaped.

Stems	Crowns	24-in.	Each	Pair
36-in.....	24-in.	\$ 7 00	\$13 00	
45-in.....	26-in.	7 50	14 00	
45-in.....	28-in.	8 00	15 00	
45-in.....	30-in.	10 00	18 00	
48-in.....	34-in.	12 00	22 00	
48-in.....	40-in.	15 00	28 00	

Stems	Dwarf Standards.	Each	Pair
30-in.....	Crowns 24-in.	\$ 7 00	\$13 00

Pyramidal Shaped. Each Pair

5 ft. high, 24-in. diameter at base..	\$ 8 00	\$15 00
6 ft. high, 26-in. diameter at base..	10 00	18 00

BOX TREES.

Prices on Pyramid and Globes include new green tubs. If wanted out of tubs we allow 10 per cent discount.

Pyramids.

Each	Pair	Each	Pair
2 1/2 ft. high.....	\$2 00 \$3 75	3 1/2 ft. high.....	\$3 50 \$6 00

Globe Shaped, Untrimmed.

Each	Pair
15 in. high, 15 in. dia.....	\$2 00 \$3 75
18 in. high, 18 in. dia.....	2 50 4 50

Bush Shaped. These do not come in tubs.

Each	Doz.	100
12 in.....	\$0 40	\$4 00
18 in.....	60	6 50
20 in.....	75	8 00
24 in.....	1 00	10 00

VAUGHAN'S SEED STORE

31 W. Randolph St., CHICAGO

43 Barclay St., NEW YORK

Greenhouses, Trial Grounds and Nurseries Western Springs, Ill.



STANDARD BAY TREE

AMERICAN SEED TRADE ASSOCIATION.

Thirty-First Annual Convention
Cleveland, O., June 25-26.

The Closing Sessions.

The thirty-first annual convention of the American Seed Trade Association at Cleveland, O., June 24-26, as indicated in our last issue, was a most successful one. The meetings were well attended, there being 125 members present when the convention was called to order at 10:30 the first day. Following the welcoming address by Mayor Baker, and President Page's address, were a number of interesting papers by well known seedsmen. Also there was a paper by James J. Hill, the railroad magnate, which was read by a member in Mr. Hill's absence. The afternoon session was executive. Reports by the auditing committee and by Attorney Smith were heard.

After the reports of the secretary and treasurer came the election of members, the reports of the committees, reading of communications, etc. Among the papers discussed were: "Are Standards of Purity Practicable in State Seed Laws?" by Geo. S. Green (Illinois Seed Co.), Chicago; "Seeds Grown under Irrigation," discussion led by J. C. Robinson, Waterloo, Ia.; "What the American Seed Trade Has Accomplished," by Albert McCullough (J. M. McCullough Sons Co.), Cincinnati, O.; "Cost and Overhead Expenses," by L. B. McCausland (Ross Bros.), Wichita, Kans.; "Intensive Farming," by J. J. Hill. On Wednesday evening Miss Louise Klein Miller, curator of the Cleveland school gardens, gave an illustrated lecture.

Officers Elected.

CHARLES C. MASSIE, PRESIDENT.

The new president of the American Seed Trade Association, Charles C. Massie, was born in 1872 in Aberdeenshire, Scotland. His father was a farmer and miller and educated his children in the public schools. Later on Charles C. Massie attended Gordon's College at Aldreen, near his home. When 16 years old he entered the seed store at Aldreen where he remained for several years. When 19 years of age he came to America, locating at Minneapolis. Four years later he became secretary of Northrup, King & Co. On Mr. Northrup's retirement last year he became general manager. Mr. Massie was married in 1896 and has one daughter 14 years and a son 12 years of age.

J. M. LUPTON, FIRST VICE-PRESIDENT.

J. M. Lupton, the newly elected first vice-president, was born at Mattituck, Long Island, N. Y., where he still lives. He received his education in public schools and at Franklinville Academy. His occupation was that of a farmer until 1882. He organized a seed growing business at that time, making a specialty of producing cabbage seed and giving attention to the improvement of the varieties by selection. In 1910 his son Robert was admitted to partnership. The firm is now J. M. Lupton & Son.

W. F. Thurkelson, the second vice-president, is well known through his connection with the Storrs & Harrison Co., Painesville, O.

C. E. Kendel, Cleveland, was re-elected secretary.

S. F. Williard was elected assistant secretary.

Social Features

More than two hundred members, representatives and guests, including the wives and daughters of many, were present at the convention and



C. C. Massie.

President-Elect American Seed Trade Ass'n.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.



BRASLAN SEED GROWERS CO., Inc.
SAN JOSE, CALIFORNIA

J. W. EDMUNDSON, Manager

California Seed Growers Association, Inc.

Growers for Wholesale Dealers
SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS

all seemed to enjoy themselves thoroughly. The weather was rather warm a part of the time, but the heat was never oppressive. Cleveland is located on the lake, where cool, refreshing breezes constantly blow, and this made the members' visit very pleasant. It was refreshing, too, to see the hearty good fellowship and good feeling that existed among the various members and representatives present. The committee in charge planned many good things for those in attendance, and gave a most excellent opportunity to visit the various points of interest in the "Sixth City" and to become acquainted with one another.

On Tuesday evening a reception was held in honor of President Page in the beautiful ball room of the Statler hotel, where refreshments were generously served, and where those present later engaged in dancing until near the midnight hour. This reception was well attended and all cares were forgotten for the evening.

An automobile ride was arranged for Wednesday afternoon. For a while it looked as though this could not be carried out, as rain fell in torrents for about half an hour just as the party was ready to start, but the clouds cleared away, and left conditions most delightful for the trip, which was begun about 3:30. More than two hundred, carried in some fifty automobiles, made the trip. The party proceeded from the Statler hotel to the residence of Secretary Kendel, where Mrs. Kendel entertained the ladies who visited the convention; there the ladies joined the party and all proceeded by way of Euclid avenue to Forest Hill, the Cleveland home of John D. Rockefeller, some seven miles distant from the heart of the city.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE.

Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Alfred J. Brown Seed Co.,

Growers for the Trade

Grand Rapids, Michigan.

PEAS

BEANS

CUCUMBER

We shall be pleased to quote you our prices for prompt or future shipment.

M. W. WILLIAMS, Secretary

Forest Hill is one big private park of some seven hundred acres in all, made up of cultivated fields where crops of various kinds, including vegetables for table use, berries, etc., are raised; large expanses of woodland with no underbrush, where the sod is strong and well clipped with the lawn mower; hills and slopes where the virgin forest seems to have been untouched by the hand of man, with dense underbrush and such a riot of wild flowers and native herbs as to make it a veritable botanist's paradise. Small but neat and comfortable houses are here and there, used by the attendants and laborers; and winding about, hither and thither, through this maze of hundreds of acres are miles and miles of carefully graveled roads and foot paths, passing by beautiful flower gardens, vegetable gardens, hay fields and lawns, and then dashing for long distances into the densest forests, winding up and down babbling brooks and crossing them here and there by stone bridges.

The party stopped near the residence of Mr. Rockefeller and had their group picture taken with a few mighty oak trees as a background. Then they strolled down across the grass to the home of the richest man in the world. They walked all around it. They got within a few feet of it. They tramped the grass with reckless abandon. They looked the house over from top to bottom. It is a four-story frame structure with inclosed porches all about, painted white without trimming, with the roof painted red. Here and there a small flower bed adorns the lawn surrounding it, but for the most part it is a grass lawn. Everything is well kept. There is here and there an electric light on the grounds about the house, which serves to make some light at night when the moon is not shining.

When the visitors walked down to the house a conveyance stood at the front door ready to go. Not a move was made, but when the party had passed the house and had gotten to the other side, the rig was taken to a side door. Mr. Rockefeller quietly came out, got in and drove away. You will no doubt suppose that this was a magnificent touring car. Not at all. It was a neat two-seated trap with a canopy top, to which was hitched an ordinary bay horse. The high cost of living must be met by Mr. Rockefeller as well as by others, and so he uses a motor power that can be fed and maintained by the products growing on his farm. Mr. Rockefeller's home is situated in the midst of Forest Hill and on a point sufficiently high for a splendid view of

JOHN H. ALLAN SEED CO.

Growers of choice varieties of

Peas and Beans

Sheboygan, Wis.

Mention the American Florist when writing

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Mention the American Florist when writing

ONION SEED.

We are extensive Growers of
and Dealers in

CHOICE VARIETIES OF BOTH GLOBE AND FLAT.

SCHILDER BROS., Chillicothe, Ohio.

Mention the American Florist when writing

the east part of the city and of Lake Erie.

The party next proceeded on a further tour of the grounds, and it will give but a faint idea of the area of the estate and of the miles of roads on it to say that in a trip of some seven or eight miles we never traveled the same road twice except to cross it at an intersection, and the entire party agreed that had they been abandoned in the heart of the grounds they might have followed the roads until morning without finding their way out. Here the Oil King lives in simple style, amidst all the beauties of nature and observing all the laws of health. When we entered the grounds an attendant bowed us in and when we left he smiled and bowed us out as though it had been as pleasing to him as to us. Truly it was a delightful visit and thoroughly enjoyed. From Forest Hill the party drove to Rockefeller Park and through it to Gordon park on the lake and thence by one of the main

thoroughfares back to the starting point.

Wednesday evening the convention held the annual banquet in the ball room of the Statler, when a good time was again enjoyed. Several good after dinner speeches were made by members and guests. The menu follows. One can tell what it means when he sees and tastes the food, but he may have some trouble recognizing the names.

MENU.

Cherrystone Clams
Essence of *Lycopersicum esculentum*
Olea Europaea
Raphanus sativus, Vick's Scarlet
Globe
Bonny Best
Filet of White Fish
Broiled Spring Chicken
Solanum tuberosum, Noroton Beauty
Pisum sativum, Smith, Jones & Co.'s
Extra Early
Lactuca Trianon Self-folding Cos
Roquefort cheese dressing
Ices Cakes
Coffee Arabica



AMERICAN SEED TRADE ASSOCIATION ON THE JOHN D. ROCKEFELLER GROUNDS, CLEVELAND, O., JUNE 26.

At Storrs & Harrison's.

On Thursday morning at 11:55 o'clock the entire party took a trolley ride out to Storrs & Harrison Nurseries at Painesville, Ohio, which was one of the most enjoyable features of the convention.

The guests arrived about 1:30 p. m. and were met at the station with automobiles and were escorted to the Nurseries where there was a delicious lunch waiting for them.

After lunch the entire party, about 150 in number, left the nurseries and again entered the autos and took a trip around the grounds, containing over 1,500 acres. The hour of five came along much too soon and all were sorry that that was the appointed hour, for they were enjoying themselves to such an extent that they would like to have remained longer.

The party arrived in the city shortly after six o'clock and then departed for their respective homes in the various parts of the United States and Canada.

School Garden Work.

EDUCATIVE AND CIVIC INFLUENCE.

Synopsis of Paper Read by Miss Luise Klein Miller at the Annual Convention of the American Seed Trade Association, Cleveland, O., June 24-26, 1913.

It is said that the test of a great general is to be able to change his tactics on the field of battle, and I shall change some of the things I expected to say this evening in order that I may answer some questions that have been put to me since I came in the room.

We have done some good things, I think, in Cleveland in the School Garden Work, and I hope what I have to say tonight will be instrumental in having this work carried on elsewhere.

The whole movement was started a number of years ago because a few flowers were stolen from the window boxes at the Goodrich house. The residents there planted some things in the flower boxes and they were stolen. Mr. Haynes was interested in the Goodrich house at that time and he thought that if people loved flowers well enough to steal them, then they should have flowers of their own. He organized the Home Garden Club. Each member was to pay 10 cents per year. In return for this 10 cents each member was to receive ten penny packages of seeds. They were put up in penny packages by members of the club and it was found by doing this way the club could make money and Mr. Haynes thought what was good for one neighborhood was good for another. He secured the privilege of selling these penny packages in the public schools. In the first year 40 packages were sold. Now nearly a million.

This has been tried in other cities and I have heard that the seedsmen stamped it out because they interfered with their business. Mr. C. E. Kendel, who has always been interested in the home garden work, realizes that was a good thing and instead of trying to stamp it out he has encouraged it every way possible, because the home gardening association only puts up a limited amount of seed—the ordinary kind that children can take care of. It isn't a money making scheme in any way. All the money that is made from the sale of these seeds is put directly back in the edu-

cational work. One-half was given back to the Board of Education because they allowed the packages to be sold through the schools. The school gardens work was supported largely from this money. They spent their part in carrying on vacant lot work and training garden work and other splendid work.

In 1904 I came here to give a course of lectures and after that course was given I asked them why they did not start school garden work and they asked me to introduce it. The first year we had four small ones. The Board of Education provided for the soil, the gardening association bought the tools and employed the supervisor. That was carried on the first year. In the following year the Board of Education asked of the expense and established a department of school gardens, and at the head of this department was a Curator, and I was appointed Curator and have held that position ever since. The duties of this curator of school gardens is to supervise the school gardens. The first year we had four. Now we have twenty-four. I also have charge of the up-keep of all the school yards in the city. We have 109.

In the school garden work I work in conjunction and confer with the medical director because this work is really in line with the physical development of the children. It has taken a long time to carry this up to the state where we have it now. I can make it clearer to you by the use of the slides which I will show you now.

I have given over 400 lectures in the public schools in Cleveland and over 100 lectures outside. The first lecture I ever gave in Cleveland was down at the Bournelle School, and I was to show slides I never saw before. There were 600 men and children in the audience and just as soon as the pictures went on the screen there was a conversation all over the room. I became puzzled and discouraged, but I was told not to let that disturb me, because they were of different nationalities and the children were interpreting to the parents what I said.

(The rest of the lecture was given in the dark, and no stenographic report was made, but Miss Miller's conclusion was that the school garden work keeps the children out of mischief, and good gardens and flowers makes them happy and makes them good boys and girls, evidently saving lots of the costs of the Juvenile court.)

A rising vote of thanks was given Miss Miller for her lecture.

The Visitors.

The following were noted among those in attendance.

Linnaeus Allen, Floral Park, N. Y.
Frank W. Annin, Toledo, O.
Garet Van Antwerp, Mobile, Ala.
O. P. Beckley, Harrisburg, Pa.
J. E. Benedict, Jr., Washington, D. C.
E. J. Bernet, La Crosse, Wis.
C. S. Berto, Painesville, O.
J. D. Bloxham, Buffalo, N. Y.
F. W. Bolgiano, Washington, D. C.
G. H. Bradley, Cleveland, O.
H. A. Brown, Chicago, Ill.
E. E. Bruggerhat, New York.
C. S. Burge, Toledo, O.
Daniel Carmichael, Cincinnati, O.
Arthur B. Clark, Milford, Conn.
Theo. Cobb, Detroit, Mich.
Ben P. Cornell, St. Louis.
C. Herbert Coy, Valley, Neb.
F. L. Cranson, Silver Creek, N. Y.
E. F. Crossland, Toronto, Can.
C. H. Crossman, Rochester, N. Y.
W. B. Currie, Milwaukee, Wis.
Albert Cuttman, Manitowoc, Wis.
J. H. Daytin, Painesville, O.

O. H. Dickinson, Springfield, Mass.
A. Lee Don, New York.
Edward W. Dorey, New York.
B. W. Dulaney, Cincinnati, O.
Roy A. Edwards, Kansas City, Mo.
Geo. B. Edgerton, Buffalo, N. Y.
J. W. Edmundson, San Jose, Cal.
Edward J. Flood, Philadelphia, Pa.
J. H. Ford, Ravenna, O.
W. B. Foresman, Lafayette, Ind.
Leo M. Fox, Cincinnati, Ohio.
W. A. Garrabratt, St. Joseph, Mo.
J. L. Gillespie, Detroit, Mich.
Geo. S. Green, Chicago, Ill.
W. H. Grenell, Saginaw, Mich.
M. B. Griswold, Lincoln, Neb.
Chas. P. Gueff, Cambridge, N. Y.
H. C. Hastings, Atlanta, Ga.
Albert G. Heath, Chicago, Ill.
A. O. Hogg, Toronto, Can.
W. W. Hoisington, Chicago, Ill.
H. L. Holman, Hamsburg, Pa.
O. S. Hulett, Detroit, Mich.
Ralph E. Huntington, Painesville, O.
F. G. Johnson, Jackson, Mich.
Clarence K. Jones, Baltimore, Md.
Wm. R. Jossman, Detroit, Mich.
Frank P. Kiarn, Paris, Ky.
L. A. Kipping, Sedalia, Mo.
C. M. King, Minneapolis, Minn.
S. Phillips Landreth, Bristol, Pa.
W. C. Langbridge, Albany, N. Y.
Edward S. Leonard, Chicago, Ill.
Robert W. Leonard, Chicago, Ill.
Simeon F. Leonard, Chicago, Ill.
C. W. LeMay, London, Eng.
H. A. Leuthorp, Port Hope, Ont.
A. W. Livingston, Columbus, O.
H. R. Livingston, Columbus, O.
R. Livingston, Columbus, O.
J. Loewith, New York.
W. B. Lucas, Sheboygan, Wis.
J. M. Lupton, Mattituck, N. Y.
L. B. McCausland, Wichita, Kan.
Albert McCullough, Cincinnati, O.
W. E. Marshall, New York.
Charles C. Massie, Minneapolis, Minn.
J. S. Michael, St. Louis, Mo.
J. T. Murphy, Columbus, O.
C. G. Nicholas, New York.
W. H. Nickols, Painesville, O.
L. L. Olds, Madison, Wis.
Chas. N. Page, Des Moines, Ia.
E. L. Page, Greene, N. Y.
Joseph R. Page, Greene, N. Y.
Lyman A. Page, Greene, N. Y.
E. M. Parmelee, Sheboygan, Wis.
I. G. Peppard, Jr., Kansas City, Mo.
C. J. S. Phillips, Toledo, O.
W. T. Phillips, Toledo, O.
A. O. Pieper, San Jose, Cal.
Fred S. Plant, St. Louis, Mo.
Frederick S. Radwaner, New York.
William Rehm, Odense, Denmark.
J. C. Robinson, Waterloo, Neb.
Kenneth Romig, Chicago, Ill.
Wm. Rose, Louisville, Ky.
D. D. Rowlands, Sheboygan, Wis.
Wm. G. Scarlett, Baltimore, Md.
Thomas A. Scott, Cadiz, O.
E. F. Sheap, Jackson, Mich.
Herman Simmers, Toronto, Ont.
V. H. Simmers, Toronto, Ont.
Curtis Nye Smith, Boston, Mass.
J. A. Smith, Toledo, O.
L. M. Smith, Chicago, Ill.
E. L. Southworth, Toledo, O.
E. T. Stanford, Buffalo, N. Y.
Walter P. Stokes, Philadelphia, Pa.
R. O. Strong, Cincinnati, O.
W. P. Stubbs, Louisville, Ky.
R. L. Templin, Cleveland, O.
Hugo Teweles, Milwaukee, Wis.
E. E. Thilman, Erie, Pa.
Thomas Tobin, Kansas City, Mo.
Leonard H. Vaughan, Chicago, Ill.
Geo. R. Warren, Alpena, Mich.
G. Willett Warren, Alpena, Mich.
W. A. Wheeler, Mitchell, S. D.
Oscar H. Will, Bismarck, N. D.
S. F. Willard, Netherlands, Conn.
S. F. Willard, Jr., Cleveland, O.
S. A. Wilson, Madison, Wis.
Henry W. Wood, Richmond, Va.
Watson F. Woodruff, Orange, Conn.
Wm. H. Woodruff, Milford, Conn.
C. A. Wough, Cleveland, O.
P. J. Zinton, Binghampton, Ky.

THE LADIES.

Mrs. Albert McCullough, Brookline, Mass.
Mrs. Linnaeus Allen, Floral Park, N. Y.
Mrs. J. B. Bloxham, Buffalo, N. Y.
Mrs. C. S. Burge, Toledo, O.
Mrs. C. H. Crossman, Rochester, N. Y.
Mrs. E. J. Flood, Philadelphia, Pa.
Mrs. J. W. Ford, Ravenna, O.
Miss Dolly Freimel.
Mrs. C. A. Hogg, Toronto, Can.
Miss Ida Hogg, Toronto, Can.
Mrs. W. B. Lucas, Sheboygan, Wis.
Mrs. C. N. Page, Des Moines, Ia.
Mrs. E. L. Page, Greene, N. Y.
Mrs. E. M. Parmelee, Sheboygan, Wis.
Mrs. C. J. S. Phillips, Toledo, O.
Mrs. W. T. Phillips, Toledo, O.
Mrs. J. W. Ratekin, Shenandoah, Ia.
Mrs. W. D. Ross, Louisville, Ky.
Mrs. D. D. Rowlands, Sheboygan, Wis.
Mrs. E. T. Stanford, Buffalo, N. Y.
Mrs. H. Teweles, Milwaukee, Wis.
Mrs. Frank Therkildson.
Mrs. S. A. Wilson, Madison, Wis.

SEEDS FOR SUMMER SOWING

PERENNIALS



CAMPANULA—Canterbury Bell.

Campanula—	Trade Pkt.	Oz.	Dianthus Barbatus Sweet	Trade Pkt.	Oz.
Medium, single mixed (Canterbury Bell),.....lb. \$2.00	\$0.05	\$0.20	William.	\$0.05	\$0.15
White, blue, striped or pink.....each	.10	.40	Single Mixed.....	.10	.50
Double mixed.....	.15	.80	Single Giant Flowered, mixed.....	.10	.50
Double and single mixed	.10	.60	Albus, pl. Double white.....	.15	.60
Calycanthema (Cup-and-Saucer), choice mixed....	.20	1.20	Atrosanguineus, pl., Double blood red.....	.25	1.00
Calycanthema, pink, striped, blue, white.....each	.25	2.00	Roseus, pl., Double rose.....	.25	
Coreopsis Lanceolata	.10	.25	Double mixed.....	.15	.50
Daisy Shasta Alaska	.25	1.50	Double Giant Flowered, mixed.....	.25	1.00
Delphinium (Larkspur) Elatum Hybridum mixed	.05	.25	Vaughan's Special Mixture, double and single.....	.25	1.00
Elatum Hybridum, double			Barbatus X Chinensis.....	.10	.40
Hybrids, mixed.....	.15	1.00	Digitalis Grandiflora (Golden Foxglove), dwarf	.05	.15
Formosum, blue.....	.10	.60	Gloxiniaeflora, mixed.....	.10	.30
Celestinum, sky-blue.....	.15	.60	White, Pink Purple.....	.10	.40
Grandiflorum.....	.25		Macnata Iveryana , spotted.....	.10	.35
Chinense, single blue.....	.10	.30	Purpurea Monstrosa, mixed	.10	.40
Mixed white.....	.10	.40	Mixed.....	.05	.20
Nudicaule scarlet.....	.25		Vaughan's Special Mixture.....	.15	.60
Caucasicum.....	.10	.40	Gaillardia Grandiflora , mixed.....	.05	.20
Cashmerianum, dark blue	.25		Grandiflora Compacta, mixed.....	.10	.40
Speciosum Glabratum, blue	.10	.40	Grandiflora Maxima Kermesina Splendens.....	.15	.60
Sibericum Hybridum.....	.15	.50	Sulphurea Oculata Sulphur Queen.....	.10	.60
Vaughan's Special Mixture of Perennial Larkspur.....	.35	3.50	Coppery red.....pkt. 15c		
Vaughan's Premium Hybrids, best English strain.....	.25	1.00	hollyhocks , double white, yellow, pink, blood-red, deep rose, salmon crimson, Dr. Faust: white with pink base; white with purple base; each, ¼ oz., 30c	.15	1.00
Dianthus Barbatus (Sweet William) Albus white	.10	.30	Chater's Prize Double, mixed.....¼ oz., 25c	.15	.80
Atrosanguineus, blood red.....	.10	.30	Poppy, Oriental scarlet.....	.10	.35
Carmine Beauty.....	.25		Pyrethrum roseum hybridum grandiflorum	.25	2.00
Coppery red.....	.25		Stokesia Cyanea.....	.15	.85
Diadematus.....	.25	2.00			
Harlequin.....	.05	.20			
Johnson's Giant.....	.10	.75			
Nigrescens, velvety black maroon.....	.10	.25			
Rose Newport Pink.....	.25	1.25			
Salmonous, salmon.....	.25	2.00			
Sutton's Scarlet.....	.25				

CHICAGO

VAUGHAN'S SEED STORE,

NEW YORK

MANN'S

Lily of the Valley

are the finest in existence and their flowers bring the best prices on the London market. For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany

Francesco Bulleri

Purveyor to the Royal family of Italy.

SCAFATI (near Pompei) ITALY.

NOVELTY FLOWER SEEDS—BULB AND PLANT PRODUCTIONS.

PETUNIA, PANSY, CINERARIA, and a great variety of other seeds. Write for price list and send orders to V. SHAKETANO, 50 West 30th Street, NEW YORK, agent and representative for the United States.

JESSE E. NORTHRUP'S condition remains about the same.

FRENCH freesia crop conditions are reported very discouraging.

CHICAGO.—Prices for grass seed on the Board of Trade July 2 showed a decided advance, timothy being quoted at \$4.50 to \$5.00 per 100 pounds.

CHILLICOTHE, O.—Schilder Bros. report their seed crops looking very good. They lost a few acres from hail but aside from that all the fields are looking well.

OUR report of the meeting of the Wholesale Grass Seed Dealers' Association in last week's issue gave the name of John A. Smith of Toledo, O., as secretary of that organization. This is an error, the secretary elected being Lyndon M. King of Northrup, King & Co., Minneapolis, Minn.

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists and Market Gardeners.

Mention the American Florist when writing

ROEMER'S Superb PANSIES

The finest strain of Pansies in the World. Introducer and Grower of all the leading Novelties. Highest Award International Exhibition, Dusseldorf, 1905. Catalogue free on application.

FRED. ROEMER, Seed Grower, Quedlinberg, Germany

Mention the American Florist when writing

Western Seed & Irrigation Co.

Wholesale Seed Growers and Dealers

SPECIALTIES:

Sweet, Flint and Dent Corn; Cucumber, Musk and Watermelon; Pumpkin and Squash.

FREMONT : NEBRASKA

Mention the American Florist when writing



H. WREDE

LUNEBURG, GERMANY

PANSY SEED

180 First Prizes, the highest awards Chicago, Paris, London, Bruxelles, Berl., Hamb., Roma.

1000 seeds, finest mixed...25c
1 oz.\$2.25

Price list on application. Cash with order

Mention the American Florist when writing

Lily of the Valley Pips

WE have on hand a few cases of Lily of the Valley Pips, (3000 to case) Berlin and Hamburg, which we offer at \$32.00 Per Case (of 3000).

J. M. Thorburn & Co

53 Barclay St.

New York

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

THE G. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn

SEEDS

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited

Boston, England

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer

A RECENT bulletin of the Department of Agriculture treats of "Sites, Soils, and Varieties for Citrus Groves in the Gulf States." While rich, alluvial soils produce trees of rank growth the finest and highest priced fruits grow on nearly sterile soils. The land must be located so as to be naturally protected from frost.

Prices of Indoor Fruits and Vegetables.

Chicago, June 23.—Mushrooms, 35 cents to 65 cents per pound; lettuce, 15 cents to 25 cents, small cases; radishes, 75 cents to \$1.00 per 100 bunches; cucumbers, 45 cents to 50 cents per dozen; asparagus, 75 cents to \$2.00 for 24 bunches.

New York, June 21.—Cucumbers, 20 cents to 50 cents per dozen; mushrooms, 50 cents to \$1.50 per 4-pound basket; tomatoes, 5 cents to 10 cents per pound; radishes, 50 cents to 75 cents per 100 bunches; rhubarb, 50 cents to \$1.00 per 100 bunches; lettuce, 50 cents to 90 cents per basket, crate or barrel.

Greenhouse Soils.

It is none too soon to make arrangements for the soil used the coming winter. While the florist depends on a new supply each season, the vegetable grower generally continues using the same earth for years. This practice, while convenient, carries with it grave dangers, as many a grower can testify. For there is no safer way of spreading and breeding diseases and bacteria than by continually planting the same thing either indoors or out. If we had a proper rotation under glass it would be much better. We have never sterilized our beds, having always succeeded without, but we have been careful in many ways, such as cleaning up, introducing some new soil each year, starting all plants in new beds, always; using lime freely and by natural culture.

At this time we wish to call attention to the desirability of using some new soil each season, discarding part of the old, if necessary. To this end we select a piece of land suitable, add to it such permanent fertilizers as potash and phosphate, also lime, if needed, and whatever sand or manure is desirable, and this we incorporate with horse tools, using the plow and disc freely, for weeks, until it is in the best of condition. When the time comes, such a supply is invaluable.

MARKETMAN.

CHARLESTON, W. VA.—S. A. Gregg recently absorbed the interests of his partner, H. F. Winter, in the Charleston Cut Flower and Plant Co., and will conduct the business entirely himself. He has two such able men as J. J. Kral of Pittsburgh, a designer, and Frank Fischer, of Chicago, who is also an experienced man in floral matters. Mr. Winters will take it easy for a while before engaging in any other undertaking.



"Superb Quality" Seeds for Florists

The Storrs & Harrison Co.'s Superb Mixture of GIANT PANSY SEED

contains the Ultimate in Giant Pansies
You cannot buy a better mixture of Pansy Seed at any price.

Trade Pkt., 50c.; 1/4-oz., \$1.25; oz., \$4

We carry in stock all named and separate colors of Giant Pansies; also the best strains of Oclier, Cassier, Bugnots, Trimardeau, etc. (See our trade list for prices).

CINERARIA GRANDIFLORA, Mixed (A magnificent strain.) BELLIS PERENNIS (English Daisy)

Trade packet, \$1.00.

Longfellow (Red), Snowball (white), tr. pkt., 35c; Mixed Colors, tr. pkt., 25c.

ALL OTHER SEASONABLE SEEDS

Annual and Perennial

Is your service in Flower Seed Satisfactory?

This "Trade Mark" is the symbol of 60 years of Satisfactory Service.

The Storrs & Harrison Co.
Painesville, Ohio



Mention the American Florist when writing

TO THE TRADE

HENRY METTE, Quedlinburg, Germany

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per 1/4 oz., \$1 per 1/8 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Mention the American Florist when writing

Primula Obconica, strong plants, in bud and bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2 1/2-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong, 2 1/2-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengerl, strong, 2 1/2-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the American Florist when writing

OKLAHOMA CITY, OKLA.—A local organization of women will hold a flower show here sometime in July. Prizes amounting to \$200 are offered.

SCOTTSVILLE, N. Y.—The fourth annual flower show of local interest will be held at Windsor Hall, August 21-22. A great number of valuable premiums have been offered by individuals and business firms to the successful growers.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

trade Mark. American Spawn Co., St. Paul, Minn

Mention the American Florist when writing

J. E. MEREDITH, PRES. C. W. STOUT, Sec'y

The Meredith Flower and Vegetable Co.

LIBERTYVILLE :: ILLINOIS

Mention the American Florist when writing

ROSE STOCK

Mrs. Geo. Shawyer and Milady, \$30.00 per 100, \$250.00 per 1000.

Pink and White Killarney and Richmond, grafted, \$20.00 per 100;
Own root, \$10.00 per 100.

My Maryland, Lady Hillingdon and Bon Silene, own root, \$10.00 per 100.

Sunburst, \$20.00 per 100. American Beauty, \$12.00 per 100.

The above stock all from 4-in. pots and warranted to give satisfaction. A plain unvarnished tale as advertisements go but we always stand back of our goods.

CHAS. H. TOTTY, Madison, N. J.

Freesias California Grown



Mammoth, 3/4 and up.....\$8.00
Choice, 1/2 to 3/4-in..... 5.00
First Quality, 3/8 to 1/2-in..... 3.00

Vaughan's Giant White
Long Stem Variety
Per 100..... \$ 1.50
Per 1000..... 12.00
Purity--True
Per 100 Per 1000
3/4 in. to 1-in.....\$3.00 \$25.00
1/2 in. to 3/4 in..... 2.50 20.00
1/4 in. and over... 1.75 15.00
3/8 in. to 1/2 in... 1.50 12.00

Vaughan's Seed Store,
CHICAGO NEW YORK

Mention the American Florist when writing

BOXWOOD

Write for Sizes and Prices

F. O. FRANZEN,
1476 Summerdale Avenue,
CHICAGO ILLINOIS.

Mention the American Florist when writing

CARNATIONS

F. DORNER & SONS CO.,

LaFayette, - - Indiana

Mention the American Florist when writing

We offer the following stock in fine shape for late trade at watering places and other summer resorts, etc. Stock is in first-class condition.

HYDRANGEA OTAKSA

In Bud and Bloom for Immediate Use.

We have a fine stock of pot grown plants in 6-in. and 7-in. pots, just beginning to show color; in fine shape. 50c and 75c each.

We offer, also, a large stock of well-budded plants for July and August flowering. Plants in large tubs, \$2.00 and \$3.00 each; extra large specimens in half-barrels at \$5.00 and \$7.50 each.

Geraniums. In bud and bloom, extra fine stocky plants in 4-in. pots—S. A. Nutt. Double Grant, Jean Viaud; also Rose Geranium. \$8.00 per 100.

Cannas. Beate de Poitevine, Pierson's Premier, Mlle. Berat, L. Patry, etc. Extra heavy plants in 4-in. pots. \$5.00 per 100.

Caladium Esculetum. Very strong started plants in 5-in. and 6-in. pots. \$1.50 per dozen.

Heliotrope. 2 1/4 in. pots, \$3.00 per 100; extra strong plants in 3 1/2 in. pots. \$6.00 per 100.

Salvia. 2 1/4 in. pots. \$3.00 per 100.

Nasturtiums. 3-in. pots, \$4.00 per 100.

Coelus. Firebrand and assorted varieties in 2 1/4 in. pots, \$3.00 per 100.

Marguerites or Daisies in bloom. 2 1/4 in. pots, \$4.00 per 100.

Lobellias. 2 1/4 in. pots, \$3.00 per 100.

English Ivy. Large stock of extra strong plants in 3 1/2 and 4-in. pots, good value at \$10.00 per 100.

Egg Plants. New York Improved. 3 1/2 in. pots, \$4.00 per 100.

Dracena Indivisa. Very large specimens for center of large vases. Plants 3 ft. high, \$2.50 each. Strong plants in 5-in. pots, \$3.00 per dozen.

Asparagus Plumosus Nanus. Extra heavy plants in 3 1/2 in. pots, \$8.00 per 100.

FINE FERNS FOR SUMMER DECORATION.

For Immediate use. We have a fine stock of the following varieties in the sizes offered.

Elegantissima. 6-in. pots 50c each; 8-in., \$1.00 each.

Harrisii form of *Bostoniensis*—the best of all of the plain-leaved type, 8-in., \$1.00 each; very heavy specimens in 10-in. pots, \$3.00 and \$4.00 each.

WINTER-FLOWERING ROSES.

White Killarney, Pink Killarney, Richmond, Lady Hillingdon and Killarney Queen.

We have a small surplus over and above our own requirements of the above named varieties.

Strong grafted plants in 3 1/2 and 4 in. pots, which we can supply as long as unsold.

F. R. PIERSON CO., - Tarrytown-on-Hudson, N. Y.

PALMS, FERNS AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N Y

Mention the American Florist when writing

KENTIAS.

Joseph Heacock Co.,

Wyncote, Pa.

Mention the American Florist when writing

ENCHANTRESS SUPREME DAILLEDOUZE BROS.

Lenox Road and Troy Ave.,
BROOKLYN, N. Y.

Mention the American Florist when writing

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown Junc., N. J.

Mention the American Florist when writing

The Nursery Trade

American Association of Nurserymen.

J. B. Pilkington, Portland, Ore., President-elect; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-ninth annual convention to be held at Cleveland, O., 1914.

WILLOWS, CAL.—The plant of the Glenn County Nursery in Carllenberg tract, was damaged by fire June 11, to the extent of \$6,000, insurance \$1,100.

HOUSTON, TEXAS.—A floral and nursery company under the name of The Henk Dirken Floral and Nursery Company, Importers, recently incorporated by E. P. Daviss, Henk Dirken, E. P. Daviss, Jr., J. L. Russell and A. E. Keisling, and capitalized at \$20,000, are open for business.

ROSE HILL, N. Y.—The F. W. Brow Nursery Co. has incorporated with a capital stock of \$25,000. The firm has 140 acres of land. Mr. Brow has had charge of the W. & T. Smith Co. of Geneva for nearly 6 years. The directors are: F. W. Brow, Frank B. Mills of the Mills Seed Co. and C. Albert Weeks.

Echoes of Nurserymen's Convention.

The visit of the members of the three nurserymen's associations, the American, Pacific Coast and Oregon-Washington, to the Oregon Nursery Co., Orenco, Ore., June 20, was a most enjoyable one, every preparation having been made for their reception and entertainment. One corner of the large packing shed had been converted into a diminutive Oregon forest. Large maple boughs formed a bower under which the guests were seated at the banquet table. Fir trees and large ferns formed the sides, while white peonies were used to brighten the green background. Baskets trimmed with strawberries and cherries were arranged on the tables. Red apples, with the "Orenco" tree label, did duty as place "cards." After the banquet and the toasts the guests, numbering 350, were shown through the company's 1,200 acres of nurseries.

Because some of Portland's young hopefuls took the "help yourself" sign at the side of each crate a little too literally, the eastern visitors feared for a time that they would miss the treat of luscious cherries which had long been promised them. The cherries, said to contain two bites each, were left in the convention hall and the aforementioned signs were placed where all could see. The trouble was the signs were too indefinite. They failed to state who should have the privilege of helping themselves. Taking it for granted that there were no restrictions as to who should benefit, a number of boys "helped themselves" with such abandon that there were soon no cherries left. This took place while the convention was deliberating over affairs of state. The loss was discovered in time, however, and another supply took the place of those that had vanished. The "help yourself" signs remained as before, but this time a number of attendants saw that only the proper persons took advantage of the invitation.

Improvement Fund Committee.

We, the members of the American Association of Nurserymen and the Pacific Coast Association of Nurserymen, realizing that the multiplicity of state laws governing the control of injurious insects and diseases on all classes of horticultural products are often a menace, and realizing that these laws govern particular areas of the country which have a diverse horticultural production, and differing conditions of soils and climates; and inasmuch as it is a well settled fact that depleted soils invite enemies, such as insects and diseases, fungus and bacterial elements (which is in accordance with natural laws provided for the elimination of all unfit plant life); and realizing that the growing of horticultural products and their free exchange between one section of the country and another is often retarded, hampered, and in many cases made unprofitable and prohibitive under much of the legislation now in force in the several states; and realizing that it is of the utmost importance that all horticultural products should be as free as possible from injurious insects and diseases, which have at times resulted in diverse, drastic and in some cases in unjust conditions or the free and equitable exchange of horticultural products of all kinds; therefore,

It is recommended by this joint committee, representing in its personnel the American Association of Nurserymen and the Pacific Coast Association of Nurserymen, that both organizations proceed to provide moneys (to be known as the "Horticultural Improvement Fund"), by a voluntary contribution not to exceed \$25 from the firms in both associations, or others interested in horticulture; said contributions to be made within 90 days from the date of this notice, and payments to be made to the treasurer of the American Association, for the express purpose of providing ways and means to secure uniform horticultural laws, as between one state and another, which in our judgment is only feasible by the appointment of a committee whose duties shall be to secure copies of all horticultural laws now in force in all the states and territories of the United States; and to make a digest of the same, to the end that there shall be evolved and created out of this investigation and study a law that shall develop, foster, conserve and protect all the interests of horticulture in all its several divisions, and which shall have the support and indorsement of horticultural offices and all the horticultural industries of the several states. And we further recommend that this

convention adopt this report and proceed to carry out its provisions by the appointment of a committee of three, which shall consist of one member from the Atlantic coast, one from the Mississippi valley region, and one from the Pacific coast, with full power to utilize this fund as in their judgment shall be deemed necessary. And it is further recommended that this report be placed upon the records of both organizations.

All of which is respectively submitted.

COMMITTEE.

BAY CITY, MICH.—At Alpena in the \$10,000 damage suit of the Sioux City Seed and Nursery Co., against the Detroit & Mackinac Ry., for building its new \$70,000 station across the street, the judge instructed the jury to bring in a verdict of 6 cents damages.

ROSES, CANNAS
Shrubbery
THE CONARD & JONES CO.,
West Grove, Penna.

Roses See prices
Page 1236
June 21st.

THE LEEDLE FLORAL COMPANY,
SPRINGFIELD-OHIO.

Geraniums and Smilax

Extra Fine Stock of Both—Ready Now.

\$10.00 per 1000 for Nutt and Poitevine.
\$12.50 per 1000 for Ricard.
\$12.50 per 1000 for Smilax.

ALBERT M. HERR, Lancaster, Pa.

HOLLYHOCKS

In assorted colors, \$40 per 1000

Hardy Chrysanthemums

In best varieties, Clumps, \$5 per 1000
Strong plants from 2½ inch pots, \$3.00 per 100.

A General Variety of HERBACEOUS PERENNIALS from 2½-inch pots.

THE NEW ENGLAND
NURSERIES CO.,

BEDFORD, MASS.

B. & A. SPECIALTIES.

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Spring Bulbs and Roots, Conifers, Pines.

ENGLISH IVY.

4 ft. bushy, 4 inch pots.....\$15.00 per 100
4 and 5 ft. bushy, 4½ inch pots 20.00 per 100

Good value for window effect.

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Dept. of Floriculture, University of Illinois.

Inquiries regarding fertilizers and manures are solicited for this department. Address all inquiries to THE AMERICAN FLORIST, 440 South Dearborn street, Chicago.

Care of Manure.

Manure varies so much in its strength (that is, its content of fertilizing elements), that particular care should be paid to its protection between the time it is made and used. A larger portion of the fertilizing elements, except phosphorus, is contained in the liquid part, as is shown by the following analysis of cow manure:

	Nitro-	Phos-	Potas-
	gen	phorus	sium
Solid	.86	.44	.12
Liquid	91.5	1.05	trace

Not only does the liquid portion contain more of these elements, but the nitrogen in the solid portion has passed through the alimentary tract unacted upon by the digestive juices, and is therefore not readily broken down and made available for the use of the plants. The importance of preserving as much of the liquid portion as possible is apparent and where it is possible to oversee the bedding of the animals furnishing the manure, it is a paying proposition to see to it that enough bedding is used to absorb the liquid portion of the manure, and that the floor be made hard enough to prevent much loss by leaching.

How serious the loss by leaching is may be seen from an experiment conducted by the Maryland experiment station. A pile of 80 tons of manure allowed to lie uncovered and exposed to the weather for a year contained only 27 tons at the end of that time. How to prevent the loss by leaching and to the air in form of ammonia is a problem of importance. With the very best care, it does not seem possible to prevent some 15 to 20 per cent of the manure being lost. This loss represents the most active compounds containing nitrogen and the potassium salts and in addition the easily decomposed portions of the straw. In old manure an analysis will often show as high a content of nitrogen and potassium and usually a higher phosphorus content, but because the materials left are those most resistant to decay, the manure has lost its greatest value as a plant food.

Four things should be kept in mind in the care of manure. First, it should be kept compact. Manure which has been tramped under the feet of the animals till ready for use loses least strength, but since this is not practicable, in most cases, it is a good plan to stack it in a compact rick. Secondly, plenty of moisture should be kept in the manure. This to prevent the access of air and to absorb ammonia that in a dry pile would be lost to the air. "Fire fanged" manure is of poor value as a fertilizer. The presence of plenty of water also has a tendency to keep down the temperature in piles of "hot" manures (horse and sheep manures) and prevent them "firing." On the other hand, if too much water is added, beyond that the manure can absorb, leaching occurs and the solu-

ble constituents are lost in this manner. For this reason, where it is practicable to do so, manure should be stacked under cover. If this cannot be done, then rick it with slightly sloping smooth sides so that most of the rain will be shed.

An interesting fact is that manure stacked on an old manure bed, say a foot thick, will lose less than that stacked on new ground. The scientific explanation for this is that carbon dioxide coming off from the old pile as bacteria act on it, unites with water and ammonia and prevents its loss into the air. Regardless of this, however, it is a point that should be considered in locating a rick. There are a number of chemicals which may be added to manure as it is stacked, to prevent loss. Gypsum has been recommended for this purpose, as has kainit. Acid phosphate contains about 50 per cent gypsum and is acidic as well, and is especially to be recommended for this purpose. It not only aids in retaining the ammonia but supplies phosphorus, the element in which manures and soils as a rule are most deficient.

F. W. MUNCIE.

New Bedford, Mass.

The annual rose show of the New Bedford, Mass., Horticultural Society was held June 24 in the lower corridors of the Public Library. The exhibition was larger than ever this year, and the profusion of flowers reach from the long table stretching across the east end of the building from entrance to entrance which the exhibition of the H. H. Rogers estate completely fills, down the center aisle with a great display from the rose gardens of Miss Sarah B. Fay of Woods Hole and Harry E. Converse of Marion, to the west end of the hall where John A. Rugles, Jr., and Miss Alice Stackpole of Mattapoisett have their exhibitions and fill the air with their fragrance. And then there are many other smaller exhibitors.

The prize of thirty dollars' worth of the finest rose bushes from the Walsh gardens at Woods Hole given by Mrs. Fay has done a great deal to bring out the amateur exhibitions.

An offer of fifteen roses has been made for every new member joining the horticultural society.

The object of the society is to stimulate the interest of the people of New Bedford toward the beautifying of their homes by the culture of shrubbery and plants, etc. To this end they give both the rose show and the peony show free each year.

The crush was so large that a squad of ten of the Boy Scouts had to be procured to keep the corridors clear.

CHATTANOOGA, TENN.—The present greenhouses in East Lake park have long outgrown their usefulness. These will be demolished and replaced by modern structures at an early date.

TOLEDO, O.—Mrs. J. B. Freeman, well known successor to Geo. A. Heintz, and Walter H. Crause of Cincinnati, formerly of this place, were married June 30, at the Unitarian church, this city. The church was beautifully decorated with shasta daisies, American beauty roses, plumosa and asparagus. Mr. Crause will join the bride in business but the firm name will remain as heretofore.

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MEMPHIS, TENN.—The Memphis Floral Co., Inc., has filed a voluntary petition in bankruptcy.

MINNEAPOLIS, MINN.—The Minnesota State Peony Association, an organization for the encouragement of the growth of the flower, was completed at a meeting held June 24, at the home of Mr. and Mrs. B. Hoyt. Mr. Hoyt was selected as the temporary president, while L. J. Boughner, chairman, Mrs. H. B. Tillotson and Henry Tatthey were named as a committee to draft a constitution and by-laws. Rev. C. S. Harrison of York, Neb., was the principal speaker and selected "Peonies" as his theme.

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Chas. Henderson
Egandale
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New Chicago, \$5.00 per 100
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New Chicago, \$7.00 per 100
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New Chicago, \$10.00 per 100
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Ivy Leaved Geraniums, 2-in., \$3.00 per 100.

Beauty of Jersey

Joan of Arc

Chas. Turner

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La Favorite; Columbia; Mrs. F. Perkins; Jean Viaud; Jacqueri, \$6.00 per 100; S. A. Nutt; John Doyle; Decorative, \$6.00 per 100

Geraniums, 4-in., \$6.00 per 100, except where noted.

Jean Viaud

Decorative, \$8.00 per 100

Mrs F. Perkins

La Favorite

Beaute Poitevine

Per 100
Anthrrium, white, 2-in. \$2.00
Ageratum, Little Blue Star, 2-in., 2.00
" " " 3-in., 4.00
Begonia Luminosa, 2-in. 2.00
" Prince Dona, 2-in. 2.00
" Vernon, 2-in. 2.00
" Fairy Queen, 2-in. 2.00
Coleus, Verschaffelti, 2-in. 2.00
" Golden Bedder, 2-in. \$2.00

Per 100
Coleus, Black Prince, 2-in. 2.00
" Anna Pfister, 2-in. 2.00
" John Pfister, 2-in. 2.00
Cosmos, asstd., 2-in. 2.00
Abutilon Savitsli, 2-in. 4.00
" " 3-in. 5.00
Heliotrope Mam., mixed, 2-in. 2.00
Marguerite, Queen Alexandra, 2½-in. \$3.00

Per 100
Marguerite, Mrs. F. Sanders, 2½-in. 3.00
Moonvine, blue, 2-in. 3.00
" white, 2-in. 3.00
Smilax ... \$25.00 per 1000. 3.00
Thunbergia, Black-Eyed Susan, 2-in. 2.00
Weeping Lantana, 2-in. 3.00
Verbena, white. 2.00

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31 W. Randolph St., CHICAGO

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Plants from 2½ inch pots \$3.00 per 100.

Asparagus Plumosus, **Asparagus Sprengeri**; **Parlor Ivy**; **Phlox**, Drummond dwarf; **Ageratum**; **Euonymus**, **Radicans** var.; **Euonymus**, golden variegated; **Hydrangea Otaksa**; **Bridal Myrtle**; **Swainsona Alba**; **Artillery Plant**; **Coleus**, Verschaffeltii, Golden Bedder; **Moonvine**, large flowering white; **Lemon Verbenas**.

Plants from 3 inch pots, \$4.00 per 100.

Ampelopsis Veitchii; **Ivy**, hardy English; **Pas-sion Vine**.

Kentia Belmoreana, 3 in. pots, 3-4 leaves, \$1.50 per doz.

Myrtle Plants, the real bridal Myrtle, 4 in. pots, \$1.50 per dozen; 3 in. pots, \$1.00 per dozen.

Passion Vine, 4 inch pots, 10c each.

Honeysuckle Halleana, 4 in. pots, \$1.50 per doz.

C. EISELE,

11th and Westmoreland Streets
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Roses, from 3-inch pots. **Chrysanthemums**
Carnations for fall delivery. **Smilax**, **Violets**

IN BEST VARIETIES.

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BOX TREES.

Very Effective and Appropriate for Wedding Decorations.
Unexcelled for Veranda and Lawn. They
Produce Immediate Effects.

PYRAMIDAL BOX TREES.

Nice Trees, 2 to 2½ feet, \$1.30 each, \$2.50 per pair.
" " 2½ to 3 feet, 1.75 each, 3.35 per pair.
" " 3 to 3½ feet, 2.15 each, 4.00 per pair.
" " 3½ to 4 feet, 2.55 each, 5.00 per pair.
" " 4½ to 5 feet, 5.10 each, 10.00 per pair.

BUSH BOXWOOD.

Bushy Plants, 8 to 10 in., 20c each, \$1.75 per dozen.
" " 10 to 12 in., 30c each, 2.75 per dozen.
" " 12 to 15 in., 35c each, 3.25 per dozen.
" " 15 to 18 in., 50c each, 4.50 per dozen.
" " 18 to 20 in., 75c each, 7.50 per dozen.

STANDARD BOX TREES.

15 inch crown, \$1.50 each, \$2.75 per pair.
18 inch crown, 2.00 each, 3.50 per pair.

BOXWOOD PLANTED IN MISSION BOXES.

For the convenience of those wanting to purchase trees already planted, we here offer some of the most desirable sizes.

Nice Pyramidal Box, about 30 in. high, planted in Mission Boxes, \$3.00 each, \$5.25 per pair.

Nice Pyramidal Box, about 36 in. high, planted in Mission Boxes, \$4.00 each, \$7.50 per pair.

Nice Pyramidal Box, about 42 in. high, planted in Mission Boxes, \$5.00 each, \$9.50 per pair.

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Special Geraniums

3½-in. NUTT, GRANT and LAKE LAND,
all Reds, at \$6.50 per 100,
\$60 per 1000, Cash.

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60 cents per 100; \$5.00 per 1000.

Dracaena Indivisa, 2-in. \$2.00 per 100.
Geraniums, 2-in. 1.85 per 100.
Cobea Scandens, 2-in. 3.00 per 100.
Marguerite, Mrs. F. Sanders, 2 in. 2.00 per 100.
Double Alysum, 2 in. 2.00 per 100.

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Araucarias excelsa, 6-7-in. pots, 4-5 and 6-7 tiers, 25 to 40 inches high, \$1 to \$2 each; 3, 4 and 5 tiers, 5½ to 6-in., 35c to 75c each. Robusta Compacta Glauca, 6-in., \$1.25 and \$1.50 each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias, excelsa, 2-3 tiers, 50c each; 3-4 tiers, 75c each; 6-in., 4-5 tiers, \$1 each; \$12 per doz.; 7-in., 4-5 tiers, \$1.50 each; \$18 per doz. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Araucarias. C. C. Pollworth Co., Milwaukee.

ASPARAGUS.

Asparagus Sprengerii, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$5 per 100; \$45 per 1,000. Plumosus Nanus, 2½-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100; \$55 per 1,000; 4-in., \$12 per 100; extra strong 4-in., \$15 per 100. Hatcheri, 2½-in., \$2.50 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6; 4-in., \$1.50 per doz. Sprengerii, 3-in., \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus Sprengerii, 2½-in., \$2.50 per 100; \$20 per 1,000; 3-in., 6c. Erie Floral Co., Erie, Pa.

Asparagus plumosus nanus, 3½-in., \$8 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Asparagus plumosus and Sprengerii, 2½-in., \$3 per 100; \$25 per 1,000. James Vick's Sons, Rochester, N. Y.

Asparagus plumosus and Sprengerii, 2½-in., \$2 per 100; \$15 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$2 per 100; Sprengerii, \$2. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmons, Newton, N. J.

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Aspidistra, green and variegated, 10 to 15 leaves per plant, variegated, 15c per leaf; green, 10c per leaf. Poehlmann Bros. Co., Morton Grove, Ill.

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THE SAWYER ASTERMUM—Eight years of strict selection places it on the mountain top of perfection in color, size and profit. Price (cash with order), plants, \$4 per 100. Colors: White, pink and lavender. Send for cuts and description. ALBERT A. SAWYER, Forest Park Ill.

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Aucuba Japonica, bushy plants, 35c to \$2.50 each. Julius Roehrs Co., Rutherford, N. J.

Aucubas, large, \$3 to \$3.50 each; Japonica, 2-ft., \$1; Aucuba type, 2-ft., \$1. Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

BAY TREES.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Bay trees and box trees, all sizes and prices. List on application. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS.

Bedding stock: Antirrhinum, 2-in., \$2 per 100. Ageratum, Little Blue Star, 2-in., \$2 per 100; 3-in., \$4 per 100. Begonia Luminosa, 2-in., \$2 per 100; Prince Dona, Vernon, Fairy Queen, 2-in., \$2 per 100. Coleus Verschaffeltii, Golden Bedder, Black Prince, Anna Pfister, John Pfister, 2-in., \$2 for 100. Cosmos, asst., 2-in., \$2 per 100. Abutilon Savitzii, 2-in., \$4 per 100; 3-in., \$5. Heliotrope, mam., mixed, 2-in., \$2 per 100. Marguerites, Queen Alexandra, 2½-in., \$3 per 100; Mrs. Sanders, 2½-in., \$3 per 100. Moonvine, blue and white, 2-in., \$3 per 100. Smilax, \$3 per 100; \$25 per 1,000. Thunbergia, black eyed Susan, 2-in., \$2 per 100. Weeping lantanas, 2-in., \$3 per 100. Verbenas, white, \$2 per 100. Vaughan's Seed Store, Chicago and New York.

Bedding plants: Geraniums, 4-in., S. A. Nutt, Dbl. Grant, Jean Viand, also rose, \$8 per 100. Cannas, Beaute de Poitevine, Pierson's Premier, Mlle. Berat, L. Patry, etc., 4-in., \$5 per 100. Caladium esculentum, 5-in. and 6-in., \$1.50 per doz. Heliotrope, 2½-in. pots, \$3 per 100; strong 3½-in., \$6 per 100. Salvia, 2½-in., \$3 per 100. Nasturtiums, 3-in., \$4 per 100. Coleus, Firebrand and assorted vars., 2½-in., \$3 per 100. Marguerites or daisies in bloom, 2½-in., \$4 per 100. Lobelias, 2½-in., \$3 per 100. English Ivy, 3½ and 4-in., \$10 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bedding plants, from 2½-in. pots, \$3 per 100: Asparagus Sprengerii, parlor Ivy; Phlox Drummondii, dwarf; ageratum; euonymus radicans var.; euonymus golden var.; Hydrangea Ottaka; bridal myrtle; Swainsona alba; artillery plant; Coleus Verschaffeltii, Golden Bedder; Moonvine, large white; lemon verberna. Plants from 3-in. pots, \$4 per 100. Ampelopsis Veitchii, ivy, hardy English; Passion vine. C. Eisele, 11th and Westmoreland sts., Philadelphia.

BEDDING PLANTS.

	Doz.	100.
Dracena indivisa, 6-in.	\$4.00	\$30.00
Rex Begonias, 2½-in.	.50	3.00
Fuchsias, 2½-in.	.35	2.50
English Ivy, 2½-in.	.40	3.00
English Ivy, 3-in.	.75	5.00
Salvia Splendens, 2½-in.	.40	3.00
Salvia Clara Bedman, 2½-in.	.40	3.00
Asparagus Sprengerii, 2½-in.	.40	3.00
JAS. VICKS'S SONS,		Rochester, N. Y.

Bedding plants, geraniums, Nutt. Buchner, Ricard, Perkins, Poltevine, 2-in., \$2 per 100; 3-in., \$5 per 100. Vinca Var., 3-in., \$5 per 100. Lemon Verbenas, cigar plant, coleus, alternantheras, red and yellow; ageratum, blue; verberna, Salvia Zurich, aster, 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

Bedding stock, geraniums \$8 per 100. Nasturtiums, 3-in., \$6 per 100. Petunias, 3-in., \$6 per 100. Begonia Vernon, 2-in., \$3 per 100; \$25 per 1,000. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Bedding plants: Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, Coleus, Alternantheras, Ageratums, Verbenas, Salvias, Aster, 2-in., \$2 per 100. Geo. M. Emmons, Newton, N. J.

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Bouvardias, red, pink and white, 2-in. pots, \$3 per 100. Henry Smith, Florist, Grand Rapids, Mich.

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BERRIED PLANTS.

Jerusalem cherries for field planting, strong, 2½-in., \$3 per 100; \$25 per 1,000.

Fra Diavola, a fine plant to grow in field for Xmas sales; full of berries, \$3 per 100; \$25 per 1,000.

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Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Wagner Park Conservatories, Sidney, O.

BULBS.

Bulbs, freesias, California grown, mammoth ¾ and up, \$8 per 1,000; choice, ½ to ¾-in., \$5; 1st quality, ¾ to 1-in., \$3. Vaughan's Giant White, long stem variety, \$1.50 per 100; \$12 per 1,000. Purity, true, ¾ to 1-in., \$3 per 100; \$25 per 1,000; ¾ to 1-in. and over, \$1.75 per 100; \$15 per 1,000; ¾ to 1-in., \$1.50 per 100; \$12 per 1,000. Vaughan's Seed Store, Chicago and New York.

Gladioli. A good mixture, \$1 per 100; \$9 per 1,000. Choice Florists' mixture, white, light and pink, \$1.75 per 100; \$18 per 1,000. Pink Augusta, best forcing pink, \$2.25 per 100; \$20 per 1,000. Cash, 250 at 1,000 rates. Also America, Augusta, Francis King, Mme. Moneret, Klondyke, George Paul, etc. Send for price list. STEVEN'S GLADIOLI CO., Saginaw, W. S., Mich.

Bulbs, liliun multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, cold storage Giganteums, 7-9-in., 8-9-in., and 9-10-in. Yokohama Nursery Co., Ltd., 51 Barclay St., New York.

Bulbs. S. S. Skidelsky & Co., 1215 Beta Bldg., Philadelphia.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

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Cannas, 3-in. pots, good sorts, \$3 per 100; \$25 per 1,000. King Humbert, \$5 per 100; \$40 per 1,000. R. Vincent, Jr. & Sons, White Marsh, Md.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

CARNATIONS.

Carnations, field-grown, The Herald, \$12 per 100; \$100 per 1,000. Gloriosa, \$8 per 100; \$75 per 1,000. Pink Delight, \$8 per 100; \$75 per 1,000. White Wonder, \$7 per 100; \$60 per 1,000. White Enchantress, White Perfection, Enchantress, Rose Pink Enchantress, Washington, Victory, Scarlet Glow, \$6 per 100; \$50 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, from 2-in. pots: Rosette, St. Nicholas, Benora, \$6 per 100. White Perfection, White Enchantress, Scarlet Glow, \$3 per 100. F. Dorner & Sons Co., LaFayette, Ind.

CARNATION PLANTS FOR SALE.
A nice stock of healthy carnation plants for sale consisting of White Enchantress, Pink Enchantress, White Perfection, Bonfire, etc. Grower has no use for them. Address Key 859, care American Florist.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Dailledouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

Carnation Princess Dagmar, \$12 per 100; \$100 per 1,000. Patten & Co., Tewksbury, Mass.

Carnation The Herald, the new scarlet, Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, chrysanthemums, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnations. Wood Bros., Fishkill, N. Y.

Carnations. J. L. Dillon, Bloomsburg, Pa.

CHRYSANTHEMUMS.**HEADQUARTERS.****CUT BACK CHRYSANTHEMUM PLANTS.**

WHITE. Each
Emberta 2c
Snow Queen 2c
Lynwood Hall 2½c

YELLOW.
Halliday 2c
Nagoya 2c
Appleton 2c

RED.
Intensity 2c

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WHITE. Each
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Diana 2c

YELLOW.
Baby 2c
Pretoria 2c

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Ladysmith 2c

BRONZE.
Mrs. Beu 2c

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Klondike, yellow.....2.00
Quindale, yellow.....2.00
Lulu, white.....2.00
Mrs. F. Beu, bronze.....2.00
Cash with order or C. O. D.

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519 Asbury Ave.

Chrysanthemum cuttings, from sand and soil as follows: White—Estelle, Smith's Advance. Oct. Frost, Ivory, Pres. Taft. Yellow—Golden Glow, Yellow Ivory, Yellow Eaton. Pink—Glory Pacific, Pink Ivory, Minnie Bailey, \$1.25 per 100; \$12 per 1,000. D. H. Green, Boonsboro, Md.

CHRYSANTHEMUMS from 2½-in. pots.

	Per 100	Per 1,000
Shrimpton	\$2.50	\$20.00
Comeleta	3.50	30.00
Lynnwood Hall	3.00	25.00
Poehlmann	2.50	20.00
Dr. Enguehard	3.00	25.00
R. F. Felton	3.00	25.00
Pacific Supreme	2.50	20.00
Halliday	2.50	20.00
Touset	2.50	20.00
Amorita	3.00	25.00
Poc. Crimson	2.50	20.00

J. D. THOMPSON CARNATION CO.
JOLIET, ILL.

Chrysanthemums from 2½-in. pots at \$20 per 1,000 or \$2.50 per 100, cash: Dr. Enguehard, Robinson, Early Snow, Polly Rose, Diana, Bergman, Queen, Buckbee, Oct. Frost, also Chrysolora, at 3c. From sand or dirt, ready now: Oct. Frost, Touset, Bergman, Yanona, Enguehard, Donatello, Rosiere, White Bonaffon, Robinson, Buckbee, \$2 per 100; \$15 per 1,000. Also fine stock of Chrysolora, 2½c. Joy Floral Co., Nashville, Tenn.

Chrysanthemums, all the best varieties for bush form pot plants, 2½-in., \$3 per 100. Frank Oechslein, 4911 Quincy St., Chicago.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums to clean out. A No. 1 plants of Glory Pacific, early pink, 2½-in., \$1.50 per 100 while they last. None better. C. P. Bethards, Springfield, O.

Chrysanthemums. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, rooted cuttings. Erie Floral Co., Erie, Pa.

Chrysanthemums, leading varieties, \$3 per 100. Henry Smith, Florist, Grand Rapids, Mich.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

CROTONS.

Crotons, 3½ and 4-in., \$4 per doz. Vaughan's Seed Store, Chicago and New York.

CYCLAMEN.

Cyclamen, 3-in. pots, very finest strain, \$10 per 100. Julius Roehrs Co., Rutherford, N. J.

Cyclamen, strong 2½-inch, best colors, \$5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

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Alexandra, 2½-in. 4.00 per 100
Mrs. Sander, 2½-in. 4.00 per 100
Mrs. Sander, 3-in. 6.00 per 100

WEILAND & RISCH,

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Shasta daisies, 10,000 daily, selected, large flowers, 24 to 36 inch stems, \$4 per 1,000. Mexican tuberoses, \$1.90 per 100 spikes. Alvin Jasmine & Floral Co., Alvin, Texas.

DRACAENAS.

Dracena indivisa, 2-in., \$3 per 100; 3-in., \$5; 4-in., \$12; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$6 per doz.; 8-in., \$1 to \$1.50 each. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracena, Lindenl and Massangeana, 5-in., 75c each; \$8 per doz.; 6-in., \$1.25 each; \$12 per doz.; 7-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Chicago and New York.

Dracena indivisa, 3 ft. high, \$2.50 each; 5-in. pots, \$3 per doz. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Elegantissima, 6-in., 50c each; 8-in., \$1 each. Harrisil form of Bostoniensis, 8-in., \$1 each; specimens in 10-in. pots, \$3 to \$4 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 6-in., \$6 per doz.; 7-in., \$9 per doz.; 8-in., \$12 per doz.; Boston and Whitman, 3-in., \$8 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boston and Whitman ferns, 3-in., 10c; 4-in., 15c; 5-in., 25c. Geo. M. Emmans, Newton, N. J.

Adiantum Croweanum, 3-in., \$10 per 100. Erie Floral Co., Erie, Pa.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. C. C. Pollworth Co., Milwaukee.

Ferns. Robbink & Atkins, Rutherford, N. J.

FICUS.

Ficus pandurata, 6-in., \$3.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Rubbers. C. C. Pollworth Co., Milwaukee.

GARDENIAS.

Gardenia, Veitchii, 2½-in., \$7 per 100; \$60 per 1,000; 3-in., \$12 per 100; \$100 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

GERANIUMS.

Geraniums, 3½-inch Nutt, Grant and Lakeland, \$6.50 per 100; \$60 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Geraniums, 250,000, good 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

1,500 4-inch red geraniums, CLIFTON and 1,000 4-inch white geraniums Buchner, \$7.50 per 100. 200 5-inch Sprengerii, 20c each, from pots, and 200 hanging baskets, 40c each. THE RIVERBANK COMPANIES, Geneva, Ill.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geraniums, rooted cuttings, Ricard, \$12.50; Nutt and Poitevine, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, for varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Geraniums, 2½-in., \$25 per 1,000. Cash with order. Frank Felke, 828 Ridge Ave., Wilmette, Ill., Telephone 1236.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut-Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. Caldwell The Woodsman Co., Evergreen, Ala.

Huckleberry foliage, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. E. A. Beaven, Evergreen, Ala.

HOLLYHOCKS.

Hollyhocks, asst. colors, \$40 per 1,000. Hardy chrysanthemums, clumps, \$5 per 100; strong 2½-in. plants, \$3 per 100. Herbaceous perennials from 2½-in. pots. The New England Nurseries Co., Bedford, Mass.

HYDRANGEAS.

Hydrangeas in pots and tubs, \$1.50 to \$3.50 each; large specimens, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

Hydrangea Otaksa, specimens in half-barrels, \$5 and \$7.50 each; 14-inch tubs, \$2 and \$3 each; smaller sizes, 50c and 75c. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

IVIES.

English ivy, 4 ft., 4-in. pots, \$15 per 100; 4½-in., \$20. Bobbink & Atkins, Rutherford, N. J.

English ivy, grown in 3½ and 4-in. pots, \$10 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

English ivy, 4-in. pots, heavy, \$12 to \$14 per 100. Charles Lenker, Freeport, L. I., N. Y.

JERUSALEM CHERRIES.

Cherries, Fra Diavola, 2½-in., \$3 per 100. Jerusalem cherries for field planting, 2½-in., \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

LAUREL.

Laurus cerasus bush, 35c to \$1 each; standards, \$7.50 to \$10 each; pyramids, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

LILY OF THE VALLEY.**To Import.**

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany. Apply to Otto Heineken, 17 Battery Pl., New York.

Lily of the valley, pips, Berlin and Hamburg, \$32 per case of 3,000. J. M. Thorburn & Co., 53 Barclay St., New York.

From Storage.

Lily of the valley, cold storage, \$18 per 1,000; \$9.50 per 500; \$5 per 250. H. N. Bruns, 3032-42 W. Madison St., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

MOSS.

Green sheet moss, 1 bale (5 bundles), \$1.25; 5 bales (25 bundles), \$6. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

Moss, surplus of 12 barrel bale New Jersey moss, delivered anywhere in Chicago, \$5 per bale, 2 or more bales, \$4.75 bale. Kiehm's Nurseries, Arlington Heights, Ill.

Sphagnum Moss, Fancy Cut Ferns. Get our prices before you place your orders. H. Allen & Co., Tomahawk, Wisconsin.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

Sphagnum moss, full size bales, clean stock, new burlaps. Vaughan's Seed Store, Chicago.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture. American Spaw Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Peach pfts. J. K. Morrison Grocery & Produce Co., Statesville, N. C.

Evergreen hedges and hardy phlox. Adolf Mullett, Norristown, Pa.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Palms, Kentias Belmoreana and Forsteriana, 4-in. to 10-in., \$4.50 per doz. to \$15 each. Cocon Weddelliana, 2½-in., \$15 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Phoenix Canariensis, fine large plants, \$7.50 to \$35 each. Julius Roebers Co., Rutherford, N. J.

Palms of all kinds. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms, C. C. Pollworth Co., Milwaukee, Wis.

PANDANUS.

Pandanus Veitchii, 6-in., \$1; 6-in., \$1.50; 7-in., \$2; 8-in., \$2.50; 8-in. tubs, \$3. Vaughan's Seed Store, Chicago and New York.

Pandanus Veitchii, 6-in., \$1 to \$1.50 each; 7-in., \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus Veitchii, 6-in., \$1 each. Jos. H. Cunningham, Delaware, O.

PANSIES.

Pansies, Romeo Prize Winners, bud and bloom, \$1.25 per 100; \$10 per 1,000. C. Humfeld, Clay Center, Kans.

PEONIES.**PEONIES.****"PEONIES FOR PLEASURE."**

This book of "Peonies for Pleasure" gives information on peony history, soil and plants to use; how and when to plant; fertilizers and how to apply; and describes the most extensive planting of really valuable peonies ever gathered together under the sun; describes the old and new as well as plebeian and aristocrat of the peony family. If you want information on the plant that stands next to the rose in beauty, that is practically known to the amateurs simply as a red, white and pink peony, then send for "Peonies for Pleasure." We also issue a special wholesale price list of peonies for fall sales, 1913. Send for both of the booklets. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & RESE CO..

The Largest Rose Growers in the World. Box 18. Springfield, Ohio.

Peonies, the best sorts in heavy supply. C. Betscher, Canal Dover, O.

PEPPERS.

Christmas peppers, New Cluster, branching new Cluster, Celestial peppers and Solanum Melvini, 2½-in. pots, \$3 per 100; \$25 per 1,000, 500 or more at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

Cluster peppers, 2½-in., \$3 per 100. Celestial peppers, 2½-in., \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

PRIMULAS.

Primula obconica, 4-in., \$5 per 100; \$45 per 1,000; 2½-in., \$1.50 per 100; \$14 per 1,000. Malacoides, giant baby primrose, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Primula obconica grandiflora, 2½-in., \$3.50 per 100; \$30 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Primula obconica grandiflora, 2½-in., \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Primroses, Chinese, Obconica, babies, \$2 per 100. Jos. H. Cunningham, Delaware, O.

POINSETTIAS.

Poinsettias, \$7 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

ROSES.**CHOICE ROSE PLANTS.**

	Per 100	Per 1,000
Fine 2½-in. stock.		
Richmond	3.50	30.00
Pink Killarney	4.50	40.00
White Killarney	4.50	40.00

VIETOR BROS.

162 North Wabash Ave. Chicago.

ROSE PLANTS, 2½-INCH POTS.

	Per 100	Per 1,000
Pink Killarney	\$3.50	\$30.00
Richmond	3.50	30.00

ONE-YEAR-OLD BENCH PLANTS.

Pink and White Killarney.....\$3.50 \$30.00

GEO. REINBERG,

162 North Wabash Ave. Chicago

Roses, Milady and Mrs. Geo. Sawyer, grafted, \$30 per 100; \$250 per 1,000. Mrs. Chas. Russell, grafted, \$35 per 100; \$300 per 1,000. Mrs. Taft, Mrs. Aaron Ward, Richmond, Killarney, White Killarney, Lady Hillingdon, Radiance, Bon Silene, Bride, Golden Gate, grafted, \$15 per 100; \$120 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

ROSE PLANTS.

	100.	1,000.
Pink Killarney, 2½-in.	\$4.00	\$35.00
Pink Killarney, 3-in.	5.00	45.00
Chatenay, 3-in.	4.00	35.00
Ivory, 3-in.	4.00	35.00

UNITED STATES CUT FLOWER CO.,**ELMIRA, N. Y.**

Pink Killarney, 2½-in. pots, \$30 per 1,000. Lady Hillingdon, 2½-in. pots, \$30 per 1,000. Pink Killarney, 3-in. pots, \$45 per 1,000. Lady Hillingdon, 3-in. pots, \$45 per 1,000. Richmond, 3-in. pots, \$45 per 1,000. Fine stock. Cash with order. L. B. Coddington, Murray Hill, N. J.

Roses, 3-in., 900 Richmond, 500 Maryland, 100 Kaiserin, 300 Carnot, \$6 per 100. 2½-in.: 150 Kaiserin, 50 Carnot, \$5 per 100; 1,000 Hillingdon, \$6 per 100. Erie Floral Co., Erie, Pa.

ROSES, strong, young plants, for growing on. Send for list including Excelsa, new Red Dorothy Perkins, \$4 per 100; \$30 per 1,000. THE CONARD & JONES COMPANY, West Grove, Pa.

Roses, good, clean stock, 3½-in. pots. Pink and White Killarney, Kaiserin, \$6 per 100; \$50 per 1,000. Killarney Queen, \$12 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses, White Killarney, Pink Killarney, Richmond, Lady Hillingdon, Killarney Queen. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y. Seeds, peas and beans. John H. Allen Seed Co., Sheboygan, Wis.

Roses, grafted, White and Pink Killarney, 3½-in., \$10 per 100. 2,000 Beauties, own root, 3½-in. pots, \$10 per 100. Bassett & Washburn, Hinsdale, Ill.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Chas. H. Totty, Madison, N. J.

Roses, 3-in. stock, fine plants, at \$6 per 100; Richmond, Radiance, Perle, Ward and Maryland. HENRY SMITH, Grand Rapids, Mich.

Crimson Ramblers, 5 and 6-inch pots, 3-foot canes, \$25 per 100. Charles Lenker, Freeport, L. I., N. Y.

Roses. J. L. Dillon, Bloomsburg, Pa.

SALVIAS.

Salvia Splendens and Bonfire, 60c per 100; \$5 per 1,000. Dracena Indivisa, 2-in., \$2 per 100. Geraniums, 2-in., \$1.85 per 100. Cobea Scandens, 2-in., \$3 per 100. Marguerite, Mrs. F. Sander, 2-in., \$2 per 100. Double Alyssum, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

Salvia, Schenley, Ball of Fire, Bonfire, King of the Carpets, Splendens, Zurich, 2½-in., \$2.50 per 100; \$20 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

SEEDS.

Asparagus plumosus nanus seed.—To close out large, late matured crop. Under 25,000 at \$1.25 per 1,000, over 25,000 at \$1 per 1,000. First-class in every respect. Drake Point Greenhouses, Yalaha, Fla.

Seeds, superb quality seeds for florists. The Storrs & Harrison Co., Painesville, O.

Seeds, new crop turnip now ready. Robert Buist Company, Philadelphia, Pa.

SMILAX.

Smilax, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$5.50 per 100; \$50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$2 per 100; \$17.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Smilax, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

SNAPDRAGONS.

Snapdragons, Ramburg's famous silver pink, rooted cuttings, \$2 per 100; extra strong, 2½-in., \$3.50 per 100. Addams, Morgan & Co., Paxton, Ill.

UMBRELLA PLANTS.

Umbrella plants, ready to shift, 2½-inch, \$3 per 100. Poehlmann Bros. Co., Plant Department, Morton Grove, Ill.

VEGETABLE PLANTS.

300,000 short, well rooted Red Bermuda, Southern Queen, Yellow Jersey sweet potato plants, \$1.50 per 1,000. All cabbage, \$1 per 1,000. Short, stocky tomato, \$1.50 per 1,000. Cash. Mrs. Edw. Hayden, Greenview, Ill.

Celery plants (Golden Self-Blanching French Strain), fine plants, \$2 per 1,000. Cash. Brill Celery Gardens, Kalamazoo, Mich.

For Sale.—Strong pieplant divisions, Linnæus and Victoria, \$4 per 100; \$25 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VERBENAS.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca Var., 2-in., \$2 per 100; \$18 per 1,000; 3-in., \$5 per 100. C. Humfeld, Clay Center, Kans.

Vinca Variegata, 4-in. pots, \$12 per 100. Charles Lenker, Freeport, L. I., N. Y.

Vinca variegata, grown in 3½ and 4-in. pots, \$10 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. J.

Vinca vines, fine strong 4½-in., 15c. J. W. Nieson, 304 E. 47th St., Chicago.

VIOLETS.

50,000 Marie Louise Double Violet plants; these are well rooted in sand at \$15 per 1,000; 20,000 in 2½-inch pots at \$20 per 1,000. J. Vonder Linden, Rhinebeck, N. Y.

CARNATION STAPLES.**SUPERIOR CARNATION STAPLES.**

Mend your split carnations. Finest article for carnation growers introduced so far, 50c for 1,000, postage paid.

MICHIGAN CUT-FLOWER EXCHANGE, 38-40 Broadway. Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietrich Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

MISCELLANEOUS.

Lemon Oil Co.'s Standard insecticide, ¼ pt., 25c; pt., 40c; qt., 75c; ½ gal., \$1.25; gal., \$2; 5 gals., \$9; 10 gals., \$17.50. Lemon Oil Co., Dept. T, 420 W. Lexington st., Baltimore, Md.

Clay's Fertilizer. Supplied by the leading nursery and seed firms. Manufactured by Clay & Son, Stratford, London, Eng.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

You need mighty good hose to stand the dragging and tramping of greenhouse use

Here are two brands of hose that are especially fitted for florists' use. Save money and get more satisfactory service by buying

And here it is

Goodrich Hose

Akron Brand

Braided fabric, non-kink construction, in lengths up to 500 feet. Excellent grade of rubber is used in the tube, cover and friction, and particular attention is paid to grade, weight and mesh of the cotton fabric.

Florist Brand

Wrapped duck construction. Practically in a class by itself, with its extra heavy cover, strong duck and superior friction. It is a popular hose and as its name indicates, particularly adapted for the use of florists.

We will gladly send you sample of either or both of these brands of hose with full particulars

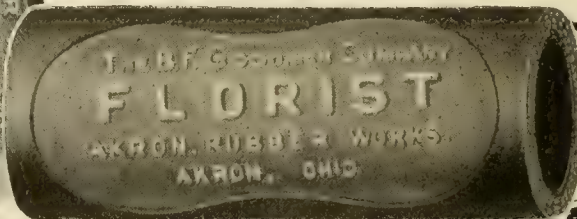
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Makers of Goodrich Tires, and Everything That's Best in Rubber.

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There is nothing in Goodrich Advertising that isn't in Goodrich Goods



Flower baskets, jardinières, hanging baskets, porch willow boxes, vases, novelties, etc. Aug. Storz, Burlington, Iowa.

Raffia, imported by us direct from Madagascar. Vaughan's Seed Store, Chicago and New York.

Fertilene. Elmer D. Smith & Co., Adrian, Mich.

PRINTING.

Special Florists' Printing. Sample free. Oscar Fink, Pottstown, Pa.

STAKES.

Cane stakes, Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

WHOLESALE CUT FLOWERS.

Amling Co., E. C. Chicago.
Angermueller, Geo. H., St. Louis, Mo.
Bassett & Washburn, Chicago.
Batavia Greenhouse Co., Chicago.
Berger Bros., Philadelphia, Pa.
Berning, H. G., St. Louis, Mo.
Budlong, J. A., Chicago.
Chicago Carnation Co., Chicago.
Chicago Flower Growers' Ass'n., Chicago.
Critchell, C. E., Cincinnati, O.
Deamud, Co., J. B., Chicago.
Froment, H. E., New York.
Guttman Flower Growers Co., New York.
Hoerber Bros., Chicago.
Hoffmeister Floral Co., Cincinnati, O.
Holton & Hunkel Co., Milwaukee, Wis.
Kesting Co., Wm. F., Buffalo, N. Y.
Kennicott Bros. Co., Chicago.
Kessler, Wm. A. New York.
Kruchten, John, Chicago.
Kuehn, C. A., St. Louis, Mo.
Kyle & Foerster, Chicago.
McCallum Co., Pittsburg, Pa., and Cleveland, O.
McCullough's Sons Co., J. M., Cincinnati, O.
McKellar, Chas. W., Chicago.
Meconi, Paul, New York.
Moore, Hentz & Nash, New York.
N. Y. Cut Flower Exchange, New York.
Niessen Co., The Leo, Philadelphia, Pa.
Ostertag Bros., St. Louis.
Randall Co., A. L., Chicago.
Reinberg, Geo., Chicago.
Reinberg, Peter, Chicago.
Rice Bros., Minneapolis, Minn.
Rusch & Co., Gust, Milwaukee, Wis.
Pennock-Meehan Co., S. S., Philadelphia.
Percy Jones, Chicago.
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Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. PRICE, \$1.50.

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By the same author. Covers the subject completely. 382 pages. PRICE, \$1.50.

AMERICAN FLORIST CO.,

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BUCHBINDER FLORISTS' REFRIGERATORS

Write to Dept. C3 for Catalog.

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MANUFACTURERS

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Split Carnations

Easily Mended with

Pillsbury Carnation Staple

We find it very satisfactory.

J. L. DILLON.

Can't get along without them.

J. L. JOHNSON.

2000 for \$1.00 postpaid.

I. L. PILLSBURY

Galesburg, Ill.

GREENHOUSES:

MATERIAL FURNISHED

AND

MEN TO SUPERINTEND

ERECTION IF DESIRED.

CYPRESS SASH BARS

ANY LENGTH UP TO 32 FEET OR LONGER.

THE J. L. STORNS LUMBER CO.,

NEWBURY, BOSTON, MASS.



How the Greenhouse Won.

A True Fact Story.

DR. TUTTLE owned several hundred acres in New Jersey. He liked the country best. His wife had a leaning toward the city for the winter months.

She cheerfully agreed to live at their country place the year round, provided a thoroughly up-to-date greenhouse was added to the "band-made" one they already had.

Here are the two greenhouses. Everybody is happy. No place these days is complete without its greenhouse; that's a sure thing. Your place ought to be complete. Send for catalog.

Hitchings and Company

New York Office,
1170 Broadway.

Philadelphia Office,
Penna. Bldg., 15th & Chestnut Sts.
Factory, Elizabeth, N. J.

The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

New Glass Cutter.



The Red Devil Tools Factory, manufacturers of Red Devil Glaziers' Tools, have brought out a new and improved self-oiling glass cutter with turret head, as per figure herewith. The oiling device shown in this little tool is behind the six wheels. Unlike other glass cutters of this type a very hard tempered pinion is used in the making of this new cutter which can be adjusted to use either one, two, three, four, five, six thereby getting the full benefit of the service of all wheels. The frame is so designed that it protects the wheels and prevents them from coming in contact with moisture. The manufacturers have adopted the scientific handle, which is universally used in their glass cutters.

Kroeschell's New Boiler.

The Kroeschell Bros. Co., Chicago, has placed on the market something new and efficient in the form of a high pressure combination water tube and fire tube boiler for greenhouses. The construction of this boiler combines the best features of the horizontal tubular boiler and great efficiency of the water tube boiler, and with this combination the manufacturers have

secured the highest possible boiler efficiency known today in boiler construction. It is a return tubular boiler to which are attached two headers or water legs with three or four rows of water tubes according to size. Hollow stay bolts and individual hand hole plates make inspection easy and keeps clean automatically. The construction of the front connection causing the water to flow with high velocity over and under a flume near the bottom of the shell, and extending two-thirds the length of the boiler, prevents deposit of scale forming material on the shell and tubes, causing it to be carried back into a sediment chamber, where it can be blown out through a blowoff cock, this giving positive circulation and efficiency equal to any water tube boiler and high overload capacity. The furnace baffling is so arranged that the hot gases of combustion pass around the water tubes and under the shell of the boiler, and returning through the fire tubes, pass out of the smoke box at rear, removing the lower half of the shell

Pecky Cypress

We are SPECIALISTS

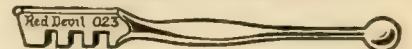
in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.
L.D. Phones: Lincoln 410 and 411

WITH THIS "RED DEVIL"



Ballhead Glass Cutter, you can cut any kind of glass for your greenhouse. Its just one of 40 "Red Devil" glass cutters we make and good hardware dealers sell. If you are not using "Red Devil" glass cutters in your greenhouse, you want to begin **Now**. Send us Five 2c stamps for One only sample. A sample will demonstrate glass cutting facts.

SMITH & HEMENWAY CO., 501 Chambers St., New York.

Mention the American Florist when writing

"ELASTIC-LYKE"

THAT GOOD PUTTY

(Semi-Liquid). Positively will not get hard; will not run in hot weather; will not heave in cold weather. Write for prices.

The Elastic-Lyke Co.,

(Not Inc.)

30 E. Randolph St.,

CHICAGO

Mention the American Florist when writing

Aphine

The Insecticide that kills plant Lice of every species

The Recognized Standard Insecticide.

For green, black, white fly, red spider, thrips, mealy bug and scale.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

For mildew, rust and bench fungi. Does not stain but cleanses the foliage.

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For sterilizing soil and all soil vermin.

\$1.00 per Quart. \$3.00 per Gallon.

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For scale and all sap sucking insects on trees and nursery stock. Can be used in growing season as safely as in dormant season.

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Twelve percent Nicotine

SPRAY AND FUMIGANT

\$1.25 per Quart. \$4.00 per Gallon.

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Manufacturers of Agricultural Chemicals.
Madison, N. J.
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from the impinging heat of the fire. It also prevents unequal expansion and contraction between the tubes and the shell, absolutely avoiding leaky tubes. This new steam boiler can be built in units ranging from 100 h. p. to 350 h. p.

MILWAUKEE, WIS.—At a recent meeting of the state fair board \$10,450 was appropriated for advertising this year's fair. An elaborate flower show will probably be a feature, 2,000 square feet of space being asked for this purpose.

NEW ORLEANS, LA.—What is thought will fill a long felt want in the family and hotel trade here is the success of the culture of a grape, after several experiments, by C. W. Eichling, president of the Avenue Floral Co., which is doubtless one of the earliest maturing grapes in existence.

CLEVELAND, O.—A fund of \$5,000 left to the city in 1891 by Mary A. Warner, which has accumulated interest and reached the amount of \$11,000, will now be used to erect a one-story exhibition gallery in conjunction with the horticultural group in Wade Park, according to City Forester John Boddy. This building will be used for display of floral exhibits, which was referred to by Mayor Baker at the opening of the last exhibit.

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SIZE 2 POINT

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Price, per 1000, 55c; by mail, 70c; 5,000, by express, \$2.50.
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Wired Toothpicks

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Guaranteed under the Insecticide Act, 1910
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Save your plants and trees. Just the thing for Greenhouse and Outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrips, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our Standard Insecticide will prevent ravages on your crops by insects. Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals—relieves mange. Effective where others fail. For sale by Seedsmen and Florists' Supply Houses. If you cannot obtain this from your Supply House, write us direct.

$\frac{1}{2}$ Pint - 25c; Pint - 40c; Quart - 75c
 $\frac{1}{2}$ Gallon, \$1.25; Gallon, - \$2.00; 5 Gallon Can, - \$9.00
10 Gallon Can, - \$17.50

Dilute with water 30 to 50 parts.

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black ones too*
are easy to kill with
The fumigating kind Tobacco Powder
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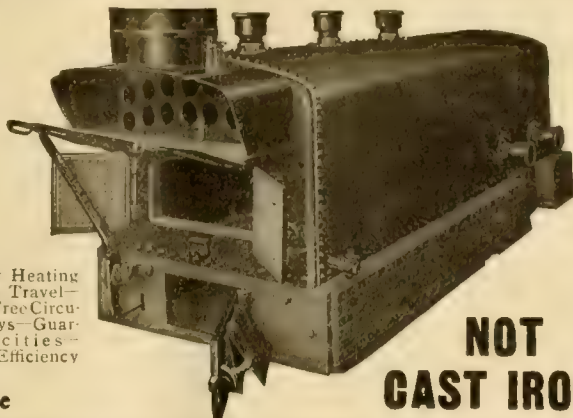
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Cast Iron Boilers Crack

I want to thank you for your promptness in shipping the boiler I ordered of you on January 13th. I had a breakdown; one of a battery of two cast iron boilers cracked so it was impossible to use same, so I got you on the telephone at 8:30 a. m., January 13th, and ordered one of your hot water boilers. Same was put in my boiler room in the afternoon of January 15th, after which we built foundation and connected up. Since that time the boiler has taken care of same glass as the two cast iron boilers had done, easier and better in every way.

[Signed] ANDREW BATHER.

Feb. 26, 1913.

Clinton, Iowa.

Kroeschell Bros.,
 452 W. Erie St., CHICAGO

Lancaster County Florists' Club.

June 19 was perennial flower day with the club, and the exhibition table was filled with flowers.

H. D. Rohrer exhibited in their usual high quality the following stock: hydrangeas, delphiniums, campanulas and four of the Rambler roses.

A. M. Herr—a vase of assorted Japanese iris.

B. F. Barr—delphinium, gaillardia and tamarix.

Fred. Spinner—a vase of mixed perennials.

J. P. Siebold—a vase of silver pink snapdragon of exceptional quality for outdoor-grown stock.

Rudolph Nagle exhibited pot plants of Scarlet Bedder, S. A. Nutt, Poitevine and Ricard geraniums.

The H. F. Michell Co., of Philadelphia, exhibited a fine lot of their new geranium Helen Michell, which was well received, and their representative was given the floor to expound its merits, which he did to perfection.

The Voltax Paint Co., of Chestnut Hill, through their representative, Thomas Langan, gave a very interesting and instructive talk on paints and painting. These talks are good things for the club, as there is always something to be learned from them, and knowledge never comes amiss.

Our treasurer, Harry Rohrer, then gave a talk on "Hardy Flowers for Memorial Day," giving peonies first place, naming the best for this date as follows: Officialis, Rubra Superba, Festiva Maxima, Eula Superba, Rubra Triumphant and Agida. In German iris, which are good Memorial day flowers, he named Pallida Dalmatica, Heavenly Blue and Silver King. Poppies and columbines were named, and if cut and handled at the proper time they make excellent stock. Pyrethrums and delphiniums, dianthus barbatus and gaillardia all make fine stock for Memorial day if properly grown. Campanula potted in the fall into 6-inch pots, kept in a cold frame and brought along slowly, can be had in full crop for Memorial day and make a very profitable flower. This was followed by a general discussion on hardy perennials.

Under the head of "good of the club" the appeal for funds for the Smith Memorial was brought up and a unanimous vote in favor of a small assessment from each member for this purpose was carried.

The club picnic will be held at Hershey, Pa., Tuesday, July 15, leaving Lancaster about 7:30 a. m., getting back about 9 p. m. Any florist who

**It's a
 King**
 Improved Flat Rafter Iron Frame
GREENHOUSE
 With 5/8-inch instead of 1/2-inch
 Rafters so we can reduce the depth
 from 3 1/2 and 4 inches to 3 inches.
*Every Bit of Sunlight Means
 Money to You.*
 Send for Bulletin No.
 46 and be convinced.
KING CONSTRUCTION CO.,
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All the Sunlight All Day Houses

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For sale by Wholesale Seedsmen, Florists
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Price, \$1.00 per dozen by express. Sample
 dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Ia.

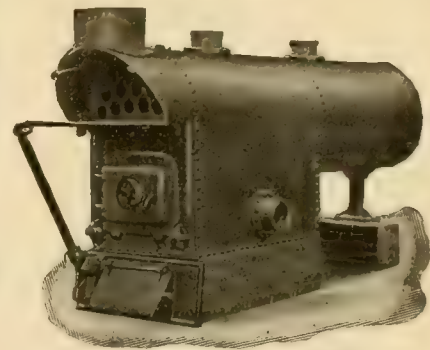
happens this way is welcome, and will have the time of his life. Florists from surrounding towns should meet the train when it arrives at Hershey

No Loss of Heat or Fuel

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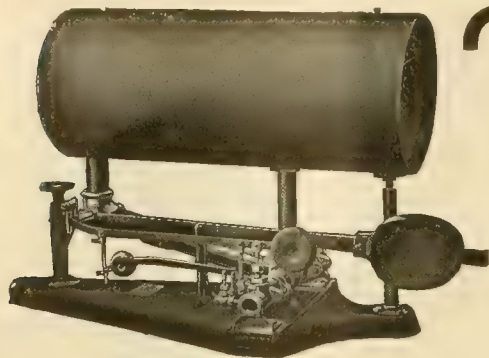
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 Drive easy and true, because
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 The Peerless Glazing Point
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 Samples free.
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 No 2**

and get in with the Lancaster bunch to have the full benefit of our special affairs.

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Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of
place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

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We offer 50,000 feet of 4-inch boiler tubes, per foot 7½c.

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Low prices on Hot Bed Sash, Heating Boiler, Radiation, Valves, Fittings, Glass, Cypress Lumber and Supplies of every kind.

Write for our Special Greenhouse Catalog.

Chicago House Wrecking Co.

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A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

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GIBLIN & CO., Utica, N. Y.

A. HERRMANN,

Cape Flowers, all colors, Cypas
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404-412 East 34th St., NEW YORK.

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If you don't BULB your greenhouses with

Hooker's Old English Liquid Putty

Made as good as possible and sold as low as possible

QUALITY GREENHOUSE GLASS

You will save money if you obtain our prices before you buy

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

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WHOLESALE GLASS, PAINTS AND PUTTY

Long Distance Phone 651-659 West Washington Boulevard, Chicago
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Mention the American Florist when writing

GLASS

We are leaders. Large stock, good prices.

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DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade

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PRINTING

Letterheads, Envelopes, Billheads, Statements
Cards and Special Shipping Labels,
also Seed Envelopes.
Plate Making and Color Work.

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542 S. Dearborn St., CHICAGO

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WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

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Most Perfect White Paint Made.

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20 State Street, Erie, Pa.

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Superior Quality
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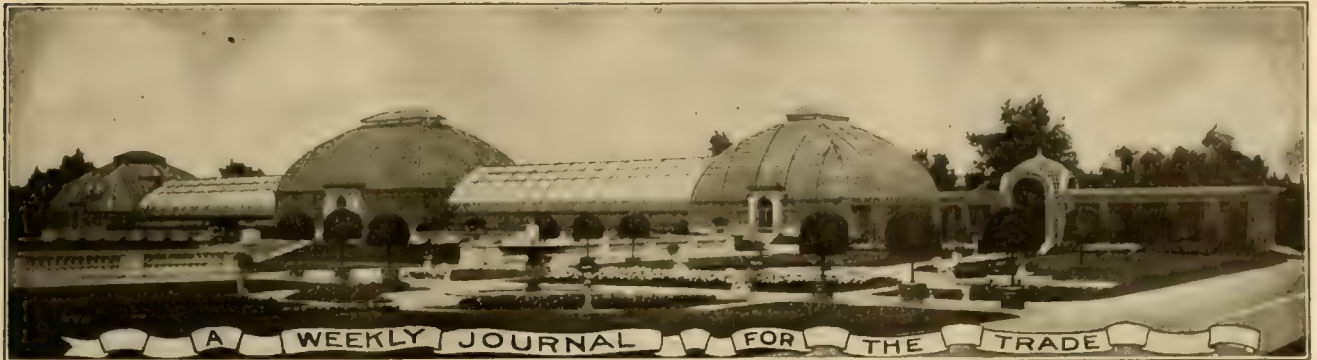
Let Us Quote You. We Can Save You Money

Baur Window Glass Co., EATON, IND.

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The Early Advertisement Gets There

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XL

CHICAGO AND NEW YORK, JULY 12, 1913.

No. 1310

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address; Ameflo, Chicago.
Subscription, United States and Mexico, \$1.00 a
year; Canada, \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August 3, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—J. K. M. L. FARQUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
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Twenty eighth Street, New York, Secretary; WM.
F. KASTING, Buffalo, N. Y., Treasurer. Next
annual convention and trade exhibition at Minn-
neapolis, Minn., August 19-22, 1913.

AMERICAN SWEET PEA SOCIETY.

Annual convention and exhibition at Boston,
Mass., July 12-13, 1913. WILLIAM SIM, Cliftondale,
Mass., President; HARRY A. BUNYARD, 342 W.
Fourteenth street, New York, Secretary.

ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twenty-seventh annual convention to be held
at Buffalo, N. Y. September 17-19, 1913. H. M.
TURNER, St. Paul, Minn., President; BELLETT
LAWSON, JR., River Grove, Ill., Sec'y-Treasurer.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Next annual meeting Denver, Colo., August
25-27, 1913. JAMES B. SHEA, Boston, Mass., Presi-
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AMERICAN GLADIOLUS SOCIETY.

Next annual meeting and exhibition at Minn-
neapolis, Minn., August 19-22, 1913. I. S. HEN-
DRICKSON, Floral Park, N. Y., President; L. MER-
TON GAGE, South Natick, Mass., Sec'y.

RAILWAY GARDENING ASSOCIATION.

Seventh annual convention, Nashville, Tenn.,
August 12-15, 1913. C. H. TRITSCHLER Nashville,
Tenn., President; W. F. HUTCHINSON, Sewickley,
Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at Chicago,
November, 1913. CHARLES H. TOTTY, Madi-
son, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Delphiniums.

This perennial has become quite a popular cut flower for summer use and is very decorative and showy. Those that have a stock can increase the plants of the better varieties by propagation at this time. When the plants bloom those that produce the best spikes and are of the best colors should be marked. After the blooms are cut the small growths that break from the stem are very easily rooted. Prepare a bed in a shaded frame and insert the cuttings, watering heavily when first put in. They will need frequent syringing during the hot weather and will root in three to four weeks, when they can be either potted or planted in a frame where they can be given attention. As soon as well established they can be planted in their permanent location, but should be given a little protection during the first winter by throwing a little old straw or some such material over them.

Pansies.

For winter blooming the seed of pansies should be sown early. Procure a strain of seed that will produce large flowers, and unless they are to be grown in considerable quantities mixed colors are to be preferred. To obtain plants enough for winter blooming it will be better to plant the seed in flats and place them in a cool shady location in the house, where they are much more easily cared for than out in the open. If such a location is not to be had they can be sown in a cold frame and a sash that is quite heavily shaded placed over them until the plants begin to grow. As soon as large enough they should be planted in a cold frame until the bench is made ready, about the middle of September, in the house. The soil for winter growing should be good, and of the richest, in order to obtain large flowers, and the house in which they are planted should be maintained at a cool temperature, about 45 degrees at night after settled fall and winter weather commences. Pansies are not, as a rule, troubled much with insect pests, but sometimes in the fall in the houses they are attacked by green fly and

they are quickly checked in their growth if the aphids gets a good hold upon them. A careful watch should be maintained and if they are found to be infested with aphids constant spraying with nicotine solutions will keep the insects down.

Roman Hyacinths.

The first bulbs to arrive will be the Roman hyacinths, and everything should be in readiness to properly care for them as soon as received. When the cases arrive the bulbs should be placed in a cool, dry place; if packed in bags they should be spread out either in flats or shallow boxes and placed where they will neither be too moist or yet in too dry and warm a location. While it is too early to plant for the winter blooming, still a succession of plantings may be made every week until cool weather, when the balance can be planted up. Almost any soil will grow bulbs successfully, but fine results are obtained with soil that has been thrown out from the carnation or rose benches and has laid out over winter to allow it to sweeten a little. When a fall pot plant is wanted a few of the hyacinth bulbs can be planted in bulb pots, but in growing for cut flowers flats are to be preferred, for they are much more economically handled and do not require as much care. In planting the bulbs cover the bottom of the flats with about an inch of soil, placing the bulbs on this quite closely together, yet not touching, as can be done with other bulbs. The flat should then be filled with soil, which should be packed between the bulbs with the ends of the fingers. They should then be given a good watering, enough to wet the soil all the way through and settle it around the bulb. The flats should be placed outside and covered to the depth of about three inches with sand or coal ashes or something that will lie close enough to prevent drying out. A label should be placed at the end with the date of planting, so that the several plantings will be kept separate and can be readily moved into the houses. In four to six weeks they should be well enough rooted to bring

them into the house, where they can be placed under a bench until they begin to throw up their flowering spikes.

Office Housecleaning.

Nearly all growing establishments at the present day have what is termed the office, and during the busy season, in many places, but little attention is given to keep it in a tidy condition. Now is the time, after the carnations are housed and before the fall work commences, to have a thorough cleaning up of the office and workroom and get them in readiness for the coming season. Get all the papers filed away in proper shape and fix up all accounts as far as possible, and thereby get rid of much of the worry and trouble. Clean up the workroom and give it a clean coat of paint, and straighten out the supplies. If the stock of baskets has grown dirty get a little gold paint and give them a coat of this, which will certainly make them more attractive than the dingy supplies too often seen hanging on the walls or standing around. The florist too seldom appreciates how the customer likes to trade in a clean, up-to-date place, and often endeavors to excuse the dirty appearance by remarking: "It is impossible where so much dirt is handled to keep the place clean." Such a one is only fooling himself. The present-day customers, of whom many are ladies, know better; they see other places that are kept neat and clean, and they cannot be imposed upon with such tales. Now is the time to get everything ship-shape for the fall and winter trade.

Asparagus Baskets.

There is always a good call for hanging baskets of *Asparagus Sprengeri* and there is nothing more decorative in a store or greenhouse than these beautiful baskets when well put up and when they are growing nicely. The young 3-inch stock will make nice basket work. The wire basket frame should be of good size, eight inches in diameter at least. Line the outside with green sheet moss, which makes a much better appearance than sphagnum, and then fill with good rich soil and plant the young plants in this. The basket, after planting, should be placed in a warm, moist house to encourage rapid growth; a house with a temperature such as palms are grown in is about right. They should be frequently syringed, and as soon as the long fronds have made a good growth they can be removed to lighter and cooler quarters.

Anemone Japonica.

One of the most useful perennials for the fall is the *Anemone Japonica*. It blooms at a time when flowers are very scarce, and if planted where it can be protected from the early frosts will produce quantities of bloom that can be made of use in all classes of floral work. The successful blooming of this plant depends much upon its summer culture. If the season is dry it will require constant watering, in fact, a good soaking. It is a good plan to place the hose in a bed of this and let the water run until the ground is thoroughly wet, and do this as often as may be required. It will amply repay in the long, strong shoots that will be produced in the fall full of blooms. The florist not possessing a good stock of this beautiful perennial should procure some of it and plant a bed for fall cutting.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Early Closing.

ED. AMERICAN FLORIST:

I notice occasionally in the trade papers items or comments on closing hours for the florists' stores, and note that most of these handle the subject as if its possibility were still an unsettled and debatable question. Of course, when it comes to a vacation for the individual florist, that question must be settled by each one individually and would be governed by individual conditions. But when it comes to closing the place of business at reasonable hours, there, I think, the individual has a duty to his fellow florists which should not be settled altogether by personal inclination. The question of closing the flower shops in any given town or community would be naturally one of harmonious action among those concerned. Generally speaking there is little reason why the florists' shops may not observe the usual closing hours of the majority of the other business houses of the town. In our town of 65,000 most of the stores close at 6 o'clock or 6:30 p. m. The florists aim to close at 6 o'clock, although the straggling "going home" trade often holds one open until 6:30 o'clock before the store can be closed. Other business houses, except refreshment stands, drug stores, etc., being closed, the people cannot call us unreasonable for closing at seasonable hours. Saturday nights all the stores remain open till 10:30 p. m.

I think that if the florists will assume the dignity of a real mercantile

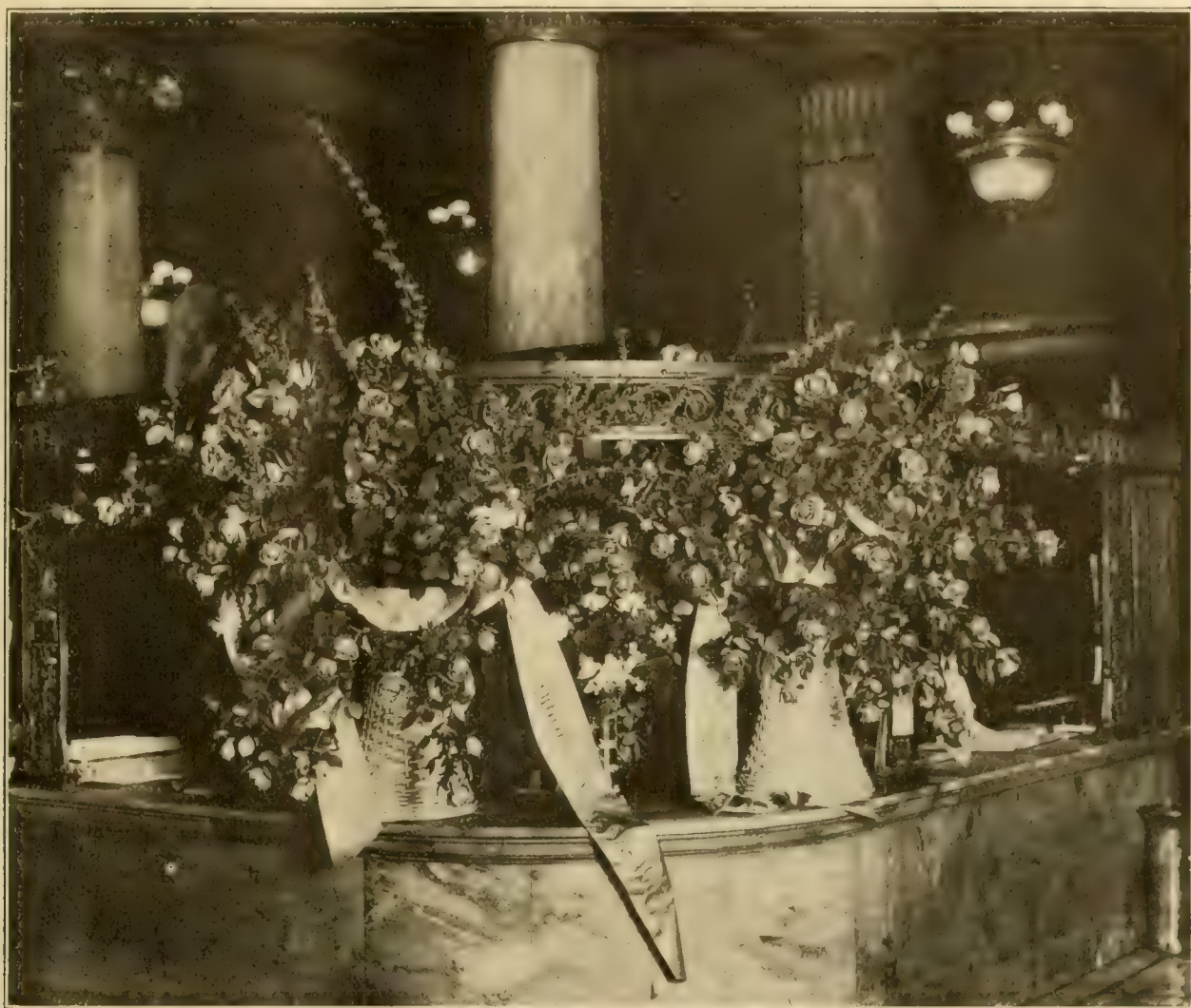
and business house, following rules similar to those of other business houses in their town, they will have the respect of the community, and will do as much business, and with less expense. I also believe it will give their business an added dignity and standing in the community. The impression will certainly be for the good, when the trade adopts the rules governing other successful business houses, putting on a dignified business front toward the public, thereby proclaiming that it is conducted along business lines and expects to win in that way, and that the public can expect businesslike treatment.

How long has it been since the florist grew all he sold, and sold whatever he grew at the greenhouses? There seemed to be no market values and the price paid by the customer was often a matter of bargaining, and often finally rested with how little the florist would take, or how badly he needed the money or how much the buyer was willing to give. Under those conditions it was any day, any time of day was a good time to get the money if you had a possible buyer. Under such a system few florists were more than growers, and few made more than barely a living from their long hours and hard work. Nowadays it is different. The manager of a florist's business must be a business man, and, of course, should know the florist's business, but he can hire his grower, and if need be, his store clerks. He, therefore, is justified in conducting his business along lines recognized and accepted as reasonable, by other mercantile establishments in the same community. We hear of progressive florists, yet, in how many communities does the old system still prevail, with



BASKET OF FOLIAGE PLANTS.

By H. Skjoldager, Gardener to C. G. Uihlein, Chicago.



WALDORF-ASTORIA TWENTIETH ANNIVERSARY DECORATIONS.

Baskets of American Beauty Roses Arranged by J. H. Small & Sons, New York, March 2, in Commemoration of Opening of Hotel in 1893.

no reason in the world except that the flower business always has been heretofore at the beckon and call of anybody at any time?

The florists' profession, or business, I guess it is a mixture of both, is a respectable one, dealing with the best class of people in a community, and certainly is entitled to all the dignity it is likely to put on, for a while at least, until it can be gotten out of the class with the fruit stands, peanut stands, and similar joints, which are open seven days in the week and late into the night, in the apparent frantic effort to catch the very last penny possible, and without which penny the impression is thereby given that their very existence would be threatened.

As to Sunday closing, the same points will apply. In our town, Sunday funerals are a rare exception, and this simplifies the question very much. If we have unavoidable funeral work, either shipping or local, to do, it is done behind closed doors, and about the only way the public can get us is by phone, and they have to have a pretty good case or the order goes over until Monday morning, positively nothing but funeral work will get attention at all. If the florists, who have been at the beck and call of their trade day and night and Sunday, will try this for

a while, they will find as much money, more time, better tempered employes, and so much better enjoyment of life, that they will stand for the kicks of the dear unthinking public until it gets used to it, and then the worst will be over. Try it.

W. C.

Maggots Destroying Geraniums.

ED. AMERICAN FLORIST:—

Enclosed find samples of geranium cuttings eaten through by some pest, apparently the maggot worm. Please let us know what remedy to use, as the soil is full of these pests. E. Long Island.

The trouble is caused by a maggot working up through the stems. The same insect is sometimes found on tomatoes and chrysanthemums. Its manner of working makes it hard to get at, and the only remedy I know of is to cut off the affected branches, use fresh soil, and fumigate with tobacco extracts regularly and at the most favorable opportunities to keep down the moths.

C. W. JOHNSON.

TACOMA, WASH. — The Puyallup rose show, which closed June 28, was attended by hundreds of residents of Puyallup and the surrounding towns.

CHRYSANTHEMUMS

Exhibition Stock.

The stock being grown for exhibition cut blooms should be given close attention from this time on. Now that the summer season has set in, the trying period for this class of plants is before us. Stock to be grown in 7- or 8-inch pots ought now to be in their final pots. If this has not already been attended to it should be given attention right away. These plants are greatly benefited by a period of six weeks to two months outdoors, but do not put them out until the roots are well hold of the soil, so that they will stand the heavy thunder showers.

They should be properly staked before going out, to guard against damage by winds. There is one great drawback against putting chrysanthemum plants outdoors in many sections and that is the thrips and tarnish bug will attack the shoots and check the growth unless a persistent fight is kept up by continued spraying with nicotine preparations to keep them down. Another important feature in the care of these plants during the time they are outside is that

of watering. They should never be allowed to suffer for want of water, but on the other hand, it is equally detrimental for them to be over-watered. To allow for the fullest development of chrysanthemum plants the soil must be kept fresh and sweet at all times. When the foliage begins to turn yellow some of the roots

as is advised for the plants growing outdoors. There is one thing that is very important in growing this fancy stock and that is to get the soil in the benches well firmed down, because if it is light and spongy the plants will draw out too much and make more rapid growth than is good for them. The specimen bush and standard

the watering directly after potting or the soil will become sour before the roots can get hold of it.

The topping back of the shoots is a very important item with these plants. The more breaks that can be induced to push out the larger will be the specimen. It is also time to begin to support any of the branches that are getting large. Pay close attention to the spraying for insects to keep them in check. The pompon and single varieties for pot culture also claim our attention at present. The pompons can be grown in pots outdoors. They should be potted along as they require it, then set out in frames, and the same close attention should be given as is advised for the exhibition cut bloom stock.

C. W. JOHNSON.

Blue Hydrangeas.

If we may judge from the number of inquiries which we receive on the subject, the production of blue flowers in rose-pink races of hortensia (*Hydrangea hortensis*) exercises a peculiar fascination on the minds of gardeners. Scientifically also the subject is one of great interest, albeit that our knowledge of the cause of the production of the blue color is slender in the extreme. On the practical side also not much more certainty exists, says the London Gardeners' Chronicle. For though it is generally known that by watering plants with solutions of iron salts, such, for example, as iron alum, the pink races may be induced to bear blue flowers, many people who have tried the experiment have done so without success. The most they have achieved perhaps is the production of a drab violet, which is far from satisfying their hopeful expectation.

It may be useful, therefore, to set down such facts as we know, some from our own experience and some from the experience of others, on the means to be employed for the conversion of pink into blue shades. In the



YORK GALA, ONE OF ENGLAND'S GREATEST PROVINCIAL SHOWS, JUNE 18-20, 1913.
Peonies Exhibited by R. H. Bath Ltd., Wisbech.

have "gone bad," and though they may be brought around again and no serious damage result, yet at the same time the plants have received a check. Keep the surface of the soil open by frequent scratching, but do not go deep enough to cut the roots.

The pinching out of the side shoots is another part of the work connected with these plants that keeps the grower busy right along. It is also necessary to use caution in doing this, as many varieties will continually throw a bud shoot which if left will develop a bud instead of a growth. The safest plan is to allow two shoots to remain for a few days to see which is the most promising for growth. The other one can then be removed. Another thing that we have to contend with when the plants are given a season outdoors is the earthworm, which will work up through the hole in the bottom of the pots, especially if the pots are plunged. It used to be our custom to plunge the pots when setting them out with the object of keeping the roots cool but we have found of late years that better results can be obtained if the pots are not plunged but are set on a firm foundation.

The plants growing on the benches inside for exhibition cut blooms will also need continued attention right along now. The surface of the beds should be scratched over every few days and see to it that the plants are properly supported before the stems become crooked, and the same attention should be given these plants as regards pinching out the side shoots

plants will also claim the grower's time and attention very much at this time. This class of plants ought now to be in shape to receive their final potting, using a live rich soil and potting firmly. Be very cautious with



YORK GALA, ONE OF ENGLAND'S GREATEST PROVINCIAL SHOWS, JUNE 18-20, 1913.
Hardy Flowers Exhibited by Harkness & Sons, Bedale.



NEW YORK FLORISTS' CLUB OUTING, WITZEL'S POINT GROVE, JULY 1.

first place we may lay down the proposition that any treatment to be effective must be begun long before the flowering period; for the change of color is the result of no mere chemical action, such, for example, as that which occurs when red litmus paper, dipped into an alkaline solution, turns blue. It is probable that—for the change of color to occur—the cellular rudiments of the flower must be bathed in and hence be able to absorb traces of iron salts. Therefore, the gardener who yearns for blue hortensias must set about the work of obtaining them at least a year in advance. In the second place, if the soil be chalky or rich in lime no mere watering with iron salts will suffice, and the gardener must proceed first to make up a suitable compost and to see that the roots of the plant are confined to that compost. For, as is pointed out by Henri Bliss in *Le Petit Jardin* (May 10, 1913), hortensias are always rosy on calcareous soil, whereas they became blue readily and naturally when grown in non-calcareous soils derived from the older formations.

The author just cited recommends the following compost: peat to which is added 2-5th leaf mould and 1-5th sand. To this should be added 10 per cent. of powdered slates, 3 per cent. of sulphate of iron—we ourselves are inclined to recommend a rather larger quantity of iron alum—and 10 per cent. of ammonium sulphate. As stated already, the plants must be prepared and planted properly a year in advance. They should be removed from ordinary soil, their roots well washed, and planted in pots or beds of the compost. If pots are used they must be plunged in the compost so that any roots which grow out from the bottom or top are confined to the compost, and do not find their way into ordinary soil. If they do dirty violet-colored flowers may be produced. Mr. Bliss insists that for the best re-

sults the compost should be very rich in humus and organic matter, well supplied with nitrogen and phosphoric acid and poor in lime and potash. If the compost be of the kind which has been described, these conditions will be well on the way to fulfillment. When watering is necessary, rain water should be given—of course, hard water, rich in lime, will not do—and manure water should be supplied liberally. The plants should be watered twice a week during the growing period with water containing about $\frac{1}{4}$ oz. of sulphate of iron to the gallon. A few old nails or a handful of iron filings may be added with advantage to the compost, though, as need scarcely be pointed out, these sources of iron are useless by themselves. Any gardener who realizes the conditions necessary for this magic will be able to advise for himself yet simpler measures whereby it may be wrought.

[In England it is said the blue hydrangeas sell 25 per cent. higher than others.—ED. A. F.]

Hartford Rose Garden.

VISITED AND ADMIRIED BY MANY.

Could committees of the various florists' clubs of the country have seen the rose garden at Elizabeth park, Hartford, Conn., as it was the last two weeks in June, and marked also how much it was appreciated by the people of the city out of whose population of 100,000 fully 25,000 visited this beauty spot on each of the last two Sundays of June, not to speak of the thousands who admired its beautiful flowers during the week, they would go home filled with such enthusiasm that they would not rest until a rose garden in their own city would be one of its chief points of interest. Hartford is a beautiful city, having many attractions. There are other parks well kept and well worth visiting, monuments that have cost many thousands of dollars, and the elaborate Morgan memo-

rial, but as attractions at this season, when compared to this beautiful display of roses the cost of which, by comparison, is insignificant, they fall far behind, and all eyes are for the garden.

Elizabeth Park contains a trifle over 105 acres. The rose garden proper, although surrounded with a five-acre lawn, occupies but one acre. It is laid out alongside of one of the principal drives, and is square, being about 300 feet each way. The side next to the drive is open. About 100 feet of space in front is decorated with low carpet bedding, the dividing line being designated with a low border of white Polyantha roses. The other three sides are lined with climbing roses tied to a light wire trellis or fence about four feet in height. An irregular border quite extensively filled with a great variety of herbaceous plants separates the garden from the large lawn, which surrounds it on three sides, relieving the square-like effect that would be apparent without it. In the center of the garden is a raised mound six feet in height and about 30 feet in diameter on which stands a rustic summer house or pavilion. Lady Gay and Penzance hybrid roses decorate the lower part of the structure, while the roof is covered with Virginia creeper. From this center, extending to each corner of the plot, is a line of arches about ten feet in width and the same in height, and placed about four feet apart. From the center of each side is also a shorter line of similar arches to the pavilion. All these are planted with Rambler roses, each line a separate color. Dorothy Perkins, white Dorothy Perkins, Crimson Rambler, Pink Rambler, Setigera, and one other out of flower, are the varieties used. The mound around the pavilion is planted with Perkins and other ramblers, a circle at the foot, about two feet in width, is filled with everblooming polyanthas.

A series of beds, four feet in width and ten in length, make another circle, while the balance of the space is plotted in long straight beds, four by ten feet. The spaces or walks between the beds are eight feet.

One of the features of the garden is the green background. There are no gravel walks. All the beds are cut out of the green sod, which has been rolled hard and is kept cut close and, although visited daily at this time by

garden, the varieties being planted in blocks of six, well separated with abundance of light and air. In the planting of this garden, bringing together so many varieties of roses and arranging them with such decorative effects, Theodore Wirth took a great step in advancing the cause of floriculture with the masses. They are attracted by the great wealth of bloom, roses were known to them from childhood, but here they are awakened to

but easy as it appears to be, and with its many years of success, it is the only one in the country. Why are they not found in every large city? It is because the people have not asked for them. Let a few live men, who really are interested and want to see such a garden present the matter to the proper authorities, and help out with some stock, if necessary, and they will soon have something to which they can point with pride.

Alexander Cumming, Jr.

SEE PORTRAIT IN LAST ISSUE, PAGE 1305.

The visitors to Elizabeth park, Hartford, Conn., on June 21, in common with many Hartford citizens, learned with a sense of regret of the resignation of Alex. Cumming, Jr., as head gardener at the park. About September 1 he will go to A. N. Pierson, Inc., Cromwell, Conn., to take charge of their retail plant department. While Mr. Cumming is very highly esteemed by his fellow workers in the park department, who will miss him greatly, it is understood that his new position brings a considerable increase in salary. Mr. Cumming is a native of Scotland and when quite young came to this country, but as to that, he is yet a young man. He went to work at Elizabeth park about seven years ago, when Theodore Wirth was park superintendent. With the exception of one year spent in Seattle, Wash., he has been at the park since and for the past three years has been the head gardener. His work in developing the now famous rose garden has been highly praised by the best men in the trade and has given him deserved popularity with the people of Hartford. Less than two years ago he married a very amiable young lady of Hartford and they have a bright baby boy two months old. In removing to Cromwell they will not be too far from their old home to renew old acquaintances frequently. In the new connection there is room to congratulate both parties to the contract, as the high standing of the Piersons is well known.

A. F. F.



YORK GALA, ONE OF ENGLAND'S GREATEST PROVINCIAL SHOWS, JUNE 18-20, 1913.
Phloxes Exhibited by Gunn & Sons, Birmingham.

thousands, shows but little, if any, wear. The sod path is the only one for a garden. It adds wonderfully to its beauty. One of the border fences was covered entirely with Crimson Rambler which made a great showing, as did the arches of this variety. The Dorothy Perkins arches were also most beautiful. Several plants of Tausendschon were loaded with blossoms; nothing could be more attractive. A separate plant of American Pillar was exceptionally striking, its great heads of single blooms with their white centers attracted great attention, and its name invariably went down on the list, which many of the visitors made. Hiawatha was another favorite, a plant on the border being in splendid shape. The hybrids were gorgeous in their great masses of blooms. They filled all the beds between the sides and the center circles. A favorite was a bed of the old Malmaison. This was a mass of bloom. A bed of Radiance had wintered splendidly and made a great showing. And so I might describe them all, did space permit. A feature was several blocks of standards. These had stood the rigors of winter and were full of flowers.

Alexander Cummings, Jr., the superintendent, spoke of the severe winter weather, saying that the roses have all to be protected, those in the arches being taken down and covered with leaves and tree boughs. An interesting feature was the test gardens. All new varieties sent to be tried out are judged by the committee of the American Rose Society, after one or two years' planting. A certificate secured here should be of great advantage. The test grounds are separate from the

the possibilities of the flower. They see roses as they never saw them before. A new feeling is created, a desire to plant some of these beautiful varieties on their lawns and over their own porches and doorways. The planting of such a garden as this at Elizabeth Park is a very simple matter,



YORK GALA, ONE OF ENGLAND'S GREATEST PROVINCIAL SHOWS, JUNE 18-20, 1913.
Roses Exhibited by W. & J. Brown, Stamford.



MINNEAPOLIS PARK SYSTEM.

River Road East.

THE CARNATION.

New Outdoor Stock.

The principal work with the carnations just at this time is the attention to the new stock in the field. Every encouragement should be given the plants to make strong, sturdy growth. During hot, dry weather keep the cultivator going continually, not so deep that it will cut the roots or throw soil up around the plant, but so that the surface it loosened up to form a dust mulch, to act as a protection for the roots from the hot, piercing rays of the sun. Also when the cultivating is thoroughly attended to, the plants receive benefits from the lightest showers and it is also a guard against standing pools after heavy rains, because the loose surface allows the water to soak down into the soil quickly.

Up close around the plants and between them, where the cultivator cannot be used, the hoe should be brought into play so that all weeds are kept down and also draw the soil a little away from the plants. During a dry spell the question is brought home to us whether to water the plants or not. When we get out in the field during a hot day and find how hot and parched everything is we are inclined to think that the first thing that ought to be done is to start in and do some watering, but experience has taught us that with thorough cultivation of the soil, watering of the plants while out in the field is not such a necessity as we used to think it to be and that if the

plants can be carried safely along without it so much the better. However, location and climatic conditions should govern one's actions in this respect. In our section we as a rule get plenty of heavy rains during the month of May, which is directly after setting the plants out in the field, consequently the plants are thoroughly established by the time the hot weather sets in. This, together with the short season they are in the field, (planting into the houses commencing about July 20) they are able to withstand the dry periods and are better for it.

Topping back the shoots is another very important part of the work for the next two months because a regular pinching of the shoots as they need it during this time means so many more growths to the plant to start the new season with. The work of the old plants is nearly finished and a few weeks will see them beyond their usefulness. Such plants as are still profitable should be given the proper care; they need close watching as regards watering and regular syringings every other day or so according to the weather. The old plants that are past their usefulness should be cleaned out and not allowed to remain to harbor insects of all kinds. A word or two can be said at this time in regard to the compost pile. If it has been turned this spring, then in that respect it is ready for taking into the houses, but do not allow big weeds to grow upon it to draw out its strength.

C. W. JOHNSON.

WORCESTER, MASS.—O. S. Walker is enlarging his greenhouse.



NEWS FROM THE
CONVENTION CITY

Some Natural Attractions.

Members of the S. A. F. who come to Minneapolis in August to attend the national convention and flower show of their association will find sightseeing opportunities in abundance. Both Minneapolis and St. Paul are famous tourist cities. Together they have natural beauties in sufficient number to warrant a visitor's spending a week in sightseeing. There are some points of historic interest in both cities, but the chief claim of the Twin Cities lies in their lakes and parks. Minneapolis has twenty distinct bodies of water within its limits. There are more than one hundred lakes within a radius of 25 miles of the Twin Cities. Most of them are well stocked with fish and most of them are easily reached by automobile.

The principal lakes in Minneapolis are connected and circled by a boulevard, approximately 35 miles in length. Every visitor to the city should arrange to spend the two hours required to make the circuit of this boulevard in an automobile. Starting from his hotel, he will be taken past Loring park, a beautiful tract of 36 acres only a few blocks from the business center of the city, thence past the Parade, a playground of 68 acres lying close to Loring park. The parkway

passes the National Guard Armory and Coliseum which faces the Parade, and then winds through the Kenwood residence district to the Lake of the Isles. At the right may be seen Cedar lake, one of the four large bodies of water in that part of the city. The boulevard follows the irregular shore line of Lake of the Isles to Calhoun and takes its course along the east shore of that large body of water. At the right is the famous Calhoun bath house and the "finest inland bathing beach in America." Sail boats, launches, row boats and canoes dot Lake Calhoun. Visitors who desire to explore that lake or to fish there may

more cash grain is sold than in any other place in the world. Visitors are admitted to the gallery in the trading room. Passage may be obtained from the flour companies admitting visitors to the flour mills. The court house and city hall in Minneapolis, built of Minnesota granite, at a cost of three million five hundred thousand dollars, is one of the famous public buildings of the country. The old round tower at Fort Snelling, erected in 1820, has been maintained in its original condition and should be inspected by visitors to the army post. Within a few blocks of the leading hotel is the Walker art gallery, which contains a

of the most modern penitentiaries of the country, also is reached by street car from St. Paul. South St. Paul, which is a ride of 30 minutes from St. Paul proper, is the center of the meat packing industry of the Northwest. Both of the Twin Cities are filled with incidental attractions for the sight-seer. In Minneapolis there are mile after mile of streets, lined with hardy elm trees which were planted under the direction of the Minneapolis park board and maintained by it. The city has no single prominent resident district. There are beautiful homes in every part of the city and in whatever direction the visitor may go he will find things to please the eye.



HANS ROSACHER'S GREENHOUSES, PARTIAL VIEW, MINNEAPOLIS, MINN.

obtain the use of boats, tackle and bate for a nominal sum. Leaving Lake Calhoun the boulevard continues through the wooded Interlachen district, separating Lake Calhoun from Lake Harriet; it completely encircles the latter body of water which is one of the most beautiful lakes in the country. Like Lake Calhoun it also invites the fisherman and boats and tackle may be obtained there.

The Minneapolis park board maintains a band and concerts are given each evening at the pavilion. There are hundreds of canoes at this lake. Leaving Lake Harriet the boulevard skirts the winding course of Minnehaha creek, passes between Lake Nakomis and Rice Lake to Minnehaha park. In that park are the Falls of Minnehaha, immortalized by Henry Wadsworth Longfellow in the poem "Hiawatha." Joining Minnehaha park are the grounds of Fort Snelling, the historic armory region of the frontier days and the Minnesota Soldiers' Home, which occupies a magnificent site across the Mississippi river from the fort. Here the boulevard follows the gorge of the Mississippi river to the campus of the University of Minnesota, which is one of the famous seats of learning of the continent and well worth a visit. Returning from the university one sees the flour mills of Minneapolis, which have a daily capacity of eighty-four thousand barrels. They occupy sites on both sides of the Mississippi river at St. Anthony Falls, the "Cradle of Minneapolis."

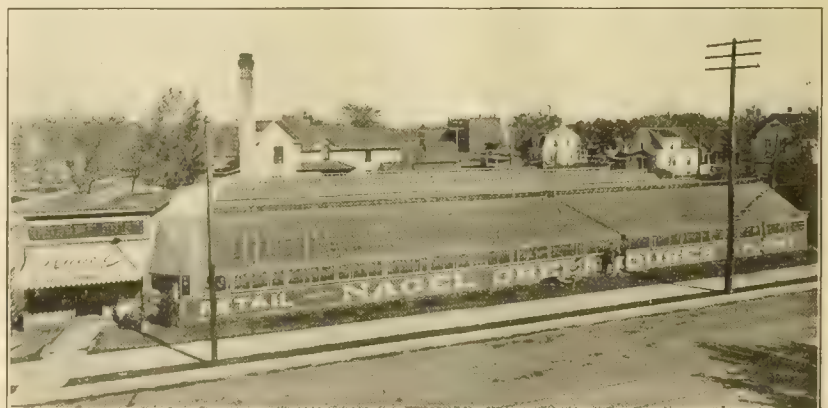
Nearly all the points of interest in Minneapolis and St. Paul may be reached by street car. Lakes Calhoun and Harriet, Minnehaha Falls, the university, the fort and Soldiers' Home are all within a ride of 30 minutes from the center of the city. Among other "things to see" in Minneapolis is the Chamber of Commerce, where

number of world famous paintings. Admission to this gallery is free. The Minneapolis Society of Fine Arts maintains a permanent exhibition in the Central Public Library building, two blocks from the Walker gallery.

Between Minneapolis and St. Paul are the grounds of the Minnesota State Fair, the largest state exposition in the country. On the same car line inside the limits of St. Paul is the Capital City's famous Como park, one of the most beautiful public gardens in the United States. Another famous St. Paul park is the Mounds. It was an Indian burial ground in the day when the red men held undisputed sway in Minnesota and takes its name from the large number of mounds which cover the skeletons of the braves of early days. White Bear lake is reached by street car from St. Paul. Wildwood, on the shores of this lake, is the principal summer park of the Twin Cities. Stillwater, in which is located the Minnesota state prison, one

Arnold Arboretum Notes.

No other North American tree is so familiar to the people of so many different parts of the world as the false acacia or yellow locust of the Appalachian Mountain forests, *Robinia pseudacacia*, and it is now naturalized in many regions far removed from its native home. No other exotic tree has been so generally planted in northern and central Europe since its introduction into the garden of the Paris Museum in 1636 by the king's gardener. Robin, whose labors it commemorates; and no other American tree has given rise to such a voluminous literature. The cheerful light green foliage and hanging clusters of fragrant white flowers are known to everyone who has ever looked at trees. The value of the timber which it produces, the rapidity of its growth, its power to adapt itself to different soils and to reproduce itself rapidly by seeds which germinate readily and by stump and root shoots, would make it a most valuable subject for forest and coppice planting in this country, if it could be protected from insects, but the value of the locust is practically destroyed in nearly all parts of the United States beyond the mountain forests which are its home, by the borers which riddle the trunk and branches. Owing to the difficulty of keeping the locust in a presentable condition here, no serious effort has ever been made to bring together the interesting varieties or "sports" of this tree which have appeared from time to time in European gardens and are largely planted in European collections of trees. At least thirty of these varieties are now known; the one most often seen in Germany, especially in suburban gardens, is the so-called parasol acacia (var. *umbraculifera*). The short branches of this plant form a com-



E. NAGEL & CO.'S GREENHOUSES, MINNEAPOLIS, MINN.

compact spherical head which is usually grafted on a tall stem of the common Robinia, as in this country a dwarf form of the catalpa is made into a "standard" by grafting it on a tall stem of the tree form. The only abnormal form of the Robinia thoroughly established in the Arboretum, is one of the most remarkable of them all; var. *monophylla*, in which the leaves are reduced to a single broad leaflet.

The two pink-flowered arborescent Robinias, *R. viscosa* and *R. neomexicana*, are also subject to attacks by the borer. *R. viscosa*, the clammy locust, is not yet in flower but its near relative, the Rocky Mountain species, *R. neo-mexicana*, is now covered with its short clusters of pale rose-colored flowers. More beautiful perhaps than either of these trees is a hybrid of the Rocky Mountain species with *R. pseudacacia*, *R. Holdtii*, named for the Colorado nurseryman in whose establishment it appeared a few years ago. This tree is very hardy; it appears to suffer less than its parents from borers, it grows rapidly and plants only a few feet high cover themselves with pale pink flowers. This tree, which is not yet often seen in eastern collections, is an interesting and valuable addition to the rather short list of trees which flower here in early summer. The Robinias are planted with the other trees of the pea family on the right-hand side of the Meadow road beyond the piece of natural woods.

The latest of the American magnolias are now in flower, *M. macrophylla* and *M. glauca*. The former is a medium-sized tree with wide-spreading branches and is distinguished by the fact that of all trees which grow beyond the tropics it has the largest leaves and the largest flowers. The leaves of this remarkable tree are silvery white on the lower surface, from twenty to thirty inches long and from eight to nine inches wide, and the cup-shaped, creamy white, fragrant flowers are sometimes a foot in diameter. Although an inhabitant of the south, *M. macrophylla* is perfectly hardy in New England, but unless it is planted in sheltered positions the trees often become disfigured by the wind which tears the large delicate leaves. Less showy *M. glauca* is a more valuable plant for general cultivation. Often a large tree in the extreme south, at the north *M. glauca* is never more than a small tree, or more often a large shrub. The leaves are dark green and very lustrous on the upper surface and silvery white on the lower surface; the small, cup-shaped flowers are creamy white and delightfully fragrant, and they continue to open in succession from the middle of June until August. In all North America there is not a more delightful shrub to plant in the garden, or one that will give larger returns in beauty and fragrance; and yet it is difficult to find it in American nurseries, and it is unknown to most American planters of this generation. A hybrid, *M. Thompsoniana*, between *M. glauca* and *M. tripetala*, another American species, is a handsome plant with the general appearance of *M. glauca* but with larger leaves and large, equally fragrant flowers. This plant is with the American magnolias on the right-hand side of the Jamaica Plain gate and is now in flower. Unfortunately it is much less hardy than either of its parents.

On Hickory path near Centre street there is a group of large plants of *Styrax japonica* now covered with their pure white, cup-shaped flowers, hanging gracefully down from the branches on long, slender stems; this is one of the handsome flowering shrubs of Japan, but unless a sheltered position can be provided for it, it is not perfectly hardy in the neighborhood of Boston. That it is perfectly at home, where it is now planted in the Arboretum, is shown by the great crops of seedlings which spring up every year under the old plants.

Near this group of *Styrax japonica* are two species of *Indigofera*, *I. Kirilowii* and *I. amblyantha*, now in flower. The former is a native of Korea and is a low leafy plant which spreads into a broad mass and continues to produce its racemes of large, pure pink flowers during several weeks. It was introduced a few years ago into the Arboretum by — Jack, and is an exceedingly valuable garden plant. There is a specimen also of this species in the shrub collection. *I. amblyantha* is of entirely different habit, with slender, erect stems, small leaves, and erect axillary clusters of small, rose-colored flowers which continue to appear during two or three months. An inhabitant of river cliffs in Hupeh at altitudes up to six thousand feet, it sometimes grows there to the height of six feet. This plant flowered in the Arboretum last year for the first time. It appears to be perfectly hardy, and it is one of the most beautiful of the small shrubs introduced by Wilson from western China. Two other species of this genus are established on Azalea Path, near its entrance from the Bussey Hill Road, *I. Gerandiana*, a native of the Himalayas, and *I. decora* from southern China. These two plants, although they are killed back to the ground every winter, send up new stems and flower profusely every year. *I. decora*, with its large white flowers, is a beautiful little plant well worth knowing; it is just coming into bloom.

In the shrub collection one of the roses discovered by Wilson on the mountains of Hupeh, *Rosa setipoda*, is now in flower; it is a large vigorous shrub with broad, many-flowered clusters of long-stalked, dark pink flowers. This rose proves to be very hardy and promises to be a decorative plant of much value.

Attention is called to another Chinese plant, *Spiraea Henryi*, now flowering in the shrub collection and perhaps the handsomest of recent additions to the large number of spiraeas now cultivated in gardens. *S. Henryi* is a tall, hardy, vigorous shrub with wide-spreading arching branches which on the upper side are covered with large, flat clusters of white flowers. Among the Chinese shrubs in the collection of these plants on the south side of Bussey hill, *hydrangea zanthoneura* and its varieties are in flower; these with *H. Bretschneideri*, from northern China, are the earliest to flower of all hydrangeas which are hardy in this climate.

In the shrub collection, two of the latest of the bush honeysuckles are in flower and are beautiful now and later in the season when the fruit is ripe. These plants are *Lonicera Ledebourii* from the Pacific coast region, and *L. involucrata*, var. *serotina* from the mountains of the interior of the continent. The long, slender flowers of

these two plants are bright yellow, more or less tinged with red, and they are surrounded by large, leaf-like dark red cups, which remain under the large, black, lustrous fruit. This particular group of honeysuckles contains some of the hardiest and most beautiful garden shrubs which have been brought into the Arboretum from western North America, a region which has produced few plants which are hardy in this climate.

One of the decorative objects in the shrub collection, is the large plant of *Halimodendron argenteum*, called salt-tree because it inhabits the saline steppes near the river Irtysh in Siberia. The pale, rose-colored, pea-shaped, fragrant flowers, which are produced in great abundance, are borne in short clusters, and their delicate beauty is heightened by the color of the leaves which are covered with a pale, silky down. The plant remains in flower during several weeks.

Among vines of recent introduction, *Periploca sepium*, a native of Korea, is worth consideration. This is a plant with slender stems, small, pointed, dark green and very lustrous leaves, and axillary clusters of long-stalked flowers in which the strongly reflexed, dark brown sepals are the conspicuous feature. It can now be seen, covered with flowers, on the eastern side of the shrub collection.

The Himalayan Lilac, *Syringa Emodi*, or as it is sometimes considered a variety of the Chinese *S. villosa*, is now covered with flowers. This is not an occurrence of every year for this species is not perfectly hardy, and the ends of the branches and the flower-buds are often killed in severe winters. It is a large, broad shrub with large leaves, light yellow green above and silvery gray and covered with soft white hairs below, and long narrow clusters of small, white, fragrant flowers. It is the last of the true lilacs to bloom and from all other lilacs it differs in its light yellow foliage.

Conspicuous plants now in flower in the roadside plantations are the North American *Viburnum dentatum* and *V. cassinoides* and the Japanese *V. dilatatum*, a species with very large, slightly convex clusters of creamy white flowers which are followed in the autumn by small bright red fruits. Other conspicuous plants are the North American *Cornus rugosa* and *C. racemosa*, the European *C. alba*, and two native Roses, *Rosa lucida* and *R. humilis*. The flame-colored *Rhododendron* (*azalea*) *calendulaceum* now makes a brilliant show and the laurels (*kalmia*) are in full bloom. The laurels can most easily be reached from the South street or from the Water street entrances, and should be visited within a few days.—A. A. B.

BALTIMORE, MD. — The Gardeners' and Florists' Club will hold its annual excursion August 5. Several hundred members will make the trip to Chesapeake Beach, for which the steamer Dreamland has been chartered. The Washington Florists' Club will also attend, going by rail. Its members will compete with the Baltimore Club in athletic games for prizes. The Baltimore Club will be the guests of J. G. Harris & Sons, at the Harris Nurseries Horticultural Exhibit, at Berlin, July 31, going from there to Ocean City, to attend the Maryland Horticultural Society convention, which opens August 1.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,

440 S. Dearborn St., CHICAGO

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ANENT the use of hydrocyanic-acid gas as an insect destroyer, a recent circular of the Department of Agriculture says: "Hydrocyanic-acid gas is one of the most effective remedies known against various classes of insects. For more than 20 years it has been the principal means of controlling scale insects on citrus trees in California and is now in general use for the disinfection of all deciduous nursery stock and other plant material for shipment, and is one of the most effective methods of ridding greenhouses and cold frames of plant-lice, thrips, white flies, and various scale pests which infest plants grown under glass."

New York Chrysanthemum Show.

We are in receipt of the list of premiums for the chrysanthemum show to be held during the eighty-second annual fair of the American Institute of the city of New York in the Engineering building, 25 to 33 west Thirty-ninth street. Copies may be had on application to W. A. Eagleson, secretary, 324 west Twenty-third street, New York.

Convention Sports Prizes.

C. N. Ruedlinger, local chairman of the Society of American Florists' convention sports committee, advises that he is now ready for such prizes as members of the trade wish to donate for the sporting events to take place at Minneapolis, Minn., during convention week, August 19-23. All contributions and donations for this purpose should be addressed to C. N. Ruedlinger, 2924 Aldrich avenue south, Minneapolis, Minn.

American Rose Society.

HARTFORD ROSE GARDEN TESTS.

The judges, W. R. Pierson and John F. Huss, passed on the exhibits of roses in the test garden at Elizabeth Park, Hartford, Conn., June 28, and present the following report in addition to the report presented of the work on June 21: Test No. 2. Rosemary, introduced by E. G. Hill Co., 1907. Parentage not recorded; scored 77. Test No. 6. Seedling 562. E. G. Hill Co., Chance seedling; Scored 73. Test No. 13. Excelsa, Climbing Wichuriana Hybrid. Conard & Jones Co., 1909; Scored 90. Certificate of merit. Test No. 24. Seedling 392. Parentage, seedling 294 X 266. John Cook, Baltimore, Md.; Scored 80. Certificate of merit.

Society of American Florists.

Space is being rapidly reserved in the trade section of the coming great convention at Minneapolis, Minn., August 19-23. The following is a list of firms who have reserved largely of space: F. R. Pierson Co., Tarrytown, N. Y.; Robert Craig Co., Philadelphia, Pa.; Raedlein Basket Co., Chicago; Ionia Pottery Co., Ionia, Mich.; W. W. Barnard Co., Chicago; S. S. Pennock-Meehan Co., Philadelphia, Pa.; Aphine Mfg. Co., Madison, N. J.; John C. Moninger Co., Chicago; John Lewis Childs, Floral Park, N. Y.; Quaker City Machine Works, Richmond, Ind.; J. A. Peterson & Sons, Cincinnati, O.; E. E. Stewart, Brooklyn, Mich.; H. G. Dreyer & Son, Cleveland, O.; A. A. Arnold, Chicago; H. F. Michell Co., Philadelphia, Pa.; Est. Lemuel Ball, Philadelphia, Pa.; Knight & Struck Co., New York; The Advance Co., Richmond, Ind.; Revere Rubber Co., Boston, Mass.; C. C. Pollworth Co., Milwaukee, Wis.; Vaughan's Seed Store, Chicago & New York; W. A. Manda, Orange, N. J.; H. A. Dreer, Philadelphia, Pa.; A. L. Randall Co., Chicago; Poehmann Bros. Co., Chicago; Richard Vincent Jr., & Sons Co., Whitmarsh, Md.; A. Henderson & Co., Chicago; Jackson & Perkins Co., Newark, N. Y.; C. E. Critchell, Cincinnati, O.; Lord & Burnham Co., New York; Coldwell Lawn Mower Co., Newburgh, N. Y.; M. Rice & Co., Philadelphia, Pa.; Michigan Cut Flower Exchange, Detroit, Mich.; H. W. Koerner, Milwaukee, Wis.; E. L. Hedstrom & Co., Chicago; Hithings & Co., New York; Perkins-King Co., Castner, Curran & Bullitt, Inc., Chicago; Storrs &

Harrison Co., Painesville, O.; Chas. D. Ball, Philadelphia, Pa.

JOHN YOUNG,
Supt. Trade Exhibition.

Chicago to Minneapolis.

The Chicago Florists' Club has selected the Chicago Great Western railroad as the official route to Minneapolis, Minn., for the annual convention of the Society of American Florists, August 19-22. The Florists' Special will leave the Grand Central Station, Fifth avenue and Harrison street, at 6:15 p. m., August 18, arriving in Minneapolis August 19 at 7 a. m. The rate from Chicago to the convention city and return is \$16.00. Florists and their friends, whether members of the club or not, who start from or pass through Chicago, are cordially invited to join the crowd for the trip. The train will be one of the best appointed in the country, and will include buffet-library cars, compartment-drawing room sleeping cars, observation and dining cars. The sleeping car rates are \$1.60 for upper berth and \$2.00 for lower berth. Compartments are \$5.00 and drawing rooms \$7.00. A table d'hôte dinner will be served for \$1.00. Music on the train will be a feature of the trip. Full information may be had by addressing J. B. Deamud, Chairman Transportation Committee, Chicago Florists' Club, 160 North Wabash avenue, Chicago.

Meetings Next Week.

Baltimore, Md., July 14, 8 P. M.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, St. Paul and Franklin streets.
Boston, Mass., July 15.—Gardeners' and Florists' Club of Boston, Horticultural Hall.
Cincinnati, O., July 14, 8 P. M.—Cincinnati Florists' Society, Jabez Elliott Flower Market.
Cleveland, O., July 14, 7:30 P. M.—Cleveland Florists' Club, Progress Hall, 2610 Detroit avenue.
New Orleans, La., July 14.—Gardeners' Mutual Protective Association, 114 Exchange Alley.
New Orleans, La., July 17, 8 P. M.—New Orleans Horticultural Society, Kolbs Hall, 127 St. Charles avenue.
Newport, R. I., July 16.—Newport Horticultural Society; P. F. Reynolds, Secretary, Ruggles avenue, Newport.
New York, July 14, 7:30 P. M.—New York Florists' Club, Grand Opera House building.
Rochester, N. Y., July 14, 8 P. M.—Rochester Florists' Association, 79 Main street, east.
Salt Lake City, Utah, July 15.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.
Seattle, Wash., July 15.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.
Springfield, O., July 14.—Springfield Florists' Club; Arthur Leedle, Secretary, Springfield, O.
Toronto, Ont., July 15, 8 P. M.—Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street.

Watermelon.

Fo'h eleven's fo'h'ty-fo'h, seben come eleben.
Niggah in a melon patch same as gwine to heaben:
Plunk him in de middle, sah; plug him at de end,
Treat a niggah decent an' he allus be you'b friend,
Dinah, bresh de cabla out an' set down in de do,
De melons is a ripenin' an' we hain't gwine to starve no mo'!
Somethin' jes' jerzaetly lak a conjah tied to me;
Ah'm layin' heah a-dreamin' 'neaf de ole persimmon tree,
An' watchin' over yondah twell de sunset twinge de sky—
Dey's gwine to be some action 'mongst dem melons by an' by;
Dinah, put yoh apron on an' wash de chillun's feet,
Ah'm comin' in de moonlight wif an abm-ful mouty sweet!
De melon vines am runnin' an' de stripes om turnin' light,
Ah'm gwine ter take de back road by dat melon patch tonight!
Oh, float him in de watah of de ole well for awhile,
An' den praise God fer livin' as we bus' him up an' smile;
Dinah, quit yoh singin', dey will know dey's somefin' wrong,
An' yet dat's watermelon's 'nuf ter make yoh sing a song!

OBITUARY.

Wyman Elliot.

Wyman Elliot, a pioneer of Minneapolis, Minn., and one of the founders of the Hennepin County Horticultural Society, died June 16 at the age of 79 years. Death came suddenly as the aged horticulturist was walking among the roses in his private garden. Mr. Elliot was prominent in his home city in other lines as well as horticulture and was one time an alderman. He was a leader in movements to beautify his city. He had lived in Minnesota since 1854.

Jacob Freduchson.

Jacob Freduchson, a native of Denmark, for some time employed in the landscape department of the Panama-Pacific Exposition, San Francisco, died June 19 of tuberculosis. He was buried in Cypress Lawn Cemetery, San Mateo County, June 24. Mr. Freduchson was well informed regarding his business and very popular with those he knew.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By gardener, on commercial or private place; 12 years' experience growing all kinds of cut flowers, plants under glass, vegetables and taking care of lawns; Englishman, age 26. Address. Key 860, care American Florist.

Situation Wanted—By Gardener, on commercial or private place; 12 years' experience in growing all kinds of cut flowers, plants under glass, vegetables, care of lawns. Age 26. Address. Key 852, care American Florist.

Situation Wanted—In private place. 18 years experience in flowers, vegetables, care of lawns, well up in all branches. Can speak English, German and Swedish; age 32 years. Married, no children. Address. Key 851, care American Florist.

Situation Wanted—Young business man of refinement who has failed in his own business, wishes to meet widow who owns large store. Desires position as designer of floral pieces for funerals. 30 years old. Address. Key 850, care American Florist.

Situation Wanted—As Gardener on commercial or private place, German, age 38, married, with small family. 22 years experience in all branches of gardening and florist work. Good landscape gardener. Can furnish best references. Address. Key 854, care American Florist.

Situation Wanted—By gardener: Scotch; as head in private place; experienced in all branches of gardening, inside and out. Over 20 years in large establishments growing all kinds of greenhouse plants and vegetables. Also care of lawns and landscape work. Age 37; married; no family. ARCH LITTLEJOHN, 39 Temple St., Somerville, Mass.

Help Wanted—A good plant man, must understand the growing of all kinds of pot plants; good reference necessary. Address. Key 845, care American Florist.

Help Wanted—Gardener, man with experience and ability to manage my twenty acre country estate. References required. Address. THEO. F. THIEME, Fort Wayne, Indiana.

Help Wanted—A-I Rose Grower, must be sober and reliable. German married man preferred, familiar with growing in the East. Address. Key 857, care American Florist.

Help Wanted—A good Chrysanthemum grower and Plantsman: single preferred. Good wages and steady position if he makes good. METAIRIE RIDGE NURSERY CO., Ltd., New Orleans, La.

Help Wanted—Foreman, cut flowers only; no design work. Must be well versed in roses, carnations and mums. Please state experience, salary expected and age. MAX KUDOLPH, 11 W. 12th St., Cincinnati, Ohio.

Help Wanted—A Rose Grower, \$75.00 per month. Married man preferred. HESS & SWOBODA, 1415 Farnum St., Omaha, Neb.

For Sale—Several ice-boxes at a reasonable figure. Address Key 838, care American Florist.

For Sale, rent or exchange—Two greenhouses, 2,800 feet of glass; established business; immediate possession. A bargain. PATTERSON, Horn Building, Corry, Pa.

For Sale—3 houses about 7,500 feet of glass; 4 acres; dwelling and barn; 20 miles from New York City; 2 minutes to station. Address. CHAS. MILLANG, 55 W. 26th st., New York.

For Sale Cheap—Two horizontal return tubular boilers, one 50 h. p., one 40 h. p., suitable for greenhouse or heating plant. Write for full description and price. W. H. BARRETT, Adrian, Mich.

For Sale—Old established retail florist business on a leading avenue of New York City. Good reasons for selling. Terms reasonable. A. F. F., care American Florist, 124 E. 24th Street, New York.

For Sale or Rent—Greenhouse, 10,000 sq. ft. of glass; modern Concrete, Iron and Wood construction double strength glass, steam heated, electric lights, city water, built in 1909. Best condition. Population, 14,000; location, Oklahoma. Price right. Address. D. B. N., Box 82, Clarion, Iowa.

For Sale—If taken at once, at a reasonable price, two lots, one vacant the other occupied by a five room modern cottage and a greenhouse built in 1911. The greenhouse is 19x100 feet, with boiler shed adjoining. 18x18 feet. Address. Key 862, care American Florist.

For Sale—A well established greenhouse business in Northwestern Wisconsin, consisting of about 5,000 feet of glass, 9 room dwelling, 3 acres land, horse, wagons, auto delivery, etc.; well stocked, and clearing from \$700 to \$900 a year. Address. Key 861, care American Florist.

For Sale—Flourishing greenhouse business, five greenhouses with frames; near growing British Columbia town. Cut flowers, tomatoes, grapes, lettuce. Located in small orchard with valuable lake frontage in coming tourist region. Really genuine opportunity. Cash \$3,500, balance terms. BEALBY, Nelson, B. C.

For Sale—Four greenhouses: two 100 ft. long and two 60 ft. long; mostly new houses; the best market for retail and wholesale business; good shipping facilities to Philadelphia; near the large summer resorts of New Jersey. Selling on account of ill health. If my son was old enough I would not part with the place at the low price of \$3,800. Address. Key 863, care American Florist.

FOR SALE

Three second hand steel hot water boilers 14 ft. long by 5 ft. wide. New 4 in. flues. Used only 4 years. Guaranteed in good condition. \$200 each on board cars.

GEORGE REINBERG,
162 N. Wabash Ave., CHICAGO.

Help Wanted.

Gardener, to run a small greenhouse plant singlehanded; must be a responsible party. Wages, \$75.00 and house.

A. Klokner, Wauwatosa, Wis.

Storeman.

An A-1 man is open for engagement Chicago preferred. For further particulars, address

Key 858, care American Florist.

FLORIST OR GARDENER

Firm in the general nursery and greenhouse plant business has vacancy for young man, well informed on trees, shrubs, herbaceous perennials and general greenhouse stock, to handle a section of the correspondence in these lines. State age, practical experience in above lines and wages. Address. Key 855, care American Florist.

WANTED

A Carnation Grower for large modern range near New York City; must be able to produce flowers of the very highest quality; have ability to handle a staff of men and run the place in an up-to-date manner. Salary is one of the largest in the east and the place offers exceptional opportunities for the right man. Applicants must furnish the best of references which will be treated confidentially. Interview can be arranged if necessary. Address,

Key 848, care American Florist.

TO FILL THE EMPTY BENCHES OFFER YOUR SPECIALTIES NOW

**CHRYSANTHEMUMS,
ROSES, LILIES,
PALMS, BEGONIAS,
BOSTON FERNS, ETC.**

Easter Lilies.

Fine Lot Very Cheap.

Write Us for Prices.

Beauties and Roses.

Carnations.

We offer Pink and White Carnations at \$10.00 per thousand in lots of 500 or more and Roses assorted, \$20.00 per thousand in lots of 500 or more.

BASSETT & WASHBURN

LONG DISTANCE PHONES,
CENTRAL 1457.
AUTO., 47-314.

OFFICE AND SALESROOM,
131 N. Wabash Ave., CHICAGO, ILL.

Chicago.

A SANE FOURTH.

The Fourth of July passed very quietly this year, and the death rate due to accidents was much smaller than former years. The weather on that day was extremely hot, as were the remaining days of the week, consequently trade was very quiet and the stock suffered considerably. It was almost impossible to ship roses any great distance for the flowers opened very quickly and in some instances no attempt was made to ship them at all. There is a large quantity of roses from young stock now arriving, and some good Killarney, White Killarney, Richmond and Mrs. Aaron Ward are now offered. American Beauty roses are very plentiful at some of the stores, but they do not command very high prices. Carnations are arriving in very poor condition, and are being sold in large lots at low prices. Lilies are very plentiful, but there is no great demand for them. Northern grown peonies have made their appearance and gladioli of good quality are obtainable. Orchids are still plentiful and some magnificent blooms are now obtainable at very reasonable prices. Asparagus plumosus nanus of good quality is to be had in quantity at some stores. The usual supply of summer flowers is seen and nymphaeas are seen featured at almost all the down town stores in their window displays. The weather the present week has been a little cooler and a heavy rain visited this vicinity on July 8. The growers have needed rain for a long time for their field grown carnation plants have been affected by the dry weather and have been set back considerably. The shipping trade has shown a slight improvement this week and has been better than it was for several weeks past.

NOTES.

Mrs. Horton of the Bassett & Washburn force received a letter this week from Mr. and Mrs. C. L. Washburn from Albuquerque, New Mexico, stating that the weather was cool and that they were having a delightful time and that they expected to reach Pasadena on July 5. Trade has been very good at the Bassett & Washburn store and their July business so far is much ahead of last year.

Harry Nicholson, who is now employed at Excelsior, Minn., was in the city a few days last week previous to his departure for Boston, where he will visit his father, Wm. Nicholson, the well-known carnation specialist. Harry was formerly employed at the Joliet greenhouses of the Chicago Carnation Co.

H. Van Gelder says that Percy Jones has had a very good season and that the firm's profits for the past six months have shown a great increase over the same period of any previous year. Louis Finneman, of the cut flower department, is back from his vacation.

Adam Zender is cutting some fine Killarney, White Killarney, Richmond and Mrs. Aaron Ward roses from his young plants now. He consigns nearly all his stock to Dominick E. Freres, a local wholesaler, who has handled his output satisfactorily for several years.

Frank Schleiden of the Chas. W. McKellar force, and a member of the Whyndott Athletic Club, won a gold medal on July 4 for finishing twelfth in the 15-mile marathon race, held under the auspices of the Portage Park Celebration Association.

Albert T. Hey, who has been unable to attend to business for a prolonged period on account of nervous prostration, is out and about again we are glad to see.

Julius Wolff and Ed. Seibrecht, of the Geo. Wittbold Co., are now enjoying their vacations. O. Strobach, of the same firm, will leave on July 12 to visit friends at Toronto, Can.

The next meeting of the Florists' Club will be held at the Hotel La Salle, July 10, at 8 p. m. An interesting meeting is expected and a full attendance is desired.

John Kruchten is now visiting his growers in a 35 h. p. Studebaker, and it is needless to add that he is having a delightful time with his new machine.

Robt. Northam, George Reinberg's store manager, left this week for Iron River, Mich. Frank Hagen is in charge of the store during his absence.

Miss Nettie Parker of the Chicago Carnation Co. spent a few days visiting with Miss Frieda Gebhardt at Lake Geneva, Wis., returning July 7.

Bert Phillips, of the J. A. Budlong force, will leave next week for Magician lake, Mich., where he will enjoy his vacation.

Erne & Klingel are having a good call for Asparagus plumosus nanus, of which they are now receiving a large supply.

Dwight L. Harris of the Pulverized Manure Co. has returned from a business trip to Kansas City, Mo.

Michael F. Freres is now assisting his brother, Dominick E. Freres, with his wholesale business.

Philip L. McKee, with the John C. Moninger Co., celebrated July 4 at Milwaukee, Wis.

Robert Lange and wife left July 5 for San Francisco, Calif., to spend the summer.

Harald Sylvan has moved from Rogers Park to new quarters at 866 Aldine avenue.

Miss M. C. Gunterberg has returned from a few days' rest in Wisconsin.

PETER REINBERG

Long Distance Phone Central 2846.

30 East Randolph St., CHICAGO.

Beauties = Roses = Carnations

Send Your Orders Direct to the Grower and They Will Be Taken Care of.

Current Price List

AMERICAN BEAUTIES

	Per doz.
36 inch stems.....	3 00
30 inch stems.....	2 00
24 inch stems.....	1 50
20 inch stems.....	1 25
15 inch stems.....	1 00
12 inch stems.....	\$6 00 per 100
Short Beauties.....	4 00 per 100

	Per 100
Richmond.....	
Killarney.....	Select.....\$6 00 to 8 00
White Killarney.....	Medium.....4 00 to 5 00
My Maryland.....	Short.....3 00

	Per 100
Mrs. Aaron Ward / Medium.....	\$8 00
Short.....	\$1 00 to 6 00
Roses, our selection.....	3 00
Carnations, all good.....	1 50 to 2 00
Carnations, fancy.....	2 50
Harrisii.....per doz.	\$1 50 to \$2 00
Valley.....	3 00 to 4 00
Smilax.....per doz.	\$2 00
Adiantum.....	1 00
Asparagus, per bunch.....	.50c
Ferns, per 1,000.....	\$2 00

E. F. Kurowski of the John C. Moninger Co., attended the annual meeting of the jobbers of pipe, valves, fittings and plumbing material at St. Paul, Minn., last week. While there he attended the silver wedding celebration given by Henry J. Puvogel, in one of the large halls, and which some 200 people attended. Mr. Kurowski says it was an occasion long to be remembered, and that Mr. Puvogel certainly out-did himself for there were plenty of presents and everybody was happy.

The third annual meeting of the board of directors and stockholders of the Chicago Flower Growers' Association, was held at their store on North Michigan avenue, on July 7, when much important business was transacted. The election of officers for the ensuing year resulted as follows: J. F. Kidwell, president; E. Meuret, vice-president; A. Then, treasurer; G. C. Weiland, secretary, and C. McCauley, Fred Schramm, Fred Stielow and O. Schrieber, directors.

Chas. W. McKellar and wife have returned from a delightful visit in Michigan. They took the boat to Benton Harbor and autoed in their car, which they took along, to Black Lake near Ottawa Beach and spent July 4, 5 and 6 there bathing and fishing, returning by boat on Sunday evening. Mr. McKellar was terribly sunburned even the top of his head showing the effects of the terrific heat, but he reports having had a most enjoyable time.

Tim Matchen says that the shipping trade was much better at Peter Reinberg's store this week, which is likely due to the cooler weather. Mr. Matchen and wife will leave soon for an extended visit in the south, stopping at St. Louis, Mo., Memphis, Tenn., Birmingham, Ala., Cleveland and Cin-

cinnati, O., and other large cut flower centers.

Miss Agnes Ryan and Jack Page were quietly married last week, and have now gone housekeeping on the north side. Mr. Page is a son of a well known grower in England, and was formerly employed in the carnation range of Poehlmann Bros. Co., at Morton Grove, but is at present with Peter Reinberg.

Poehlmann Bros. Co. supply department is now getting out a new catalog which will be ready for mailing soon. T. E. Waters is busy arranging an exhibit of supplies on the fourth floor of the building his firm occupies, and cordially invites all visitors as well as the local trade to inspect same.

J. F. Kidwell of the Chicago Flower Growers' Association, left July 8, on a business trip to New York, Washington and Baltimore and expects to be gone about a week. John Walsh, the shipping clerk, is back from his vacation, and is again attending to his duties at this store.

A little visitor, Miss Alice Elizabeth Frese, gladdened the home of Mr. and Mrs. Otto W. Frese on Sunday, July 6. No wonder papa Frese was so happy at his desk at Poehlmann Bros. Co.'s store all week.

John Sinner is spending his vacation with relatives in Iowa. He expects to spend most of his time fishing on the Turkey river, so his friends can look for some good fish stories upon his return.

Hoerber Bros. have had a good demand for stock, considering the present market conditions and this especially holds good in My Maryland roses which are now in fair demand.

Chas. Grabig has closed his store in Irving Park boulevard for the summer, and will leave soon with his family to enjoy a well earned rest on a farm in Iowa.

H. VAN Gelder

L. M. Jones

PERCY JONES
INC.

WHOLESALE COMMISSION FLORISTS

56 East Randolph Street
CHICAGO

THIS WEEK ONLY.
CYCAS LEAVES.

	Per doz.	Per 100
12 to 14 inch.....	\$0.35	\$2.25
14 to 16 inch.....	.40	3.25
16 to 20 inch.....	.50	3.75
20 to 24 inch.....	.60	4.50
24 to 28 inch.....	.70	5.50
28 to 32 inch.....	.80	6.00
32 to 36 inch.....	.90	7.00
36 to 40 inch.....	1.00	7.25
40 to 44 inch.....	1.10	8.00
44 to 48 inch.....	1.20	8.75

Assortment of 100 Leaves, 10 each, for \$6.00.

3% Discount for Cash.

If any item we ship is not entirely to your satisfaction, return it upon receipt and we will gladly pay return charges and ask no questions. Merely say you cannot use it.

Watch This Column Every Week.

YOU LOSE MONEY

When you buy without writing us for prices

Dick Salms made a trip to Madison, Wis., in his auto, on July 5, and reports having had a delightful time.

A. L. Vaughan & Co. are featuring a fine grade of gladioli in addition to choice northern grown peonies.

W. N. Rudd and daughter are fishing at Minocqua Lake, Wis.

WIETOR BROTHERS

162 N. Wabash Avenue,

: :

CHICAGO.

CURRENT PRICE LIST—Subject to change without notice.

American Beauties

Per Dozen	Per Dozen
60 in. stems.....\$3 00	24-in. stems.....\$1 50
48-in. stems..... 2 50	16-in. stems..... 1 25
36-in. stems..... 2 25	12-in. stems..... 1 00
30-in. stems..... 2 00	

White Killarney, Richmond, Maryland Killarney.

Per 100	Per 100
Extra special.....\$ 7.00	Medium \$4.00
Selects..... 6 00	Good..... 3 00
Fancy..... 5 00	Short stems 2.00

Roses, our selection - - - \$3 00

Sunburst

	Per 100
Extra special.....	\$10.00
Fancy.....	8.00
Good.....	6.00

Carnations.

Special.....	\$2.50
Good.....	\$1.50 to 2.00
HARRISII.....	\$12 50 to 15 00
FERNs, per 1000.....	2.00
SMILAX, per doz.....	\$2.00 to 2.50
ADIANTUM, per 100.....	1.00
GALAX, per 1000.....	1.00
SPRENGERI, per bunch.....	.50
ASPARAGUS SPRAYS, per bunch.....	.50

L. Hoeckner, Tim Matchen, L. Lozer, Herbert Hansen, James Anderson, Otto Goerisch, Archie Spencer, Otto Nelson and Red Gannon presented Pitcher Brown of the Cincinnati with 200 American Beauty roses on the afternoon of July 4 which so pleased him that he showed his appreciation by shutting out the Cub team by a score of 4 to 0. All of the young men attended the game and were well pleased with the result.

Buchbinder Bros. are certainly doing a land office business in the manufacturing of florists' refrigerators and are constantly shipping out new boxes to the trade from the salesrooms at 518 Milwaukee avenue to the trade in all sections of the country. Sidney Buchbinder the sales manager closed three orders this week alone and has several more good ones in sight.

N. J. Wietor says that the young rose stock in Wietor Bros' greenhouses is doing nicely, especially Sunburst, Mrs. Chas. Russell and Milady showing exceptionally good growth. This firm is cutting a good grade of stock at present and is still pleasing their customers with carnations that ship well for this season of the year.

Kyle & Foerster are having a good call for peonies and the stock they are offering at present is very good for so late in the season.

The J. B. Deamud Co. is showing a fancy grade of water lilies in addition to a full line of all other seasonable stock.

The Cook County Florists' Association baseball nine will cross bats with a local organization next Sunday, July 13.

Zech & Mann are showing a fine line of stock now and report business a trifle better this week.

Guy Reyburn, with A. Henderson & Co., is spending his vacation in Pennsylvania.

Mrs. A. Henderson, who has had diphtheria, is progressing favorably.

Visitors: J. W. Furrow, Guthrie, Okla.; S. W. Kanady, Denton, Tex.; J. W. Ross, Centralia; J. C. Elsperrmann and wife, Evansville, Ind.; C. E. De Wever, Olivette, Mo.

PLAINVIEW, TEX.—The Plainview Floral Co., are adding a block of land to their property to take care of their increasing business, which has far exceeded expectations.

VANDERGRIFT, PA.—The horticultural societies of Maryland and Delaware will hold a joint summer meeting at Berlin, Md., July 31. The visitors will be entertained by the noted nursery firm of J. G. Harrison & Sons.

St. Louis.

SUMMER DULLNESS HAS SET IN.

The weather has been very warm and sultry during the past week and summer dullness has fully set in. The wholesale houses have had a fair demand on account of large funeral orders. Roses open up quickly. Gladioli are arriving, America bringing 10 cents, others 6 to 8 cents. A few single tubes are also seen. Ferns are plentiful, selling cheap in 5,000 lots. Pink asters are bringing a fair price. Carnations are getting smaller, although a few good white can yet be seen.

NOTES.

A very interesting meeting of the St. Louis County Growers, took place last Wednesday, July 2. Frank Weber, of Weber's Nursery, gave a report on white and pink Enchantress. Sixty-one thousand carnations were consigned to the Wm. C. Smith Wholesale Floral Co., which netted 2 1/4 cents, 22 blooms to a plant being the average. The question as to the taxing of parties

has done good work, and the trees are looking much better than last year.

Otto Bruening, chief salesman at H. G. Berning's, has returned from New York where he has been spending his vacation. Herman Nischau, also of this establishment, has left on a vacation.

Vida Key of Grimm & Gorly, has left for the east on a vacation. She will visit Long Branch, N. Y., and other eastern resorts.

Grimm & Gorly's base ball team is expected to win the pennant in the Municipal League.

The Windler Wholesale Floral Co. is receiving a good supply of asters which are selling well.

C. A. Kuehn has a fine assortment of cut flowers. His valley are extra fine.

Wm. Winters is cutting gladioli. His stock is consigned to H. G. Berning.

George Angermueller had some fancy asters during the past week.

W. F.



GEO. H. ANGERMUELLER'S BUSY BRIGADE, ST. LOUIS, MO.

more than once, within a certain period of time, by the Hail Association, also proved quite interesting.

Ernest Strehle, superintendent of Forest Park, is very proud of the summer garden, which is at its best now. He states the garden is not yet completed, but that it will look as fine as any in the country, next year. Wm. Cowperwaith, park forester, who has charge of all the trees in the city parks,

DORCHESTER, MASS.—Wm. Hannan & Son, florists, whose establishment on Codman street has been a figure in the wholesale and retail floral trade for over twenty-five years, have the distinction of being among the leaders of the state. They have made a study of raising their famous Pink Delight Carnations and Killarney Roses of which their superior cannot be found elsewhere in this community.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone 176 N. Michigan Ave.
Randolph 5449

Chicago

LILIES

Big supply of Fine Flowers

CARNATIONS

The Best the Market Affords

ROSES

Good Shipping Stock

SWEET PEAS

Choice outdoor stock

And everything else seasonable
in Cut Flowers and Greens.

Current Price List. Subject to change without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$2.00	1.50
Killarney.....per 100	8.00	6.00	5.00	4.00	3.00
White Killarney.....	8.00	6.00	5.00	4.00	3.00
My Maryland.....	8.00	6.00	5.00	4.00	3.00
Richmonds.....	8.00	6.00	5.00	4.00	3.00
Sunburst.....	8.00	6.00	5.00	4.00	3.00
Mrs. Aaron Ward.....	8.00	6.00	5.00	4.00	3.00
Carnations.....	8.00	6.00	5.00	4.00	3.00
Lily of the Valley.....	3.00	2.00	1.50	1.00	.75
Peonies.....	4.00	3.00	2.00	1.00	.75
Sweet Peas.....	6.00	5.00	4.00	3.00	2.00
Easter Lilies.....	1.50	1.00	.75	.50	.30
Daisies.....	12.50	10.00	7.50	5.00	3.00
Asparagus Plumosus Sprays..	1.50	1.00	.75	.50	.30
Asparagus Sprengeri Sprays..	4.00	3.00	2.00	1.00	.75
Smilax.....	3.00	2.00	1.00	.75	.50
Galax, Green and Bronze.....per 100C	16.00	12.50	10.00	7.50	5.00
Ferns.....	1.00	.75	.50	.30	.20
Boxwood.....bunch	2.00	1.50	1.00	.75	.50
Adiantum.....per 100	.25	.20	.15	.10	.07

Portland, Me.

OLD-FASHIONED FLOWERS IN DEMAND.

Commencements and June weddings have kept the florists very busy the past month. Peonies, roses and lily of the valley were the flowers that seemed to lead, although there has been an unusual demand for the old-fashioned garden flowers for which the Pine Tree State is famous.

NOTES.

June 25 occurred the Thaxter-Schuyler wedding, the groom being a son of Mrs. Sidney W. Thaxter, one of the prominent families of the city, and the bride a daughter of Canon Schuyler of the Cathedral church of St. Luke, where the wedding took place. The interior of the church, with its dignified yet simple architecture, was never more beautiful than on this occasion. Giant white peonies tinted a pale pink lent their fragrance to the atmosphere, and made an effective decoration against a background of palms. Great boxes of iris and Shasta daisies were placed at the windows, and masses of the daisies were tied at the ends of the pews with white gauze, making an aisle of daisies through which the bridal party passed. All the decorations, both at the home and the church and the bouquets were in charge of Miss Bertha F. Lougee of the Portland Flower Store, and they were in the best of taste, showing an artistic appreciation of color effect and background. At the home giant peonies, sweet peas and daisies were used, masses of these flowers being placed at different points of vantage. On Monday preceding the wedding Mrs. Sidney Thaxter entertained at dinner for 36 guests. Many favorable comments were heard concerning the decorations in water glasses of white iris, roses and adiantum. The floral

decorations of the church were great masses of peonies, hydrangeas and palms were banked about the altar, the combined effect of peonies and hydrangeas with the green was particularly beautiful, the faintest touch of pink showing in the peonies against the background of green and white. Miss Lougee of the Portland Flower Store had charge of the bouquets, and they were exquisitely beautiful, being of lavender stock, Queen roses, spirea and the old English founce, the whole festooned with loops of chiffon ribbon. The bouquets carried by the brides were of valley lilies and maiden hair ferns, with orchids, and the gowns were of white ivory satin, the long veils being thrown back and caught with valley lilies.

June 25 occurred the wedding of Miss Mary Phelps and Harold Gerrish, the marriage taking place at the new home of the young couple at Lovett's Field. Mountain laurel made a most effective decoration and pink gladioli, roses and peonies were used to advantage. The bride carried a shower of valley lilies and white sweet peas and the bridesmaid an arm bouquet of pink sweet peas and forget-me-nots.

Albert Dyer, one of the popular florists and decorators, has been confined to the house by illness for several weeks past, but is able to be about once more and friends and brother florists hope for a speedy recovery. Mr. Dyer has made a business change, locating directly across the street from his old stand, thus ensuring larger and more commodious quarters for his patrons.

June 12 at the First Parish Church, Miss Marion Fletcher became the wife of Clifton Foss, and her sister, Miss Mary Fletcher, became the wife of Simmons Brown. The bouquets of the brides were showers of valley lilies,

orchids and adiantum. The bridal procession was a most attractive one, the four flower girls wearing quaint, old-fashioned flowered gowns and bonnets.

The market at present is flooded with the White and Painted Lady variety of sweet peas. Some of the Spencers will be here for which there is always a great demand both by tourists and natives. Pinks going slowly. Roses still in demand. New shades in the double peonies also selling well.

Commencing July 1 all the larger retail florists will close their stores at 6 each evening, thus taking advantage of the cool summer evenings here for recreation which cannot be enjoyed during the strenuous winter evenings.

The Saco Flower Co., of Saco, has just completed a new office where the old one formerly stood, which adds a great deal to the attractiveness of this popular greenhouse.

Mrs. M. W. Smith, manager for the J. W. Minott Co., has been enjoying a well deserved vacation of two weeks, spent at her former home in Kingfield.

Chas. L. Howe and wife, of Garrison Hill Greenhouses, Dover, N. H., accompanied by his head gardener and wife, were recent visitors in town.

Roland Barrows of Gorham has built another small greenhouse and expects to do an even larger business this fall.

Miss Lougee, manager of the Portland Flower Store, has been very busy the past month decorating for the various weddings.

Frank Minott, of the J. W. Minott Co., broke his arm a few weeks ago while cranking his automobile.

Mr. Strout, the enterprising pink grower of Biddeford, has completed a new up-to-date greenhouse.

Miss Lougee, of the Portland Flower Store Co., is spending a few days with friends at Wilton Lake.

Mrs. Elizabeth Dennett has returned from a few days' auto trip about Massachusetts.

P. F. S.

Cleveland.

PLENTY OF STOCK.

So far July has been a pretty busy month, with enough stock on hand at all times of one thing or another to meet all demands. While roses of all varieties "open while you wait," there are other equally good flowers to take their place. Water lilies for instance make a very beautiful spray, or can be used in a set piece to advantage, as flowers are usually large and perfect in color. Candidum lilies, good clean storage stock, is in excellent demand. Kaiserin, the only good white rose for summer, is at its best during July and August. Some very good American Beauties are on the market. Sweet peas arrive in unlimited quantities and stock is generally good. Delphinia is in good demand. Easter lilies are again very plentiful, and can be bought at very reasonable prices. Gypsophila or Baby Breath is more plentiful this year than it was last year. Fancy ferns have dropped in price and quality is better than ever. My Maryland rose is in good demand for the warm weather. A few very good carnations are still arriving and these clean up daily. Coreopsis, white and yellow, daisies and snapdragon are a part of the daily stock.

NOTES.

In the presence of a few intimate friends of the bride and groom, Chas. E. Russell, of the Jones-Russell Company, was married to Miss Mayme McGorray, on Monday morning, June 30, at 9 o'clock, at St. Patrick's church. The church was beautifully decorated with daisies. Following a wedding breakfast, Mr. and Mrs. Russell left in a private car on a wedding trip to the White Mountains. After August they will be at home, 15102 Clifton boulevard.

Mr. Schoen, of the Gasser Retail Store, reports he had three large blankets as a part of his funeral work last week, one entirely of pansies was perhaps the most beautiful; another of valley, orchids and lavender peas, while still another consisted of white roses and lavender peas.

Mr. Shearer, of the Jones-Russell Co., had the misfortune to break the bones in one of his feet, when taking down the decorations at the Garretson wedding, which will lay him up for a matter of nearly six or seven weeks.

The Statler hotel spent nearly \$1,200 with the Gasser Co. for bay trees, dracanas, etc., which they will use in beautifying the hotel. The Gasser Co. also had a wedding decoration at this hotel on July 4.

Harry Robbins, of Gasser's Retail Store, left July 2 for a two weeks' trip through the west. He will stop at St. Louis on his way out.

Geo. W. Smith, of the Cleveland Florists' Exchange, and Mrs. Smith spent the week at the St. Clair flats, Detroit, and other points nearby.

Emil Meyers, of the Penn Square Floral Co., left Tuesday, July 1, for a three weeks' fishing trip in the Canadian wilds.

C. F. B.

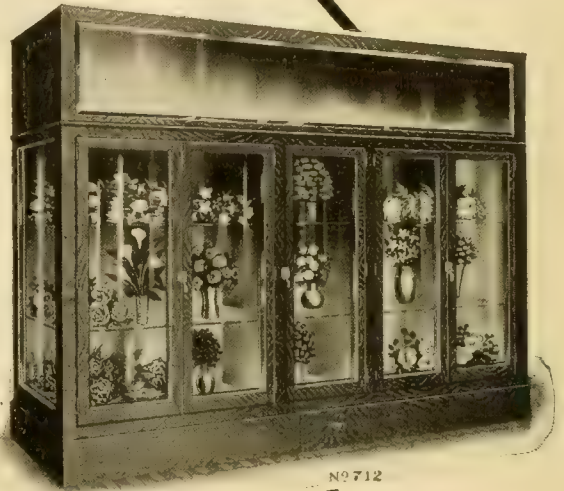
BOSTON, MASS.—A committee of the city council, headed by W. L. Collins, chairman, voted to recommend to the council the expenditure of \$3,000 for a new horticultural building in which flower shows can be held, and which will be erected in the Fens.

Buying a New Refrigerator?

Your old one leaks, looks bad and is in need of repairs. Invest in a new one. Save ice bills and improve the looks of your store.

"We Make Them Better"

WHY NOT get the best value for your money? We manufacture Florists' Refrigerators exclusively, devoting our entire time to one line rather than making it a side issue. Plans and designs furnished free. We take great pride in the originality of our designs and perfection of construction.



Write for our new Florist Refrigerator Catalogue.

BUCHBINDER BROS.

518 MILWAUKEE AVENUE, CHICAGO, ILL.

Pittsburg.

STOCK SHOWS A SHORTAGE.

Trade in Pittsburgh has been nothing to brag about the past week, most of the florists taking the opportunity and enjoyed themselves, while the time was at hand. There has been a marked shortage of all kinds of good roses, especially white, which is very scarce. The majority of roses coming in are culls and short stemmed. In the other lines of stock most everything is plentiful. Carnations are still holding out but will not last much longer. The shades of pink are so faded by now that the dealers have a hard time to distinguish the different varieties from one another. Among the retail trade there are no startling reports of briskness and the usual amount of funeral work is all that is keeping the forces busy. Most of our growers report being sold out of most of all kinds of potted stock and seem glad to give such a report, being anxious for a well deserved rest.

NOTES.

A few of our downtown florists were badly stunned Monday when notified that two of our largest banks had failed in which they held accounts. It is the general belief that most of the money will be made good, however.

Fourth of July brought out several of our water sport enthusiasts and they could be found in the hot sun anywhere that there was room to paddle a canoe.

The South Hills Flo. Co. are cutting carnations equal to midseason stock and expect to continue doing so all through the coming summer.

Frank Farney of M. Rice & Co., Philadelphia, and Ross Adgate, of The McCallum Co., were in town a few days last week.

Fred Reigelmier had a large decoration last week for the Schlott cafe, on Diamond street, using green oak sprays profusely.

The Tarentum Floral Co. report trade as being very well and are cutting a heavy crop of various green goods.

The father of B. W. Spragg is reported in a dying condition at his home in Waynesburg, Pa.

The Zieger Co. has discontinued operating their branch store in Penn ave.

John Sisley is enjoying an auto trip to Cleveland and Buffalo.

J.

Cincinnati.

STOCK IN GOOD DEMAND.

Last week's business was fair, there was plenty of stock, and the buyer could and did discriminate, as to quality. This week, however, if the market keeps up as it did on Monday, there will be little chance for discrimination. It will be a case of grabbing whatever there is in sight, for this week started with a very limited supply of stock and a very good demand. The demand for lilies, which are among the best blooms of any kind that are being offered has increased while the supply has shortened somewhat. Many times at the close last week the wholesalers were unable to take care of all calls for this flower. Pond lilies find a pretty fair call.

The gladioli supply has increased and sells nicely. The good and choice roses are limited to Maryland, Taft, Kaiserin, a few Killarney (pink and white), and Beauties. The others offered are not of any too good quality. The offerings of American Beauties are rather limited. Other offerings include hardy hydrangeas, feverfew, coreopsis and other outdoor stock. The supply of smilax is at the time of this

EXTRA FANCY GLADIOLI

**Good Supply of all the Best Seasonable Varieties.
Also Roses, Carnations, Northern Grown Peonies,
Orchids, Sweet Peas and Greens of All Kinds.**

A. L. VAUGHAN & CO.,
(NOT INC.)
161 N. Wabash Ave., TELEPHONES: { Central 2571
" 2572
Auto. 48-734 **CHICAGO**

writing very short. The ice strike in this city, while at times it has inconvenienced the florists, still has never caused them to be without necessary ice, when they wanted it.

NOTES.

The Grim Reaper has been at work again, this time he took R. C. Witterstaetter's wife, who had been ill for some time. Mr. Witterstaetter has the sympathy of his many friends.

Miss Christine Bossmeyer, of C. E. Critchell's, is on her vacation. She spent the first few days at Connersville, Ind., and will spend the balance of the time at Batavia, Ohio.

C. E. Critchell is the first wholesaler to receive asters this season. Mr. Critchell, too, recently put in a large stock of bronze magnolia.

Other visitors, B. H. Klus, Anderson, Ind., Wm. Lodder, Hamilton, Ohio, Fred Rupp, Lawrenceburg, Indiana.

Miss Ada Kresken was ill, during the larger part of last week. It was a case of too much hot weather.

The annual meeting of the Cincinnati Florists' Society will be held at the club room on July 14.

Don't forget the florists' picnic and outing at Coney Island, next Thursday, July 17.

P. J. Olinger was under the weather for several days last week.

Ed. Fries and wife left this week for a trip to California.

Geo. Tromeys is spending ten days at Martinsville, Ind.

Wm. Gerlach Jr., of Piqua, was in the city, on Monday.

Nashville, Tenn

HEAT AFFECTS FLOWER SUPPLY.

The florists have been having a rather hard time of it owing to the extreme dry weather and the prolonged drought which has materially affected the flower supply, and it has been hard to grow anything. Trade has been very good, especially in funeral work and in bridal flowers, which seem to have no let up, even though the thermometer is ranging above the nineties. Considering all things, the quality of the flowers has been very good. There are still some good roses, Maryland, Kaiserin and Killarney. Valley and Bermuda lilies are still quite plentiful, and serve to make other flowers go well. Sweet peas are about gone, and in a very short time now asters will take their place. All the growers have candytuft and such like to fill in with and it helps a little.

NOTES.

McIntyre Bros. have had a wonderful success, since moving into their city store, upon the fashionable West End avenue, and have expanded considerably in other ways. Their new

plant on the Murfreesboro road is already in operation, and presents quite an imposing appearance. They are continually adding to their capacity, and to further facilitate their business have taken out articles of incorporation under the name of the McIntyre Floral Company, asking for an authorized capital stock of \$37,000. Last year the company added to their real estate and buildings some \$25,000, and propose to spend a similar amount this year or in the near future, doubling their present capacity, and in every way increasing their facilities. The incorporators are Dan, William and Thomas McIntyre and their sister, Miss Nellie McIntyre. The latter is an expert designer, and is head saleslady in the store.

Tom Joy, of the Joy Floral Company, is the happy father of a beautiful baby boy, and has had the four generations photographed, all named Thomas Joy. Mr. Joy has recently enjoyed an outing and fishing trip to the mountains, his efficient clerical force running the store during his absence.

Geny Bros. are planting for next season's crop, largely from their own propagation. Roses and carnations are being bedded. They have added one new house, 40x200 feet in size, and have built another leanto.

M. C. D.

Baltimore.

INDOOR FLOWERS IN DEMAND.

Extreme heat has prevailed over this locality for two weeks or more. No rainfall to speak of with the result—parched up lawns, stunted fields of corn and gardens are damaged beyond the help of rain, if it comes now. With fruit scarce and a shortage of vegetables, the coming season means a pretty hard one, for prices always soar, when there is a scarcity and also a demand. The dry season has put an end to out of door flowers. The demand for indoor flowers has been excellent. June has been a very profitable month, quite a demand for flowers and fair prices kept up—by that I mean, the good flowers brought fair prices for this season of the year. Except for a wedding now and then or a funeral, the season is practically over for the next two months. Now is the time the florists think about their recreation and outings.

NOTES.

The Gardeners' Club will go to Ocean City, the latter part of July, for a few days and will be entertained by Messrs. Harrison at their home in Berlin, on the trip down. The Messrs. Harrison have extensive nurseries at Berlin. The cultivation of peaches is a specialty and grown to great perfection there. The florists look forward with much pleasure to this trip,

as they remember a similar outing there about four years ago and the pleasant time enjoyed there then.

Wm. Johnston and family, well known florists of Baltimore, sailed Wednesday, on the "Mauretania," from New York, for the other side, to be away until September.

Miss Alexia Anderson, daughter of Andrew Anderson, florist, is at home for the summer. Miss Anderson is a teacher of Domestic Science in Philadelphia, Pa.

B.

The Horticultural Society of New York.

An exhibition was held on Saturday and Sunday, July 5-6, in cooperation with the New York Botanical Garden, in the Museum building, of that institution. Prizes were offered for sweet peas, herbaceous plants, Japanese irises, shrubs and trees, and vegetables. The following were the awards: Six vases sweet peas, 6 varieties, 25 of each, Miss M. T. Cockcroft, Saugatuck, Ct., Adam Paterson, gardener, first; Miss B. Potter, Ossining, N. Y., Geo. Wittlinger, gardener, second. Vase of sweet peas, 100 sprays, 1 or more varieties: John I. Downey, Portchester, N. Y., Thos. Ryan, gardener, first; Miss M. T. Cockcroft, second. Collection of herbaceous plants: Mrs. F. A. Constable, Mamaroneck, N. Y., Jas. Stuart, gardener, first; G. D. Barrow, Rye, N. Y., James Linane, gardener, second. Collection of shrubs and trees: T. A. Havemeyer, Glen Head, N. Y., A. Lahodny, gardener, first; G. D. Barron, second. Six vases Japanese irises, 6 varieties: Miss M. T. Cockcroft, first. Three vases sweet peas, 3 varieties, 25 of each: John I. Downey, first; Miss M. T. Cockcroft, second. Twelve different vegetables: Miss B. Potter, first. Six different vegetables: T. A. Havemeyer, first. Special prizes: Miss M. T. Cockcroft, for a vase of Gardenias; Max Schling, for a basket of flowers, diploma.

Some time ago an announcement was made of three special prizes for vegetables for the exhibition next November. One of these was offered by M. C. Ebel. It was suggested to Mr. Ebel that in view of the two other vegetable prizes he should transfer his prize to something else. He has consented to do this, and will offer the same amount divided as follows: For a collection of hot-house fruit, \$35.00; for two bunches of hot-house grapes, one black and one white, \$15.00. The Horticultural Society will offer a second prize of \$20.00 for the collection of fruit and a second prize of \$10.00 for the grapes.

Remember the date of the next show is October 31 to November 4, and it is hoped that the local societies will so arrange their dates as not to conflict with this, for the meeting of the National Association of Gardeners takes

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street, L. D. Phone, Randolph 6578 CHICAGO, ILL.

place at that time at the American Museum of Natural History, and all gardeners in this vicinity will certainly desire to attend.

GEORGE V. NASH, Secy.

Maywood, Ill.

W. H. Amling who recently purchased Paul E. Weiss' place will grow Killarney and White Killarney roses. Walter Amling will have charge of this place. Martin Nielson formerly with this firm has left for Minnesota to accept a position there as plant grower.

Theo. Winandy, who had charge of the Winandy crew at their place, left for Oklahoma, where he will take charge of a new crew. Helton Winandy is now in charge of the crew here, which will finish work by August 1.

H. W. Wehrman's new house 50x300 feet is now ready for glazing. Chrysanthemums and sweet peas will be grown in this house. Mr. Wehrman and family have just returned from a pleasant visit at G. Surrick.

The Weiss-Meyer Co.'s new range is now completed. The entire plant is devoted to American Beauty roses and is in charge of Henry Meyer who was formerly American Beauty rose grower for the A. F. Amling Co.

Wm. Collatz, manager of the A. F. Amling Co., received his new Studebaker last week.

Herbert Amling and W. F. Amling will leave soon for a few weeks' vacation in Iowa.

Wm. Wietendahl's new carnation range will be completed this week.
W. A. A.

Minneapolis Florists' Club.

JULY MEETING.

John Rovik, chairman of the baseball committee for S. A. F. and O. H., reported suits prepared for his team bearing the inscription of the "Minneapolis Florist Club," and the boys were practicing every Thursday evening, assuring the club that they would be in readiness for the great event and give the "All Star" team a real taste of baseball.

The July meeting of the Minneapolis Florist Club was held July 1, at Rice Brothers' store, 218 N. 5th St., the attendance was very large and shows the spirit the boys are taking here in their organization. Five new members were voted in, and a report of committees was read.

Theo. Wirth, chairman of the convention association, made report of progress of convention matters, all committees were making exceedingly good headway on their work and everything was practically at completion now.

William Desmond, president of the club, left on a two weeks' vacation to International Falls, Minn., taking the eleven o'clock train immediately after the meeting, and the members gave him a sendoff for a good time.

A letter was read by the secretary from Wm. F. Gude, chairman of the Wm. R. Smith Memorial Committee, and a subscription was voted and immediately forwarded to Mr. Gude.

An adjournment was taken until the first Tuesday in August.

C. F. RICE, Sec'y.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

Massachusetts Agricultural College.

CUT FLOWER EXHIBITION.

The Florists and Gardeners' Club of the Massachusetts Agricultural College, which is composed largely of members of the floricultural classes, held an exhibition of cut flowers during Monday and Tuesday of commencement week, June 16-17. This exhibition was largely attended by local people and commencement visitors and proved an attractive feature of the week. A large number of named varieties of peonies were on exhibition from the trial plots at the college, also many of the herbaceous perennials which are in flower at this season. The college also exhibited varieties of carnations, roses and sweet peas. This exhibit was supplemented through the generosity of many of the commercial and private growers of the vicinity.

The A. N. Pierson Company of Cromwell, Conn., sent splendid vases of Dark Pink Killarney, White Killarney and Lady Hillingdon roses. W. H. Elliott of Madbury, N. H., and Brighton, Mass., sent vases of American Beauty, Christine Miller, Mrs. Taft and Lady Hillingdon roses. Patten & Co., Tewksbury, sent a vase of Princess Dagmar carnations. O. D. Allyn, a rose enthusiast of Holyoke, showed 36 varieties of hybrid perpetual and hybrid tea roses. S. A. Wilde of Taunton sent 40 varieties of outdoor roses and 60 types and varieties were received from Elizabeth park at Hartford, Conn.

The past year has been a progressive one for the department of floriculture. There were eight members in the graduating class and all of these have secured desirable positions.

Washington.

On July 2 the committees of the Washington bowling team, Baltimore florist and Kallipolis Grotto No. 15, M. O. V. P. E. R., met and made all arrangements for the annual excursion to Chesapeake Beach Aug. 5. The committees will meet again July 13 and go down to the beach on a special train furnished by the Chesapeake R. R. Co. to make final arrangements with the hotel people, as the Baltimore Florist Club expect to hold a reception and dance. This excursion is for the bowling club, and we hope every florist will close part of the day so as he can take his wife and family or his sweetheart down and enjoy themselves.

The next meeting of the florists' club will be held at Fred Kramer's, where Ed Schmidt will give his annual

Dominick E. Freres

WHOLESALE FLORIST

Roses, Carnations and all other seasonable cut flowers and Greens. Fine fresh stock obtainable at all times at lowest market prices. Give me a trial order.

162 N. Wabash Avenue, CHICAGO

J. B. DEAMUD CO.

Wholesale Florists

Roses, Carnations, Lilies and all other seasonable flowers and Greens in quantity. All orders filled promptly.

160 N. Wabash Ave., Chicago.

Oak Wreaths

Natural prepared American Oak Wreaths, made from preserved and fireproof Oak Sprays in cherry red, golden brown and natural green. Two sizes, 18 and 24 inch. Sample of 24-inch wreath will be sent postpaid on receipt of 9c.

OSCAR LEISTNER, 17 North Franklin Street CHICAGO

Selling Agents for OVE GNATT Hammond, Ind. Preparer of natural foliage.

crop report, so look out for a large meeting, as Ed always has something new for the boys.

Sam Simmonds, gardener for the L. Z. Leiter estate, is laid up with blood poison, but it takes a whole lot to down a good one, so Sam is on the road to recovery.

Wm. Marche expects to leave the last of this month for Asbury Park to spend a few weeks. G. C. D.

Sedalia, Mo.

Business is quiet here at present. The weather is very dry and hot. There are some wedding and funeral orders, but the demand for bedding stock was cut short by dry weather.

The Archias Floral Co. is building two greenhouses 30x86½ feet and a display conservatory and palm house, 30x36 feet at the rear of the office.

HARTFORD, CONN.—John Ahlquist has severed his connection with A. N. Pierson, and is now foreman for Blatchley, the Meriden florist.

SPRINGFIELD, MASS.—The annual flower and vegetable exhibit of the Stockbridge Casino will be held July 18-19, two weeks later than last year, that the division of annuals may be more fully represented.

DORCHESTER, MASS.—The retail florist establishment of F. W. Holbrow has built up a high reputation as being able to furnish floral decorations of every description, special attention being given to weddings, parties, etc., and are noted for beauty and design.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

68 E. Randolph Street, Private Exchange to all Departments. Phone Central 7720. CHICAGO
Everything in Cut Flowers and Supplies.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids,
Peonies and Other Seasonable
Stock for Wedding Work

Long Distance Phone
Central 3598.

Kennicott Bros. Co.

Wholesale Cut Flowers

PEONIES

BEST NORTHERN GROWN STOCK.

163-165 N. Wabash Av.
CHICAGO

L. D. Phone Central 466

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO
ROSES and CARNATIONS
Our Specialties.

HOERBER BROS.

Wholesale **Cut Flowers**
Growers of

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., CHICAGO

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

ZECH & MANN

Wholesale Florists

30 East Randolph St., - - Chicago

Telephone, Central 3284.

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers at Lowest Market Prices. 30 E. Randolph St., CHICAGO

Mention the American Florist when writing

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, July 9.	Per doz.
Roses, Beauty, specials.....	\$4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 28-in.....	2 00
" " 15-20-in.....	1 25@ 1 50
" " 12-in.....	50@ 75
" " Short.....	Per 100
" Killarney.....	2 00@ 4 00
" White Killarney.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" Prince de Bulgarie.....	3 00@ 8 00
" Radiance.....	3 00@ 8 00
" My Maryland.....	3 00@ 8 00
" Melody.....	3 00@ 8 00
" Mrs. Jardine.....	3 00@ 8 00
" Lady Hillingdon.....	3 00@ 8 00
" Sunburst.....	3 00@ 8 00
Carnations.....	1 50@ 2 50
Daistes.....	1 00@ 2 00
Cattleyas..... per doz., 6 00 and up.	
Gardenias.....	2 00@ 4 00
Lilium Harrisii.....	10 00@ 12 50
Peonies.....	2 00@ 8 00
Valley.....	3 00@ 4 00
Sweet Peas.....	75@ 1 50
Adiantum Croweum.....	25
Boxwood..... per lb.	25
Ferns..... per 1000. 1 50@ 2 00	
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy..... per 1000. 5 00@ 6 00	
Plumous Strings..... each. 50@ 60	
Smilax..... per doz., 2 00@ 2 50	
Sprengeri, Plumous Sprays.....	3 00@ 4 00

Chicago Carnation Co.

Wholesale Florists.

30 E. Randolph St., Chicago
L. D. Phone, Central 3373.

Mention the American Florist when writing

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing

Wietor Bros.

Wholesale **CUT FLOWERS**
Growers of

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing



C.C. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
**Choice Cut Flowers
and Greens**

CANE STICKS.

	Per 100	Per 1000
4 to 6 ft. long	\$.40	\$3.00
6 to 9 ft. long	.60	5.00
(500 at 1000 rate.)		

GEO. H. ANGERMUELLER,
Wholesale Florist. ST. LOUIS, MO.

Philadelphia.

BUSINESS AT A LOW EBB.

The feature of the week was its holiday aspect; the week of the Fourth never does amount to much in a business way and this year very many of the large stores closed on Thursday night not to reopen until Monday following. A general exodus to out of town resorts was the result and business dropped to the lowest ebb of the year. The extremely hot weather has had a bad effect on the stock, but there was an abundance of fair quality for the light demand. "Eastern Beauties," many of them from the Hudson river district, are now the choice of the market and clean up well. My Maryland is the best pink and local Kaiserin is the best white for home consumption, but do not ship well. Carnations are failing fast and move slowly. Asters are coming and are a welcome addition. There is plenty of good valley and Easter lilies are carried by all the houses. Gladiolas, splendid flowers, are a feature. Sweet peas are on the wane, the extreme heat hastened their exit, heavy thunder showers on Friday and Saturday will save them for awhile.

NOTES.

The July meeting of the club was largely taken up with the National Flower Show, which may come here, three years hence. Much opposition has developed to the proposition to use one of the floors of the Wannamaker department stores for the purpose. A committee was appointed to look over all likely buildings and report next meeting, as to secure reservations in a building for two weeks two years is not too far to look ahead. Discussion of convention matters show that not very many have as yet made up their minds.

The Washington brethren are having trouble with the Sunday trade. They want to close for half a day. What is the matter with the capital? Take a leaf out of our book. No saloons open, no barbers open, no flower shops open. Orders taken for Sunday delivery are attended to by the men "on" for the day, whose only duty is to see to their delivery. No one stocks up for Sunday, no growers peddle their stock. One commission house is open from 9 to 11, then everything is closed and all put in a day of rest as each desires.

The Jos. Heacock Co. at Roelefs have added to their highly efficient plant a

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, July 9.		Per 100
Roses, Beauty, extra.....	16 00@25 00	
first	10 00@15 00	
Brides and Maids.....	3 00@ 8 00	
Killarney	4 00@ 8 00	
White Killarney.....	4 00@ 8 00	
Liberty	4 00@ 8 00	
Carnations.....	2 00@ 4 00	
Cattleyas.....	35 00@50 00	
Gardenias..... per doz., 1 00@ 2 00		
Lilium Harrisii.....	8 00@12 00	
Lily of the Valley.....	3 00@ 5 00	
Calla Lilies.....	6 00@ 8 00	
Marguerites.....	50 @ 75	
Snapdragons.....	4 00@ 6 00	
Sweet Peas.....	50 @ 75	
Water Lilies.....	3 00@ 4 00	
Gladiolus.....	3 00@ 6 00	
Asparagus..... per bunch, 50		
PITTSBURG, July 9.		Per 100
Roses, Beauty, special.....	25 00	
extra	15 00	
No. 1.....	8 00	
Killarney	2 00@ 8 00	
My Maryland	2 00@ 8 00	
Richmond.....	2 00@ 8 00	
Carnations.....	1 00@ 2 00	
Calla Lilies.....	12 00	
Daisies.....	1 00	
Cattleyas.....	50 00	
Sweet Peas.....	50	
Lilium Longiflorum.....	8 00	
Lily of the Valley.....	4 00	
Coreopsis.....	50	
Gladiolus.....	6 00@ 8 00	
Water Lilies.....	1 00	
Phlox.....	3 00	
Candy tuft..... per bus., 25c		
Asparagus Sprengeri, per bunch, 35@40		
Sprays..... per bunch, 35@40		
MILWAUKEE, July 9.		Per 100
Roses, Beauty, per doz., 3 00@4 00		
White and Pink Killarney.....	2 00@ 8 00	
Richmond.....	2 00@ 8 00	
Wards.....	3 00@10 00	
Tafts.....	3 00@10 00	
Mrs. Chas. Russell.....	6 00@15 00	
Carnations.....	1 00@ 2 00	
Easter Lilies.....	8 00@10 00	
Lily of the Valley.....	4 00	
Sweet Peas.....	75 @ 1 50	
Daisies.....	75 @ 1 00	
Peonies.....	4 00@ 5 00	
Asparagus..... per string, 50		
Sprengeri, per bunch, 35		
Ferns, fancy..... per 1000, \$1 50		

3-ton artificial ice machine. The use of this machine is divided between the cold storage plants of the greenhouse and the dairy. Two additional 150 h. p. boilers, new (nothing second hand goes here), are being installed.

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

Easter Lilies, Carnations, Sweet Peas,
all the popular roses. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist.

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones, Supplies and Everything in Season always on hand

Field - Grown Carnation Plants.

5000 Mrs. C. W. Ward,	Per 100 \$8.00	Per 1000 \$70.00	7000 Enchantress,	Per 100 \$7.00	Per 1000 \$60.00
10000 Alma Ward,	8.00	70.00	500 Rosette,	7.00	

Ready for delivery now or will hold them for you for future delivery. Send for complete list and prices or let us know what varieties you want.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

Mention the American Florist when writing

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Mention the American Florist when writing

This adds more than one hundred per cent to the steam producing power, which looks like another range of glass in the near future.

Edward Reid is much pleased with his committee's work in the relief fund for the western storm sufferers. A goodly sum which was subscribed has all been paid in and turned over to the national committee.

Easter lilies and American Beauties are leaders at the Niessen market. Field grown carnations are also a feature.

The M. Rice Co. are pushing their floral art pictures. They are up to date and artistic to a degree. K.

MOBILE, ALA.—Articles of incorporation were filed July 2, by the Bechtel Swarwout Horticultural Co., with capital stock of \$25,000.

MUNCIE, IND.—At a meeting of stockholders of the Williams & Clark Floral Co., held June 30, the following officers were elected for the ensuing year: Emory Baker, president and managing director; J. W. Longfellow, vice-president; and Clinton Stradling, secretary and treasurer.

APPLETON, WIS.—A suit is brought in municipal court here against Louis Otto, florist, of Neenah, for \$5,000 damages, by George Kampe, of Neenah, the result of an attack upon the latter in a Neenah saloon, May 5. The plaintiff was seriously stabbed in the abdomen, the outcome of the altercation.

SAN FRANCISCO, CAL. — Horticulturists from all parts of the world are writing for exhibit space, of the fifteen acres set aside for out-of-door exhibits, for the 1915 world's fair. The \$100 trophy has inspired the rose culturists in all parts of the world, and the display will, no doubt, be a remarkable one in unique creations in the gardening art.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, July 9.	Per 100
Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	10 00@15 00
" " No. 1.....	7 00@10 00
" " No. 2.....	2 00@3 00
" Maid and Bride.....	3 00@6 00
" Pink Killarney.....	3 00@7 00
" White Killarney.....	2 00@7 00
" Richmond.....	2 00@7 00
" My Maryland.....	2 00@7 00
" Aaron Ward.....	2 00@5 00
" Kaiserin.....	4 00@7 00
" Carnot.....	4 00@7 00
Soapdragon.....	2 00@3 00
Swainsona.....	75@1 00
Carnations.....	1 00@2 00
Lilium Longiflorum.....	6 00@10 00
Lily of the Valley.....	3 00@4 00
Pink Japan Lily.....	3 00@5 00
Mignonette.....	1 00@2 00
Daisies.....	1 00@1 25
Sweet Peas.....	20@ 50
Gladioli, indoor.....	4 00@6 00
Baby.....	3 00@4 00
Peas, outdoor, per bunch.....	10c
Asparagus, per bunch.....	35@ 50
Asparagus, Sprengerii.....	35@ 50
Ferns.....	per 1000, \$2 50

BOSTON, July 9.	Per 100
Roses, Beauty, best.....	15 00@20 00
" " medium.....	10 00@12 00
" " culls.....	2 00
" White and Pink Killarney, Special.....	6 00
" White and Pink Killarney, Extra.....	4 00@6 00
" Double White Killarney.....	10 00@12 00
" Killarney Queen Special.....	8 00@10 00
" Mrs. Chas. Russell.....	10 00@12 00
" Sunburst, Special.....	6 00@8 00
" Taft.....	2 00@8 00
" Cardinal.....	2 00@10 00
" Ward and Hillingdon.....	1 00@6 00
" Richmond.....	2 00@8 00
" My Maryland.....	2 00@8 00
Carnations, select.....	1 50@2 00
Cattleyas.....	25 00@40 00
Gardenias.....	12 00@25 00
Lilium Longiflorum.....	4 00@6 00
Lily of the Valley.....	2 00@3 00
Sweet Peas.....	50@ 75
Daisies, Marguerites, per doz.....	75@1 50
Peonies.....	75@1 00

CINCINNATI, July 9.	Per 100
Roses, Beauty.....per doz.,	\$1 00@3 00
" " Bride, Bridesmaid.....	2 00@6 00
" " Killarney.....	2 00@6 00
" " My Maryland.....	3 00@6 00
" " Perle.....	3 00@6 00
" " Richmond.....	2 00@6 00
" " Taft.....	2 00@6 00
Carnations.....	1 50@2 00
Lilium Giganteum.....	8 00@12 50
Gladioli.....	3 00@8 00
Asparagus Plumosus.....per bunch,	25
Soapdragon.....	3 00@6 00
Pond Lilies.....	2 00@3 00



Give Us a Trial We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

Jobbers of **FLORISTS' SUPPLIES,**
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO

Wholesale CommissionFlorist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

St. Louis, July 9.	Per 100
Roses, Beauty, medium.....	8 00@15 00
Roses, Beauty, short stems.....	3 00@5 00
" " Killarney.....	2 00@5 00
" " My Maryland.....	2 00@5 00
" " White Killarney.....	2 00@5 00
Carnations.....	1 00@2 00
Valley.....	4 00
Daisies.....	20@ 50
Sweet Peas.....	20@ 50
Asparagus Sprengerii.....	2 00@3 00
Asparagus Plumosus, per bu.....	35@60
Ferns, New, Fancv.....	1 50
Galax.....	per 1000, 1.25

New York.

BUSINESS VERY SLOW.

Business was very slow during the past week, as will be readily understood. While the heat has not been "killing," it has been warm enough to turn the thoughts of the multitude to beaches and other resorts, and to cool drinks, rather than to flowers. Necessarily, in a great city like this, funeral work, steamer orders and a limited counter trade keep something doing, but taking account of July 4 falling on Friday and the large number of people who left the city for that day and the remainder of the week, business was very lean.

JULY 7.—Business is almost at a standstill this morning. There was a great exodus from the city for July 4th and as many of the leading business houses closed for both Friday and Saturday, all lines are somewhat upset and forgetful of flowers, are working hard to regain lost ground. Weather partly cloudy and delightfully cool.

NOTES.

All the leading firms in the wholesale district closed their stores on Sunday, July 6, and kept them closed. There were one or two that claimed they had to keep open for a short time to receive shipments. There were one or two others who kept open for the apparent reason that they think it "smart" to try and defeat this movement, which is for the good of all branches of the trade. The pioneers, the men of brains and enterprise in the wholesale business, are to a man for Sunday closing, and we are satisfied that they will not be deterred in their resolution to put it in force by the stubbornness of a few dense minds.

A violent electric storm, with rain, broke over this city between 1 and 2 p. m. July 5, lasting for half an hour. Many buildings were struck by lightning. At Greenwood cemetery, Brooklyn, Charles Haynes, Stanley Yonkers and Philip Sullivan, gardeners employed by James Weir, the florist of Fifth avenue and Twenty-sixth street, were at work, and took refuge under a tree. They were struck by lightning and Haynes, 53 years old, was instantly killed, and Yonkers seriously injured.

Mrs. L. A. Hauser, wife of L. A. Hauser, a well-known dealer in asparagus and smilax, returned on July 1, from an eight weeks' trip, which included Havana, Cuba, and other southern points. She first visited her son, Lieut. J. N. Hauser, of the 5th U. S. Field Artillery, stationed at Fort Sill, Okla., going from there to Havana. The trip was principally for her health, and she returned greatly improved.

Harry Bunyard, secretary of the American Sweet Pea Society, who recently returned from Boston, where he went to arrange the preliminaries for the exhibition to be held July 12-13, is enthusiastic relating to the prospects for a fine show. He expects 5,000 vases of sweet peas will be staged.

W. Atlee Burpee, wife and family sailed for Europe July 5 on the liner Minnetonka. On the dock they were waved adieu and bon voyage by Harry Bunyard and other friends. Mr. Burpee had previously sent a check for \$145.00 for prizes and guarantee for sweet pea show.

The "Big Father" of 28th street is in excellent health and never looked better. He hopes to see his many friends at Minneapolis.

The outing of the Greek-American Florists' Association will take place on Wednesday, July 9, and a good time is expected.

A BRIDAL BOUQUET THAT IS DIFFERENT

from the ordinary — an arrangement that is entirely original with Penn's floral artists.

Penn's Shower Bouquet

is a masterful arrangement of lilies of the valley, ferns and dainty gauze ribbons, that combines beauty, refinement and simplicity

Made to \$8
Order at 8

OTHERS AT \$10 AND \$15

The Prize Winner at Floral Exhibits
Everywhere



Flowers Telegraphed to All Points in the United States

Penn. *The Florist*

43 Bromfield Street

Telephones 838-839 Fort Hill

The above ad is one of a series of paid ads that Penn the Florist of Boston is publishing weekly, alternating in the three florists' papers, to become better acquainted with the Florists of the country. These ads have been published daily in the different Boston papers. Any Florist desiring to use same in their home towns, may do so without further consent. These ads have been the means of establishing our present great volume of business.

J. Reynolds, of the Guttman Flower Growers' Co., has gone to the mountains for a two weeks' vacation.

A. F. F.

Newport, R. I.

FLOWERS AND FASHIONS.

The flower show seems to have opened the fashionable season, and well it might, for it was well attended by the beauty and fashion of the summer colony. In visiting Newport one may well wonder why as a summer resort it should be deserted for less desirable places where the chief industry is "skinning" visitors. Nature and art, largely landscape art, have combined forces and made Newport an ideal summer resort. Its picturesque capes and headlands have been adorned with fine mansions surrounded by the finest efforts of the gardeners. The sea, the sky, the earth are all propitious to health and the enjoyment of life. Add to all this the "bonhomie" of all classes of citizens and there seems little more to be desired.

NOTES.

The visitor to Newport who patronizes horticultural activities and everybody seems to be doing it now, should not fail to call on James McLeish, 39 Roseneath avenue. Mr. McLeish established himself in Newport in 1872. He came from Roseneath, Scotland, and in his honor the city fathers created Roseneath avenue.

At present, and in the past, his principal business is growing hot house grapes, peaches and nectarines, and each season he grows them by the ton. He has now both grapes and nectarines that will be ready for market in a very short time. Mr. McLeish is a fine example of a man who knows his business and attends to it.

H. J. Haas is very active in growing both flowers and vegetables. He has a very neat retail flower store on Thames street which is cared for by his sons, he devoting most of his time to his garden and greenhouses.

William Jurgens is pushing work on his new dwelling house, and at the same time cutting large quantities of lily of the valley and sweet peas.

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NEW YORK

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OFFICIAL

S. A. F.

Shipping Labels



S. S. Pennock-Meehan Co.

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109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.



FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago

Ralph Armstrong, of New York, has his new store open, and is doing business.

A. F. F.

New York Florists' Club Outing.

The thirteenth annual outing of the club was held at Witsel's Point View Grove, College Point, N. Y., on July 1. There were the usual games and races, a breakfast and dinner. The party was taken to the point and returned by the steamer Isabelle. The attendance, while fair, was much smaller than it has been on previous years.

Prize Drawings, for two vases, silk umbrella and silk parasol—1, Miss Wittman; 2, Mrs. Powell.

Ladies' Bowling (open to members only), special prize, hand embroidered centerpiece—Mrs. Hornecker.

Ladies' Bowling (open to all ladies), prizes \$7, \$6, \$5, \$4, \$3, \$2, \$1—1, Miss Iler; 2, Mrs. A. Schmutz; 3, Mrs. Phillips; 4, Mrs. Cerebelli; 5, Miss L. Wittman; 6, Mrs. Chadwick; 7, Mrs. Georgie.

Five Youngest Babies, prizes 5 dolls—1, Geo. Cotsonas, Jr.; 2, Bruce Birnie; 3, Muriel Powell; 4, Raymond Schwarz; 5, Evelyn Voeke.

Oldest Lady, prize \$5—Mrs. Jervis.

Children's Race, girls and boys under 5 years, 50 ft., prizes \$3, \$2, \$1—1, Harry Phillips; 2, Edw. Einsmann; 3, Mary Michal.

Girls' Race, 6 years, 25 yds., prizes \$3, \$2, \$1—1, Emily Schlichting; 2, Anna Weber; 3, Martha Schmutz.

Girls' Race, 7 to 8 years, 35 yds., prizes \$3, \$2, \$1—1, Rose Smith; 2, Mabel Jacobson; 3, Elizabeth Weber.

Girls' Race, 9 to 11 years, 50 yds., prizes \$3, book, \$1—1, Marlon Traendly; 2, Gertrude Schuneman; 3, Genevieve Einsmann.

Boys' Race, 8 to 9 years, 60 yds., prizes \$3, \$2, \$1—1, Francis Einsmann; 2, Geo. Voeke; 3, Sidney Chadwick.

Boys' Race, 6 to 7 years, 35 yds., prizes \$3, \$2, \$1—1, Philip Kessler, Jr.; 2, Wm. Einsmann; 3, Chas. Traendly.

Boys' Race, 10 to 12 years, 50 yds., prizes \$3, \$2, \$1—1, Jos. Walter; 2, Chas. Miesem; 3, Louis Nicquet.

Boys' Race, 13 to 14 years, 200 ft., prizes \$3, \$2, \$1—1, Geo. Walter; 2, H. Jacobson; 3, L. Einsmann.

Girls' Race, 12 to 14 years, 50 yds., prizes \$3, book, \$1—1, E. Schmutz; 2, Kathryn Miesem; 3, Agnes Kessler.

Girls' Race, 15 to 17 years, 200 ft., prizes \$3, \$2, \$1—1, Ellen Hughes; 2, Margaret Miesem; 3, Margaret Weber.

Boys' Race, 15 to 17 years, 200 ft., prizes \$3, \$2, \$1—1, P. J. Walter, Jr.; 2, P. Einsmann; 3, P. Beurlein.

Girls' Race, 18 to 20 years, 200 ft., prizes \$3, \$1.50, \$1—1, Miss Jean Birnie; 2, Miss Helen Erhardt; 3, Miss Eleanor Reich.

Young Men's Race, 18 to 20 years, 100 yds., prizes \$3, \$2, \$1—1, Edw. Manda; 2, J. Devir; 3, Arthur Weston.

Potato Race, girls under 16—1, Barbara Miesem; 2, E. Schmutz; 3, Dorothy Thord.

Potato Race, boys under 16—1, Philip Kessler, Jr.; 2, Chas. Miesem; 3, Louis Nicquet.

Potato Race for Unmarried Ladies, prizes \$3, \$2, \$1—1, Miss Birnie; 2, Miss Hughes; 3, Miss Leach.

Potato Race for Married Ladies, prizes \$3, \$2, \$1—1, Mrs. F. Smith; 2, Mrs. Hoyt; 3, Mrs. Frazer.

Married Ladies' Race, 50 yds., prizes \$5, \$3, \$2—1, Mrs. Engelking; 2, Mrs. Handel; 3, Mrs. Hoyt.

Unmarried Ladies' Race, 21 years and over, prizes \$3, \$2, \$1—1, Miss Annie Birnie; 2, Miss Leonora Kessler; 3, Miss Eleanor Reich.

Growers' Race, over 50 years, 200 ft., prizes 25 ft. Revco Hose, \$3, 1 putty machine—1, Frank Nicquet; 2, John Donaldson; 3, Peter Beurlein.

Growers' Race, under 50 years, 200 ft., prizes ditto above—1, John A. Kennedy; 2, Jas. Smith; 3, John Birnie.

Race for Retail Florists and Employees, 100 yds., prizes \$5, \$3, \$2—1, Arthur O'Leary; 2, Raymond Regan; 3, J. A. Kennedy.

Men's Race for members only, 100 yds., prizes \$5, \$3, \$2, 1 putty machine—1, Ed. Manda; 2, A. Demeusy, Jr.; 3, Alex. Donaldson; 4, Wm. A. Phillips.

Race for Wholesalers only, 75 yds., prizes \$5, \$3, \$2—1, Phil. Kessler; 2, Jos. Voeke; 3, J. R. Kervan and A. J. Guttman.

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

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Wholesale Flower Markets

NEW YORK, July 9.	Per 100
Roses, Beauty, special.....	3 00@10 00
.. extra and fancy ..	50@ 1 00
.. No. 1 and No. 2 ..	50@ 1 00
.. Killarney, My Maryland.....	5 00@ 6 00
.. special.....	3 00@ 4 00
.. extra ..	25@ 1 00
.. No. 1 and No. 2 ..	25@ 1 00
.. Queen, special.....	7 00@ 8 00
.. Red, special.....	5 00@ 6 00
.. Hillingdon, Aaron Ward.....	5 00@ 6 00
.. Richmond.....	50@ 6 00
.. Sunburst, special.....	5 00@ 6 00
.. Taft, special.....	50@ 6 00
.. Mrs. Geo. Sawyer, special.....	5 00@ 6 00
Carnations.....	75@ 1 00
Cattleyas.....	25 00@40 00
Gardenias.....	5 00@15 00
Lilies, Longiflorum and Harrisii ..	1 00@ 2 00
Lily of the Valley.....	2 00@ 2 50
Gladiolus.....per doz.....	50@ 75
Sweet Peas.....per doz. bunches. 25	
.. Spencer type, per doz.	
.. bunches.....	30@ 40
Adiantum Crenatum.....	15@ 50
Asparagus Plumosus.....doz. bchs.	1 50@ 2 00
Smilax.....per doz. strings.....	1 00@ 1 25
Stocks.....per bunch, 20c@25c	
Snapdragons.....per doz.....	20c@25c

Race for Employees of Wholesalers, 100 yds., prizes \$3, \$2, \$1—1, Paul A. Rigo; 2, W. T. Iler, Jr.; 3, Jack Sternberg.

Fat Men's Race, 200 lbs. and over, 50 yds., prizes \$5, \$3, \$2—1, Jos. Manda; 2, F. Smith; 3, J. P. Jaack.

Seedsmen's Race, 100 yds., prizes \$5, \$3, \$2—1, Jos. Manda; 2, D. Boylan; 3, A. Kakuda.

Men's Race, 50 years and over (growers excepted), prizes \$5, \$3, \$2—1, P. Walter; 2, H. Cadieu; 3, E. W. Holt.

Ladies' Race, over 25 years, married and unmarried, prizes \$5, \$3, \$2—1, Agnes Birnie; 2, Marjorie Birnie; 3, Mrs. Engelking.

Race for Growers' Employees, 50 yds., prizes \$3, \$2, 1 putty machine—1, Edw. Manda; 2, A. Demeusy, Jr.; 3, Alex. Donaldson.

Three-Legged Race, 25 yds., prizes \$3, \$2, \$1, 1 putty machine—1, P. J. Walter, Jr., and J. G. Devir; 2, H. Jacobson and L. Einsmann; 3, Handel and Manda; 4, Regan and O'Leary.

Baseball Game, Married vs. Single Men, 5 innings, prizes 10 bottles of wine—Single Men, 4-0.

Prize for Largest Family at Outing, \$5—Mrs. Einsmann.

Oldest Gentleman, prize \$5—F. A. Bolles.

Men's Race, open to all, 21 years and over, ¼ mile, prizes \$5, \$3, \$2—1, John Engelking; 2, Ed. Devir.

Baseball Throwing Contest, prize baseball mask, league ball, bat—1, W. T. Iler, Jr.; 2, Ed. Devir; 3, F. Smith.

Prize Bowling (for members of the press), prizes \$5, \$3, \$2—1, J. R. Lewis; 2, J. A. Shaw; 3, J. H. Pepper.

Men's Bowling (press members excepted), prizes \$7, \$6, \$5, \$4, \$3, \$2, \$1—1, F. Sheehan; 2, R. J. Irwin; 3, Jos. Voeke; 4, F. H. Traendly; 5, A. J. Guttman; 6, John Engelking; 7, A. G. Handel.

Prize Waltz, best couple, prize \$5, Miss L. Wittman and Mr. Nevins.

Wheelbarrow Race for men over 50 years, prizes \$3, \$2, \$1—1, R. H. Kingston; 2, P. J. Smith; 3, J. A. Shaw.

Wheelbarrow Race for Ladies, prizes \$3, \$2, \$1—1, Mrs. Frazer; 2, Miss Annie Birnie; 3, Mrs. Phil. Kessler.

Special ¼ Mile Race for Men, prizes \$3, \$2, \$1—1, P. J. Walter; 2, J. Devir; 3, Engelking.



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WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses.

Violets, Carnations, Valley, Lilies, Etc.

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Telephones: 2200 and 2201 Madison Square.

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Successor to Kessler Bros.

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WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.

Prompt and satisfactory. Consignments solicited

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Open for Cut Flower Sales

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Desirable wall space to rent for advertising.

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A. J. GUTTMAN, President.

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Removed to 102 W. 28th St., New York

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The Kervan Company

FRESH CUT EVERGREENS

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Trade, at Wholesale.

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FLORIST SUPPLIES THAT EXCEL.

OUR "WILLING HELPER" KATALOG DESCRIBES THEM.
1220 Race Street, PHILADELPHIA, PA.

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Asstd. sizes, Medium and Large,
\$7.00 per 100.

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Remedies
and
Supplies

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1 1/4 inch.....45c per 100
1 ".....40c " "
3/4 ".....35c " "

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1220 Stowe St.,
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Willow-Art and
Fancy Basket Maker

Over 20 years
practical experience.
All kinds of
Flower Baskets, Jar-
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Boxes, Vases, Novel-
ties, Etc. Any color,
with or without metal
lining. Write for sam-
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George Cotsonas & Co.
Wholesale and Retail Dealers

in all kinds of
Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
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SPHAGNUM MOSS. FANCY CUT FERNS.

Get our prices before you place your orders.

H. ALLEN & CO.

Tomahawk, Wisconsin.

Baskets

Newly imported stock from our large fac-
ories in Germany. Largest and finest assort-
ment in the United States. Send for a \$5.00
or \$10.00 assortment, our selection, and we
will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,

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Sphagnum Moss Headquarters

FULL SIZE BALES, CLEAN STOCK,
NEW BURLAP

TRY A SAMPLE ORDER AND COMPARE WITH
WHAT YOU ARE GETTING

VAUGHAN'S SEED STORE,
CHICAGO.



Do Not Take Any Fake Green Thread. Use the
Genuine Silkline and Get More Thread
and Less Wood.

The MEYER Green

SILKALINE

Used by Retail Florists for mossing funeral
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The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it
will not fade or rot in the greenhouse. The Meyer
Silkline was the first green thread to be introduced
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name—Meyer's Silkline—to be sure of getting the
genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the
manufacturers. Price for any size or color, \$1.25 per
lb. Sizes "F" fine, "FF" medium, and "FFF" coarse

Lowell Thread Mills, 1495 Middlesex St., Lowell, Mass.

JOHN C. MEYER THREAD CO.,
Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....50-pound cases \$5.00
Wild Smilax, always on hand.....\$1.00 per 100; \$7.50 per 1000
Leucothoe Sprays, Green.....per pound 20c; 50-pound case, \$7.50
Boxwood.....\$1.75; 6 baskets, \$1.50 each
Magnolia Leaves. Imported Green and Bronze. Basket.....\$2.00 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

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All phone connections.

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MOSS

We have a surplus of 12 barrel bale New Jersey
Moss, clean, fresh and burlapped, and will deliver
anywhere in Chicago, express prepaid, at \$5.00 per
bale, 2 or more bales at \$4.75. By freight collect
at 25c per bale less. Satisfaction guaranteed or
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KLEHMS' NURSERIES, Arlington Heights, Ill.

H. BAYERSDORFER & CO.



**Florists'
Supplies.**

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

New Crop **Fancy and Dagger Ferns**
Huckleberry Foliage now ready.

Price, Huckleberry, \$2.00 per case; Fancy Ferns,
\$1.25 per 1000; Dagger Ferns, \$1.10 per 1000.

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Everything in Southern Evergreens
EVERGREEN, ALABAMA.

HUCKLEBERRY FOLIAGE \$2.00 per case

FANCY FERNS, \$1.25 per 1000

DAGGER FERNS, \$1.10 per 1000

Perpetuated and Natural Sheet Moss.

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Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

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"WILSON"

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Greenhouses: Short Hills, N. J.

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Terre Haute, Ind:

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We are in position to fill promptly all Mail,
Telephone, Telegraph and Cable orders with
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Largest and most centrally located store in the
city. All orders given prompt attention.



Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

July 13.

FROM MONTREAL, Ionian, Allan.

July 15.

FROM MONTREAL, Royal Edward, Canadian Northern.

FROM BOSTON, Cymric, White Star, 8 a. m.

Moltke, Ham.-Amer., 3 p. m.

New Amsterdam, Holland-America, 10 a. m.

Kaiser Wilhelm der Grosse, North Ger. Lloyd, 10 a. m.

Madawaska, Houston.

Strath, Lloyd Brasileiro.

Ribston, Barber.

July 16.

Caronia, Cunard.

President Grant, Ham.-Amer., 9 a. m.

Argentina, Austro-American, 1 p. m.

Caracas, Red "D," noon.

July 17.

FROM MONTREAL, Virginian, Allan.

Adriatic, White Star, 12 noon.

La Lorraine, French, Pier 57, North River.

Uranium, Uranium.

Hellig Olav, Scand.-Amer., 2 p. m.

Northern, Norton.

Magdalena, Royal Mail.

July 18.

New York, American, 10 a. m., Pier 62, North River.

FROM PHILADELPHIA, Manitou, Red Star, 10 a. m.

Maracas, Trinidad.

July 19.

FROM MONTREAL, Hesperian, Allan.

Columbia, Anchor, 9 a. m., Pier 64, North River.

Calabria, Anchor, Pier 64, North River.

Finland, Red Star, 10 a. m.

Oceanic, Red Star, 12 noon.

FROM BOSTON, Canopic, White Star, 11 a. m.

FROM MONTREAL, Megantic, White Star, 10 a. m.

FROM MONTREAL, Ansonia, Cunard.

Ultonia, Cunard.

Niagara, French, Pier 57, North River.

FROM MONTREAL, La Touraine, French.

FROM MONTREAL, Letitia, Donaldson.

Imperator, Ham.-Amer., 10 a. m.

Madonna, Fabre, 3 p. m.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

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TELEGRAPH ORDERS forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

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Western Union Code.

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Montreal

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Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Mention the American Florist when writing

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Telephone 2065-2066 Madison Square.

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To out-of-town florists

We are in the Heart of NEW YORK

And give special attention to steamer and theater
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stock in the market.

Dallas, Texas.

**The Texas Seed and
Floral Company**

Orders for cut flowers and designs solicited for
delivery in any part of Texas.

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Buffalo, Niagara Falls, Lockport.

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Mail, Telephone and Telegraph orders filled
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POEHLMANN BROS. CO.

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CUT FLOWERS. ORCHIDS CATTLEYAS ORCHIDS

Best shipping flower, best keeper and best all-around summer flower for all occasions. We are cutting large quantities now so take advantage of the market and don't wait until they are scarce.

FOR THE SUMMER MONTHS we will have a continuous supply of first-class Roses and Carnations. While you are replanting and getting your place in shape get your supply from us. We are now cutting good supply of Milady, Sunburst, Russell, Killarney Queen, Bulgarie, Aaron Wards, Killarney, White Killarney, Richmonds; Valley, Easter Lilies, Carnations, Am. Beauties. Roses are cut tight in bud during hot weather. SATISFACTION GUARANTEED.

Adiantum = Ferns = Galax = Sprengeri = Plumosus

NOTICE: The Chicago Post Office does not deliver mail between One o'clock on Saturday and Monday morning. Mail orders for shipment during the Summer that cannot reach us before noon Saturday should be wired. We earnestly advise Night Letter Telegrams or Special Delivery where shipment should be made Saturdays or Sundays. Our City Store will close during July, August and September at 5 p. m. week days and noon on Sundays and Holidays.

Get Our New Supply Catalog.

It will be ready for mailing July 15th. Wait for it before placing your fall order elsewhere. In the meantime if you want wire designs our Discount will be 35 per cent for orders taken during July. On Wheat Sheaves, we shall allow 15 per cent during this month.

Greenhouse Paint
Greenhouse Putty
Greenhouse Hose
Liquid Putty
Glazing Points and Brads
Daylight Cleaner
A Postal Will Bring Our Catalogue To You. Write Now.

CLEARANCE SALE.

Best Grafted Rose Stock.

Pink Killarney, White Killarney, Mrs. Aaron Ward, Prince de Bulgarie, \$110.00 per 1,000; \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1,000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill.

Supreme Quality Own Root Stock.

Melody, \$5.00 per 100; \$45.00 per 1,000. Richmond, 2½-in., \$4.00 per 100; \$35.00 per 1,000.

BIG CHRYSANTHEMUM BARGAIN

20 per cent reduction on 2½ inch stock of the following varieties:

PINK
Patty..... 2½-in. per 100 Per 1000
\$4.00 \$35.00
Beautiful Enchantress Pink, fine strong grower, (3½-in., per 100, \$5.00)
Unaka..... 2½ in. per 100 Per 1000
\$5.00 \$45.00
Earliest Pink, first week of October.

YELLOW
Comoleta..... 2½-in. per 100 Per 1000
\$4.00 \$35.00

Best Early Yellow, Blooms September 27.

When ordering deduct 20% from advertised prices in the above three varieties of Chrysanthemums only. Our unlimited facilities for handling immense quantities enables us to make this cut in prices without reducing the well-known quality of our extra fancy stock.

Only a small surplus of the following varieties in 2½-in. stock left so let us have your order as early as possible:

WHITE	2½-in. per 100	2½-in. per 1000	PINK	2½-in. per 100	2½-in. per 1000
W. H. Chadwick.....	4 00	35 00	McNiece.....	3 50	30 00
YELLOW			Maud Dean.....	3 50	30 00
Halliday.....	3 00	25 00	Dr. Enguehard.....	3 50	30 00
Golden Chadwick.....	4 00	35 00	BRONZE		
			O. H. Kahn.....	5 00	

We can supply large quantities of the above

Another Big Reduction.

YELLOW	Kentia	Skibo	BRONZE	M. D. LaPort	Beau	SINGLES	PINK	Mrs. John Fisher	Single Pink
Kentia	Madge	Baby	PINK	Dark Pink		YELLOW	Gertrude Wilson		
West Lake	Quinola		RED	La Gravera		WHITE	Ida Kroeschell—This is a single		
Waco	Lula	Menso				Kemmit	Anemone		
						Grace Burke	Dark Single Bronze		

POMPON CUTTINGS—CHOICE STOCK, \$20.00 per 1000.

Decorative Plants.

Kentias Belmoreana and Forsteriana, immense stock of perfect plants in all sizes from 4-in. to 10-in. plants, at prices ranging from \$4.50 per dozen to \$15.00 each, according to size.
Cocos Weddelliana, 2½-in., \$15.00 per 100.
Grevillea Robusta, strong, 2½-in., \$3.00 per 100; \$25.00 per 1000.
Smilax, extra strong new stock, twice topped, 2½-in., \$3.00 per 100; \$25.00 per 1000; strong 3-in., \$5.50 per 100; \$50.00 per 1000.
Asparagus Sprengeri, 2½-in., \$3.00 per 100; \$25.00 per 1000. 3-in., \$5.00 per 100; \$45.00 per 1000.
Asparagus Plumosus Nannus, 2½-in., \$3.50 per 100; \$30.00 per 1000; 3-in., \$6.00 per 100; \$55.00 per 1000. 4-in., \$12.00 per 100; extra strong, 4-in., \$15.00 per 100.
Aspidistra, green and variegated, about 10 to 15 leaves per plant, variegated, 15c per leaf; green, 10c per leaf.
Primula Obconica Grand., strong, 2½-in., \$3.50 per 100; \$30.00 per 1000; 4-in., \$8.00 per 100.

Primula Obconica Gigantea, strong, 2½-in., \$3.50 per 100; \$30.00 per 1000; 4-in., \$8.00 per 100.
Ficus Pandurata, strong, 6-in., \$3.50 each.
Pandanus Veitchii, highly colored, 6-in., \$1.00 to \$1.50 each; strong, 7-in., \$2.00 each.
Umbrella Plants, ready to shift, 2½-in., \$3.00 per 100; 3-in., \$5.00 per 100.

Berried Plants

Jerusalem Cherries for field planting, strong, 2½-in., \$3.00 per 100; \$25.00 per 1000.
Cherries, Fra Diavola, 2½-in., 3.00 per 100
Cluster Peppers, strong, 2½ in., \$3.00 per 100.
Celestial Peppers, an indispensable Xmas plant, strong, 2½-in., \$3.00 per 100; \$25.00 per 1000.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.

For Wisconsin Delivery

—OF—

"HOME GROWN FLOWERS"

Get in touch with

J. E. Matthewson

SHEBOYGAN, WISCONSIN

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

Boston, Mass.



"Penn, The Telegraph Florist"

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
California Florists, Tacoma, Wash.
Clark's Sons, New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Heinl & Son, J. C., Terre Haute, Ind.
Hess & Sroboada, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthewson, J. E., Sheboygan, Wis.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Nicholas, John S., New York.
Ostertag Bros., St. Louis.
Palez, Paul M., Little Rock, Ark.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pelicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Phillips Bros., Newark, N. J.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Portland Flower Store, Portland, Me.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller, The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Weber, Fred C., St. Louis.
Weber, F. H., St. Louis, Mo.
Wills & Segar, London, England.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Witthold, Geo., Co., 737 Buckingham Pl., Chicago.
Witthold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON
D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Indianapolis, Ind.

Bertermann Bros. Co.
FLORISTS

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

The Park
J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

PELICANO, ROSSI & CO.,

123 KEARNY ST.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

FRED C. WEBER

SELLING FLOWERS
40 YEARS

4326-28 Olive Street

Notice initials—we have one store only.

Member Florists' Telegraph Delivery Association

ST. LOUIS, MO.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Mention the American Florist when writing

Portland, Maine.

Floral Designs and
Choice Cut Flowers

Portland Flower Store

631 Congress St.

Mention the American Florist when writing

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs.
Pleasant Hill, Mo. Wedding and Birthday Gift.
that may be entrusted to them

Mention the American Florist when writing

Pittsburg, Pa.

A.W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE

Washington, D. C.

Blackistone

14th and H. Street.

Boston, Mass.

Send flower orders for delivery in

Boston and all
New England Points

To THOS. F. GALVIN, Inc.,

124 TREMONT ST.

Mention the American Florist when writing

City Index to Retail Florists'
Filling Telegraph Orders.

Albany, N. Y.—Eyes, 11 N. Pearl St.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Mangel, 17 E. Monroe St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 58 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Paul M. Palez.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio—Chas. A. Duerr.
Newark, N. J.—Phillips Bros.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—John S. Nicholas.
New York—Young & Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Portland, Me.—Portland Flower Store.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Sheboygan, Wis.—J. E. Matthews.
St. Louis, Mo.—Ostertag Bros.
St. Louis, Mo.—Fred C. Weber.
St. Louis, Mo.—F. H. Weber.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellecano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Heini & Sons.
Tacoma, Wash.—California Florists.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Blackistone.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones:
1552-1553 Columbus Choice Cut Flowers.

San Francisco

Podesta & Baldocchi

224 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES
FLORIST,

Prompt and careful attention to orders from out
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

The Cleveland Cut
Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West
Jefferson and Washington Ave.

Albany, N. Y.

EYES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best
Dunlop's

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in Wisconsin

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

ST. LOUIS, MO.

ORDERS TAKEN FOR

FLOWERS

DELIVERED TO ALL PARTS OF THE COUNTRY.
SPECIAL CARE, SELECT AND ARTISTIC WORK.

F. H. Weber

Member of Florists' Telegraph Delivery

Boyle and Maryland Ave.

Both Long Distance
Phones.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of

GEORGE ASMUS, Mgr

Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Little Rock, Ark.

PAUL M. PALEZ,
FLORIST,

409 MAIN STREET.

All orders carefully filled and delivered to all parts
of the city. Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heint)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

Newark, Ohio.**CHAS. A. DUERR.**

Member of Florists' Telegraph Delivery.

Louisville, Ky.

F. Walker & Co.,
FLORISTS

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

Poughkeepsie, N. Y.

The Saltford Flower Shop.

Hot weather orders are handled successfully.

New York.

MYER, FLORIST, 609-611 Madison Ave
Phone 5297 Plaza.

Mamaroneck, N. Y.

It is a pleasure to visit growers who are equipped for doing business and know how to do it. Calling recently on G. E. Baldwin & Co., orchid growers and importers, Mamaroneck, N. Y. we found a range admirably adapted to their purpose and one that, we may add, has been erected with an eye single to results. In one large lean-to house 50x125 feet we found thousands of orchid plants, all in fine condition. There are other smaller houses filled with orchids of all varieties and all showing evidence of the most intelligent care in growing and handling. This firm, of which G. E. Baldwin, a very clever and capable young man, is the head, will just as cheerfully sell plants as flowers. We believe that the importation and sale of plants is the leading feature in their business, but there are always flowers to be disposed of. They are handled by James McManus of Twenty-eighth street, New York city.

The Baldwin greenhouses, which were erected by the Lord & Burnham Co., are as fine and as substantial as we have ever seen. The walks throughout the range are of concrete and where it is necessary there are adjustable lattice shades for the glass. The office is a large and finely equipped and furnished room, better than that of many a metropolitan business house of great pretensions. This firm ships orchid plants to all parts of the country and is constantly extending its business. The range can be reached from Larchmont Manor station on the New York, New Haven & Hartford railroad or by trolley line from New Rochelle, N. Y., or Stamford, Conn.

A. F. F.

TOLEDO, O.—C. W. Mordoff, E. D. Moore, A. J. Sperber and others have incorporated the Maumee Greenhouse of this city, with a capitalization of \$15,000.

BOZEMAN, MONT.—More sweet peas are being grown in this vicinity this season than ever before. It is estimated that the acreage is close to 20,000.

In the Heart of New York
NEW FLOWER AND FRUIT STORE
JOHN S. NICHOLAS
42nd St. and Park Avenue New York City
Grand Central Terminal

The Old Established High Class Florist

Has opened a magnificent flower and fruit establishment on the Forty-second street side of the New Grand Central Terminal, New York City. The facilities of this store for the satisfactory execution of mail, telephone and telegraphic trade orders at steamers, and elsewhere in New York City and its suburbs are unsurpassed.

PHILIPS BROS, 938 Broad St.**NEWARK N. J.**

Artistic Floral Work and Long Stem
Beauties Our Specialty.

Los Angeles, Calif.

Wolfskill Bros. and
Morris Goldenson

Cnt Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

New Orleans—**CUT FLOWERS**

Delivered for Louisiana, Mississippi.

Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
CANAL ST.

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Tacoma, Wash.

California Florists

will take care of all telegraphic orders.

Michigan.

Orders will be carefully
cared for by**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Nashville, Tenn.

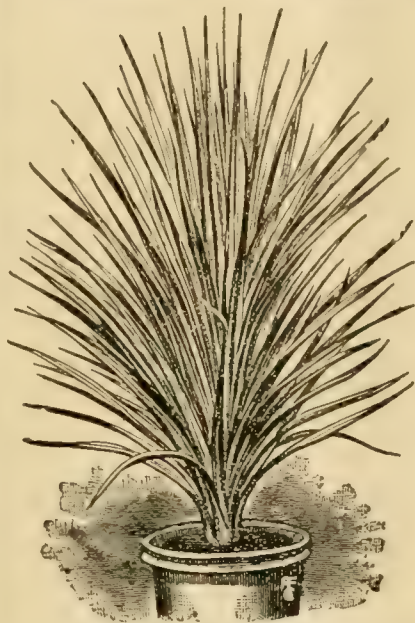
Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

BAY TREES, BOXWOODS, PALMS

Select What You Need From This List and Let Us Have Your Order as Early as Possible. This Stock is of Fine Quality and Sure to Give Satisfaction.



DRACAENA INDIVISA

2-in., \$3.00 per 100; 3-in., \$5.00 per 100; 4-in., \$12.00 per 100; 5-in., \$3.00 per dozen, \$20.00 per 100; 6-in., \$6.00 per doz. 8-in., \$1.00 to \$1.50 each.

BOSTON FERNS.

6-in. pots, \$6.00 per doz.; 7-in. pots, \$9.00 per doz.; 8-in. pots, \$12.00 per doz. Boston and White-manli, 3-in., strong stock, \$3.00 per 100.

Boxwoods.

Obelisk, 5-ft.....	Each, \$12.00
Globe Shaped -	
12-15-inch.....	Each, \$2.00 to 2.50
Globular, 3 ft.....	Each, \$3.00
Pyramidal, 5 ft.....	Each, 5.00 and 6.00

Boxwoods—Standard.

20 24 crown.....	Each, \$3.50
24-0	" 5.00
36-40	" 8.00

MISCELLANEOUS

Aucuba, large.....	Each, \$3.00 to \$3.50
Aucuba Japonica, 2-ft.....	1.00
Aucuba Type, 2-ft.....	" 1.00
Conifers, assorted, 18-24-in.....	1.00
3-3 1/4-ft.....	1.50

Araucaria Excelsa—	Each	Doz.	Per 100
2-3 tiers.....	\$.50		
3-4 tiers.....	.75		
6-in., 4-5 tiers.....	1.00	\$12.00	
7-in., 4-5 tiers.....	1.50	18.00	

Areca Lutescens—	Each	Doz.	Per 100
3-in., 3 plants in a pot	1.50	2.00	15.00
6 in.....			

Asparagus Plumosus—	Each	Doz.	Per 100
2-in.....		3.00	
3-in.....		6.00	
4-in.....	1.50		

Asparagus Sprengeri—	Each	Doz.	Per 100
3-10.....		5.00	

BEDDING STOCK.

Geraniums, any variety.....	Per 100
Nasturtiums, 3-in.....	6.00
Petunias, 3-in.....	6.00
Begonia Vernon, 2-in., \$3.00 per 100,	
\$25.00 per 1000.	

Bay Trees—Standard

Stem	Crown	Each
12-14-inch	18-in.	\$4.00
2-ft.	12-in.	\$4.00
2-ft.	18-in.	5.00
1-ft.	24-26-in.	6.00
3-ft.	20-22-in.	6.00
2 ft. 4-in.	24-28-in.	7.00
3-ft.	26-in.	7.00

PHOENIX ROEBELENI

Each	Doz.	Per 100
2 1/2-inch.....	\$ 2.00	\$15.00
3-inch.....	3.00	
4-inch.....	\$0.50	6.00
6-inch.....	12.00	
6-inch, strong.....	18.00	
7-inch.....	\$2.50 and 3.00	
Specimens, 7 in. extra strong.....	4.00 each.	
" 8 in. extra strong.....	5.00 each.	

PHOENIX RECLINATA

7-in., 24-in. high.....	Doz., \$12.00
-------------------------	---------------

Phoenix Canariensis

3-in., 3 ft. 6 in. high.....	Each, \$3.00
8-inch tubs, 3 ft. high.....	" 3.00
10-inch tubs, 4 ft. high.....	" 6.00
10-inch tubs, 5 ft. high.....	" 9.00
12-inch tubs, 6 ft. high.....	" 15.00

KENTIA BELMOREANA.

Size	Leaves	Ht.	Each	Doz.	100
2-in.	4	8-in.	\$1.50	\$12.00	
3-in.	4-5	8-10-in.	2.00	15.00	
4-in.	4-5	12-in.	3.60	30.00	
5-in.	5-6	15-18-in.	6.00	50.00	
6-in.	6-7	20-22-in.	\$1.00	12.00	
6-in. strong, 5-6	18-20-in.	1.50	18.00		
7-in.	6-7	26-28-in.	2.00	24.00	
7-in. strong, 6-7	22-24-in.	2.50	30.00		
8-in.	6-7	36-40-in.	5.00		

COCOS WEDDELIANA.

2-inch.....	Doz. \$1.75: 100, \$14.00
Latania Borbonica—	
6-in.....	\$9.00 Doz. 7-in.....\$12.00 Doz

The Geo. Wittbold Co. —L. D. PHONE, GRACELAND 1112— **737-39 Buckingham Pl. Chicago**



STANDARD BAY TREE

Bay and Box Trees

BAY TREES. These trees come in tubs.

Nothing can approach these handsome trees for decorating porches, piazzas, or hall entrances and they are largely used for stately effects in formal gardens.

Standard or Tree Shaped.

Stems	Each	Pair
36-in.....	\$ 7 00	\$13 00
45-in.....	7 50	14 00
45-in.....	8 00	15 00
45-in.....	10 00	18 00
48-in.....	12 00	22 00
48-in.....	15 00	28 00

Stems	Each	Pair
30-in.....	\$ 7 00	\$13 00

Pyramidal Shaped.

Each	Pair
5 ft. high, 24-in. diameter at base..	\$ 8 00 \$15 00
6 ft. high, 26-in. diameter at base..	10 00 18 00

BOX TREES.

Prices on Pyramid and Globes include new green tubs. If wanted out of tubs we allow 10 per cent discount.

Pyramids.

Each	Pair
2 1/2 ft. high.....	\$2 00 \$3 75

Globe Shaped, Untrimmed.

Each	Pair
15 in. high, 15 in. dia.....	\$2 00 \$3 75
18 in. high, 18 in. dia.....	2 50 4 50

Bush Shaped. These do not come in tubs.

Each	Doz.	100
12 in.....	\$0 40	\$4 00
18 in.....	80	6 50
20 in.....	75	8 00
24 in.....	1 00	10 00

VAUGHAN'S SEED STORE

31 W. Randolph St., CHICAGO

43 Barclay St., NEW YORK

Greenhouses, Trial Grounds and Nurseries Western Springs, Ill.

The Seed Trade.

American Seed Trade Association.

Charles C. Massie, Minneapolis, Minn., President; J. M. Lupton, Mattituck, L. I., N. Y., First Vice-President; W. F. Thurlkerson, Painesville, O., Second Vice-President; C. E. Kendal, Cleveland, O., Secretary and Treasurer; S. F. Willard, Wethersfield, Conn., Assistant Secretary.
Next annual convention, June 1914.

VISITED CHICAGO: S. A. Wilson of the L. L. Olds Seed Co., Clinton, Wis.

GOSHEN, IND.—The Harper Seed Co. will move from the Mummert building to West Lincoln avenue.

CHICAGO.—Prices for grass seed on the Board of Trade July 9 were as follows: Timothy, \$4.25 to \$5.00 per 100 pounds.

FRENCH BULBS.—Prices are stiffening on Roman hyacinths while paper white narcissi are lower, that is, the 13-centimeter and up.

STURGEON BAY, WIS.—The Door County Seed Co. has asked permission of the city council to erect a two-story elevator on their premises adjoining the railroad track, also to have a track built into the elevator.

WATERLOO, IA.—The Galloway Bros.-Bowman Seed Co. has raised its capitalization from \$300,000 to \$500,000 and will carry out extensive improvements to the plant at a cost of \$45,000. A new seed house and two new greenhouses are planned.

WICHITA, KANS.—F. M. Borders, who bought the Central Seed Co. last December, reports a great increase in the volume of business. The firm is now in a flourishing condition. Mr. Borders attributes a good share of his trade to judicious advertising.

BAY CITY, MICH.—The Gregory Farm Seed Co., which was organized last November with a capital stock of \$30,000, reports excellent business. Dr. Virgil Tupper is president; E. J. Schriber, treasurer; Frank Gregory, secretary and manager, and Charles M. Baumgarten, assistant secretary.

KANSAS CITY, MO.—The Harnden Seed Co. says the trade this season is 30 days late and very satisfactory, although in dollars and cents not any larger than last year's business, prices on most staples being considerably lower. The retail business at both this firm's uptown and downtown stores has been exceptionally good, especially the bulb and plant trade. The cut flower and plant department recently added to the uptown store has given good results thus far.

PHILADELPHIA, PA.—Walter P. Stokes, in referring to the seed business of the present year, says: "We have had a very substantial increase in orders during the months of January, February and March. April did not show up so well, and I imagine that owing to weather conditions some of the March increase came from business that ordinarily would have come to us in April. The slump in the price of seed potatoes also cut a considerable figure in reducing gross sales in April and May. Business has shown up very well as compared with previous seasons."

DUNKIRK, N. Y.—The Lake Shore Seed Co. will build a modern fireproof building to take the place of the one destroyed by fire June 17.

BLOOMINGTON, ILL.—Dean and Julius Funk, of this city, and associates plan to buy La Branche plantation of 10,000 acres from the Suburban Realty Co. and establish the biggest seed farm in the world. If the deal is made, they will plant the entire acreage in seed corn. It is said that they expect to buy another tract of 10,000 acres of reclaimed land bordering Lake Pontchartrain and owned by the same company.

DENVER, COLO.—The Colorado Seed & Nursery Co. say that the seed trade here has been exceptionally good all this season. There has been an unusual amount of precipitation which has encouraged farmers, gardeners and all planters to put in greater acreage. The grass and grain trade has not drawn on the seedsmen as much as formerly since many of the farmers had their own supply. The garden seed trade has been better than anticipated. The lateness of the season has prolonged business very satisfactorily, making good prospects here this season.

New Jersey Seed Crops.

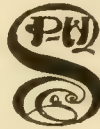
Pedricktown.—The usual seed crops of this locality went into the ground under normal conditions, with increased acreages of tomatoes and peppers. Egg-plant, squash and other vine seed crops about the usual acreages. Throughout the early part of the season crops were affected considerably by excessive rains, late frosts and beetles, which retarded growth as well as causing extra replanting. Some of the early set fields of peppers and tomatoes were cut down by the frost in May. Fortunately most farmers had sufficient plants for re-setting. With the passing of the cool nights that have prevailed for the last two weeks and a return of seasonable weather, from now on seed crops should produce fair yields.

Edgar Hurff is building a tomato pulp factory at Swedesboro, N. J., to utilize tomatoes as by-product after removing the seeds. The necessary buildings are well under way and machinery is being installed. Canning and seeding operations will start early in August.

George R. Pedrick & Son report an unusually heavy trade in seed corn and other seasonable seeds this spring, as well as in plants and roots.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

BRASLAN SEED GROWERS CO., Inc.
SAN JOSE, CALIFORNIA

Denaiffe & Son,

Established 1810.
CARIGNAN, NORTHERN FRANCE.

Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Alfred J. Brown Seed Co.,

Growers for the Trade

Grand Rapids, Michigan.

PEAS **BEANS**
CUCUMBER

We shall be pleased to quote you our prices for prompt or future shipment.

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Mention the American Florist when writing

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers

SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS

Danish Seed Crops.

Odense, June 11.—Prospects for 1913 harvest of summer vegetables, says L. Daehnfeldt, are yet good. The mild winter did not do much damage, although a severe drought in spring threatened the crops and did some damage, as it was accompanied by insect attacks. We have since had plenty of rain but, of course, the harvest depends on the coming months.

Cabbage (early) suffered severely from frost and the crop will be rather short. Late cabbage passed uninjured through the winter but the late frosts in spring killed many of the young sprouts. The present status of the crop is fairly good.

Radish suffered severely during the dry period and the earth flies have destroyed large areas, so that even if the summer should be favorable the harvest surely will be below the average.

Turnip prospects are very disappointing, plants suffering from the rain last fall, also from the spring frosts. Very short crops are almost certain.

Cauliflower suffered a good deal during the dry weather, but if the may yet be about medium.

summer proves favorable the harvest Rutabagas are very disappointing, suffering so much from insects that a short crop is certain with high prices.

Beets promise less than a medium yield, frosts doing much damage to the early planted fields.

Brussel sprouts promise to give medium harvest, some acreage being destroyed by insects.

Spinach and peas look well and the harvest should be good under normal conditions.

Carrots passed uninjured through the winter and promise a good yield.

Kale has been attacked by insects and the crop will be under medium.

Mangels promise well with favorable weather conditions.

Kentucky Blue-Grass Seed In Germany.

ED. AMERICAN FLORIST:—

Referring to the last sentence in the above article in your issue of May 10, page 912, which says: "The seed is usually bought by samples which are thoroughly tested by the buyer as to purity and fertility," I wish to mention something of my experience which may be of interest to

the readers of your valued paper. I think you know that I am importing very large quantities of the various American grasses, some 20 carloads every season, and I have found in regard to Kentucky bluegrass that some Kentucky dealers are very reliable and have their seed tested by

government testing stations so as to be able to state the purity and growth when offering it for sale. In this way I bought a few carloads and was well satisfied with the deliveries, which turned out excellently. I used to buy 21 pounds bushel weight and on an average got seed of at least 83 to 86



BRASLAN SEED GROWERS CO., Inc.
SAN JOSE, CALIFORNIA
U. S. A.



The KENILWORTH Giant Pansy



Pansies in Separate Colors

	1000 Seeds
Giant Adonis, light blue with yellowish white face, large dark blotch.....	\$0.25
Giant Emperor William, ultramarine blue with purple violet eye.....	.25
Giant King of the Blacks, coal black.....	.25
Giant Lord Beaconfield, violet upper petals shading to white.....	.25
Giant Yellow, pure golden yellow.....	.25
Giant Yellow with dark blotch.....	.25
Giant White, satiny white.....	.25
Giant White with large violet center.....	.25
Giant Red, a fine mixture of red shades...	.25

	1000 Seeds
Giant, royal purple, fine large flower.....	\$0.25
Giant, bronze and copper mixture.....	.25
Giant, light blue, sky blue.....	.25
Giant, dark blue deep blue shades.....	.25
Giant Zebra, mixed shades, striped.....	.25
Giant McKinley, yellow, each petal blotched with a deep reddish brown.....	.25
Giant Psyche, ruffled violet white margin.....	.25
Giant Mad. Perret, red and wine shades.....	.25
The preceding 17 sorts mixed in equal proportions.....	.25
Any 5 pks., \$1.00; any 11 pks., \$2.00.	

seeds are all grown by myself and are offered in the following mixtures and separate colors:

KENILWORTH STRAIN—The flowers are of perfect form and substance; many of the immense flowers are from 3½ to 4 inches; it is a striking collection of beautiful colors and markings, rich with shades of red, brown, bronze, mahogany and many others too numerous to mention.

KENILWORTH SHOW—An extra fine strain of large flowers; the immense flowers are of circular form and great substance; a beautiful collection of colors and markings.

KENILWORTH CUT FLOWER MIXTURE—Is a distinct class by itself, surpassing all other strains as a cut flower or for exhibition purposes, for inside or outside growing; the large flowers are carried erect above the foliage on heavy stems, 7 or 8 inches long, in the most graceful manner, and stand the hot, dry weather well.

MASTERPIECE—A remarkable type; the curled, wavy petals giving the flower a double appearance, its large flowers of great substance, on long, strong stems.

ORCHID FLOWERED, Mixed—A dwarf free bloomer with a range of delicate colors that do not exist in any other pansies, a remarkable combination of light rose, shell pink, blush mauve, fawn, light brown, orange and chamois.

New Seed Now Ready.

1000 seeds, 25c; 5000, \$1.00; ¼-oz., \$1.25; 1 oz., \$5.00.

Rainbow is a mixture of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send 1000 of Rainbow free and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

per cent purity and 82 to 87 per cent growth, which results are very satisfactory for this species.

However, I have at various times had reason to complain about some less careful Kentucky blue-grass dealers supplying seed of low quality with a growth of sometimes less than 50 per cent. Only last season I bought some from a Paris firm with only 51 per cent germinative power, which caused me much inconvenience and a heavy loss as I have to give a strict guarantee of a certain high percentage of growth and was compelled to give an allowance for the lower values. I should think, therefore, that it would be to the interest of all honest dealers to induce the Kentucky firms to furnish percentages of purity and growth on a basis of tests by a government station.

I may frankly say that I am using more Kentucky blue-grass than any other dealer in Europe, and as I supply all my seeds with a guarantee of the analysis, I must look for absolutely correct and reliable growers and exporters in Kentucky. I understand large quantities of the 1912 crop have to be carried over and the next few months is the most suitable time for the owners to have their stocks carefully sorted and tested. If you will kindly bring this subject to the attention of your readers you will certainly earn the thanks of the European importers of American grasses.

CONRAD APPEL.

MADISON, WIS.—The L. L. Olds Seed Co. has taken out a permit to build a four-story warehouse at 720 William street to cost \$45,000.

Francesco Bulleri

Purveyor to the Royal family of Italy.

SCAFATI (near Pompei) ITALY.

NOVELTY FLOWER SEEDS—BULB AND PLANT PRODUCTIONS.

PETUNIA, PANSY, CINERARIA, and a great variety of other seeds. Write for price list and send orders to V. SHAKETANO, 50 West 30th Street, NEW YORK, agent and representative for the United States.

Mention the American Florist when writing

Western Seed & Irrigation Co.

Wholesale Seed Growers and Dealers

SPECIALTIES:

Sweet, Flint and Dent Corn; Cucumber, Musk and Watermelon; Pumpkin and Squash.

FREMONT : NEBRASKA

Mention the American Florist when writing

ROEMER'S Superb Prize PANSIES

The finest strain of Pansies in the World. Introducer and Grower of all the leading Novelties. Highest Award International Exhibition, Dusseldorf, 1905. Catalogue free on application.

FRED. ROEMER,

Seed Grower,
Quedlinberg, Germany

Mention the American Florist when writing

DES MOINES, IA.—An increase of eighteen fold, or from \$28,000 in gross yearly receipts to \$487,000, is a good indication of the prosperity of the Iowa Seed Co., which was established 25 years ago. It has 207,000 customers, every country in the world being covered by this firm.

VICK'S GIANT SUPERB PANSY SEED

⅛ oz. 75c; ¼ oz. \$1.35; oz. \$5.00

All leading named varieties Pansies

All varieties of Flower Seeds for mid-summer sowing. Choice Strains

Write for Special Prices.

Rex Begonias - - - \$3.00 per 100.

Asparagus Sprengeri - \$2.50 per 100.

James Vick's Sons
ROCHESTER, N. Y.

THE C. HERBERT COY SEED CO.
VALLEY, Douglas County, Neb.
Contract Growers of
High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

—FOR—
SEEDS

OF ALL KIND APPLY TO
W. W. Johnson & Son, Limited
Boston, England

SEEDS FOR SUMMER SOWING.

GIANT PANSIES.



VAUGHAN'S INTERNATIONAL PANSIES.

	Trade pkt.	1 1/2 oz.	oz.
Raphael. Reddish brown	\$0 25	25	40
Rosy Morn. A bright purplish crimson margined with a clear white edge	25	40	
Siegfried. The colors are of rich brown shades and white margin	15	30	\$2 00
Striped, mahogany, striped, and faked white	10	20	1 20
Trimardeau, mixed	10	20	1 00
Violet Blue, a very pleasing shade	10	20	1 20
Volcano. This is the best red Pansy	10	30	2 00
White, very large, with violet eye	10	20	1 60
Yellow, immense flowers with dark eye	10	20	1 00

VAUGHAN'S GIANT PANSY MIXTURE.

This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strains. Trade pkt., 25c; 1/2 oz., 60c; oz., \$4.00; 1/4 lb., \$14.00.

NEW PRINCESS PANSIES.

Of the Cassier and Masterpiece type, habit remarkably erect, which is its distinguishing characteristic. Extensive range of colors with yellow predominating. Trade pkt., 25c; 1/2 oz., \$1.50.

	Trade pkt.	1 1/2 oz.	oz.
Adonis, light blue with a white center	\$0 10	\$0 20	\$1 20
Andromeda. Delicate apple-blossom	15	30	2 00
Aureola, carmine white stripe	15	30	2 00
Auricula Colors, metallic shades	10	20	1 25
Aurora, pure white without blotches	10	20	1 20
Black, large true black	10	20	1 20
Beaconsfield, upper petals light lavender, lower ones deep rich purple	10	20	1 00
Boulogne Giant. Delicately veined; colors rich and varied	50	2 00	
Bridesmaid, rosy white, dark blotches	15	30	2 00
Bugnot. Contains shades of red, bronze and cardinal	25	40	2 00
Cardinal, brightest red	15	30	2 00
Comet, porcelain white with fine blue stripes	15	30	2 00
Emperor Francis Joseph, pure white with a large blotch of brilliant violet blue	25	50	3 00
Emperor William, dark navy blue	10	20	1 25
Eros. Deep velvety brown, edged golden	15	30	2 00
Fiery Faces, very rich scarlet, with a gold edge and yellow center	10	25	1 50
Freya, deep purple violet, with white margin	10	20	1 30
Goliath "Golden Queen." A pure golden yellow with three large blotches	25	35	2 00
Golden Queen, clear golden-yellow	10	20	1 30
Indigo King	10	25	1 50
Mad. Perret, lovely shades of pink and rose	10	20	1 25
Marechal Niel. Delicate cream color	10	25	1 60
Masterpiece—New Giant Curled or "Spencer Pansies"	25	50	3 50
Mauve Queen. A most pleasing mauve	10	20	1 25
Orchid-Flowered. The ground color is light, the petals being marked with large brown or golden yellow blotches which diffuse into rays and veins towards the edge	15	20	2 00
Parisian Striped, stripes are broad and loud	10	20	1 50
Pink, lovely shades of pink, same as Hydrangea	15	30	2 00
President Carnot, fine blotched white	15	30	2 00
President McKinley, fine blotched yellow	15	40	2 75
Purple, very large, rich deep purple	10	20	1 00
Preiosa. Each petal has a very large blotch of deep violet surrounded by crimson background with pure white edge	10	25	1 60
Psyche. The five velvety violet blotches are surrounded by broad white edge	10	25	2 00

VAUGHAN'S INTERNATIONAL PANSIES.

Each year has added to the quality of its flowers and variety of its colors. We buy every year novelties of known merit to improve the mixture; it is always complete, always the latest and always the best mixture. We add to all Pansy Mixtures which we now buy more than fifty per cent of the choicest named kinds obtainable, each in correct proportion. This is one of the specialties which has established the reputation of Vaughan's Flower Seeds, and one which we maintain most carefully. Trade pkt., 50c; 1/2 oz., \$1.50; 1/4 oz., \$5.00; oz., \$10.00.

CINERARIA—Vaughan's Columbian Mixture. It consists of a mixture made up by ourselves of the choicest English, French and German strains, and cannot be excelled in variety of colors, size, shape and substance of flowers and perfect habit of plant. Trade pkt. (500 seeds), 50c; 3 trade pkts., \$1.40.

PRIMULA—Vaughan's International Mixture. This mixture is composed of the most salable colors of single flowering Chinese Primulas, the best whites, pinks and reds, with a sprinkling of other colors, enough to give a large variety of colors, the most important shades predominating. Trade pkt. of 350 seeds, 50c; per 1-16 oz., \$4.00.

CHICAGO

Vaughan's Seed Store

NEW YORK

KEOKUK, IA.—The Gate City Seed Co. will soon start work on a new three-story office building and warehouse. It will cost from \$27,000 to \$30,000.

ENID, OKLA.—The Enid Seed & Floral Co., Wm. P. Lechler and A. D. Zimmerman, proprietors, has bought out Woerz Bros., taking over the store and greenhouses.

TACOMA, WASH.—Flowers and good music were the feature of the third annual rose show held under the auspices of the Tacoma Rose Society at the Armory, June 27-28, eclipsing any previous show.

OMAHA, NEBR.—The Nebraska Seed Co. has reached its twenty-sixth year of a growing business, now owning and occupying the building at 1208 Jones street, and according to their manager, "are going to keep on growing."

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

Mention the American Florist when writing



H. WREDE

LUNEBURG, GERMANY

PANSY SEED

180 First Prizes, the highest awards Chicago, Paris, London, Bruxelles, Berl., Hamb., Roma.
1000 seeds, finest mixed, 25c
1 oz. \$2.25

Price list on application.

Cash with order

Mention the American Florist when writing

Lily of the Valley Pips

WE have on hand a few cases of Lily of the Valley Pips, (3000 to case) Berlin and Hamburg, which we offer at \$32.00 Per Case (of 3000).

J.M. Thorburn & Co

53 Barclay St.

New York

TOMATO SEED

Best Stocks. All Varieties.
THE HAVEN SEED CO.
Growers for the Wholesale Trade Only.
SANTA ANA, CALIFORNIA

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, July 7.—Mushrooms, 25 cents to 50 cents per pound; lettuce, 15 cents to 25 cents, small cases; radishes, \$1.00 to \$1.25 per 100 bunches; cucumbers, 35 cents to 40 cents per dozen; asparagus, 75 cents to \$2.00 for 24 bunches.

New York, July 5.—Cucumbers, 10 cents to 25 cents per dozen; mushrooms, 50 cents to \$1.50 per 4-pound basket; tomatoes, \$1.75 to \$2.25 per box; radishes, 50 cents to 75 cents per 100 bunches; rhubarb, 50 cents to \$1.00 per 100 bunches; lettuce, 50 cents to \$1.00 per basket.

Montrose, Mass.

The visitor to Boston who appreciates good rose growing will find a few hours profitably spent in visiting the Montrose Greenhouses, at Montrose, Mass., a short distance from the city. There is a range of about 75,000 square feet of glass. The property includes a farm of more than 100 acres, on which about 30 cows are kept. The place is owned by N. F. McCarthy of Boston, and is very ably superintended by Eber Holmes, who has achieved great success as a rose grower. Under the guidance of Mr. Holmes we were recently shown over the place and have never seen a cleaner stock of roses.

One rose house is 32 x 500 and two others are 50 x 300 feet. Another, 60 x 500 feet will soon be erected. There is a fine stock of Killarney Queen, Double White Killarney, Richmond, Lady Hillingdon and other varieties. Twelve hundred plants of Milady and 1,000 of Mrs. Chas. Russell have been planted this season. The houses are well built and fitted up with every convenience. One noteworthy feature is a subway or tunnel connecting the houses that stand some distance apart, thus affording protection in passing back and forth in bad weather. The greenhouses have their own water supply, which is pumped from a nearby stream to a reservoir on a hill from whence it reaches the greenhouses by gravity pressure.

The cow stable furnishes ample manure and the manure water from the stable, which is on higher land than the greenhouses, is carried through a conduit to a large tank at the greenhouses. At the present time wooden benches that have grown old are being taken out and replaced by concrete protected beds, though this work has been going on in the range for several years. As a plant auctioneer and dealer in cut flowers, Mr. McCarthy has long been known to the trade but all may not know how deeply he is interested in growing. Mr. Holmes is also well known. He has been in charge of the range since it was erected and, as previously stated, has had great success. He owns a house near the scene of his labors, is married and has an interesting family. It may be added that he is well known as the author of a book on rose growing.



"Superb Quality" Seeds for Florists

The Storrs & Harrison Co.'s Superb Mixture of GIANT PANSY SEED

contains the Ultimate in Giant Pansies You cannot buy a better mixture of Pansy Seed at any price.

Trade Pkt., 50c.; 1/4-oz., \$1.25; oz., \$4

We carry in stock all named and separate colors of Giant Pansies; also the best strains of Oclier, Cassier, Bugnots, Trimardeau, etc. (See our trade list for prices).

CINERARIA GRANDIFLORA, Mixed (A magnificent strain.) BELLIS PERENNIS (English Daisy) Trade packet, \$1.00.

Longfellow (Red), Snowball (white), tr. pkt., 35c; Mixed Colors, tr. pkt., 25c.

ALL OTHER SEASONABLE SEEDS

Annual and Perennial

Is your service in Flower Seed Satisfactory?

This "Trade Mark" is the symbol of 60 years of Satisfactory Service.

The Storrs & Harrison Co.
Painesville, Ohio



Mention the American Florist when writing

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per 1/4 oz., \$1.00 per 1/2 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Mention the American Florist when writing

Primula Obconica, strong plants, in bud and bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2 1/2-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong, 2 1/2-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengeri, strong, 2 1/2-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

A look at the dairy showed that everything about it was conducted on the most modern plan. The stables are almost luxurious and the cleanliness is very noticeable. A large area of the farm is planted to corn and hay, and other fodder is grown. A. F. F.

DANBURY, CONN.—E. E. Mathews—son is building a new greenhouse 40x200 feet. The Lord & Burnham Co., New York, has the contract.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

trade Mark, American Spawn Co., St. Paul, Minn

Mention the American Florist when writing

J. E. MEREDITH, PRES. C. W. STOUT, Sec'y The Meredith Flower and Vegetable Co.

LIBERTYVILLE :: ILLINOIS

Mention the American Florist when writing

ROSE STOCK

Mrs. Geo. Shawyer and Milady, \$30.00 per 100, \$250.00 per 1000.

Pink and White Killarney and Richmond, grafted, \$20.00 per 100;
Own root, \$10.00 per 100.

My Maryland, Lady Hillingdon and Bon Silene, own root, \$10.00 per 100.

Sunburst, \$20.00 per 100. American Beauty, \$12.00 per 100.

The above stock all from 4-in. pots and warranted to give satisfaction. A plain unvarnished tale as advertisements go but we always stand back of our goods.

CHAS. H. TOTTY, Madison, N. J.

Freesias California Grown



Mammoth, $\frac{3}{4}$ and up Per 1000 **\$8.00**
Choice, $\frac{1}{2}$ to $\frac{3}{4}$ -in **5.00**
First Quality, $\frac{3}{8}$ to $\frac{1}{2}$ -in **3.00**

Vaughan's Giant White
Long Stem Variety
Per 100 **\$ 1.50**
Per 1000 **12.00**
Purity--True
Per 100 Per 1000
 $\frac{3}{4}$ -in. to 1-in. **\$3.00 \$25.00**
 $\frac{1}{2}$ -in. to $\frac{3}{4}$ -in. **2.50 20.00**
 $\frac{1}{4}$ -in. and over... **1.75 15.00**
 $\frac{1}{8}$ -in. to $\frac{1}{4}$ -in. **1.50 12.00**

Vaughan's Seed Store,

CHICAGO

NEW YORK

Mention the American Florist when writing

BOXWOOD

Write for Sizes and Prices

F. O. FRANZEN,
1476 Summerdale Avenue,
CHICAGO ILLINOIS.

Mention the American Florist when writing

CARNATIONS

F. DORNER & SONS CO.,

LaFayette, - - Indiana

Mention the American Florist when writing

We offer the following stock in fine shape for late trade at watering places and other summer resorts, etc. Stock is in first-class condition.

HYDRANGEA OTAKSA

In Bud and Bloom for Immediate Use.

We have a fine stock of pot grown plants in 6-in. and 7-in. pots, just beginning to show color; in fine shape. 50c and 75c each.

We offer, also, a large stock of well-budded plants for July and August flowering. Plants in large tubs, \$2.00 and \$3.00 each; extra large specimens in half-barrels at \$5.00 and \$7.50 each.

Geraniums. In bud and bloom, extra fine stocky plants in 4-in. pots—S. A. Nutt, Double Grant, Jean Viaud; also Rose Geranium, \$8.00 per 100.

Cannas. Beaute de Poitevine, Pierson's Premier, Mlle. Berat, L. Patry, etc. Extra heavy plants in 4 in. pots. \$5.00 per 100.

Caladium Esculetum. Very strong started plants in 5-in. and 6-in. pots. \$1.50 per dozen.

Heliotrope. 2 1/4-in. pots, \$3.00 per 100; extra strong plants in 3 1/2-in. pots. \$6.00 per 100.

Salvia. 2 1/4-in. pots. \$3.00 per 100.

Nasturtiums. 3-in. pots, \$4.00 per 100.

Coelus. Firebrand and assorted varieties in 2 1/4-in. pots, \$3.00 per 100.

Marguerites or Daisies in bloom. 2 1/4-in. pots, \$4.00 per 100.

Lobellias. 2 1/4-in. pots, \$3.00 per 100.

English Ivy. Large stock of extra strong plants in 3 1/2 and 4-in. pots, good value at \$10.00 per 100.

Egg Plants. New York Improved. 3 1/2-in. pots, \$4.00 per 100.

Dracena Indivisa. Very large specimens for center of large vases. Plants 3-ft. high, \$2.50 each. Strong plants in 5-in. pots \$3.00 per dozen.

Asparagus Plumosus Nanus. Extra heavy plants in 3 1/2-in. pots, \$8.00 per 100.

FINE FERNS FOR SUMMER DECORATION.

For Immediate use. We have a fine stock of the following varieties in the sizes offered.

Elegantissima. 6-in. pots 50c each; 8-in., \$1.00 each.

Harrisii form of *Bostoniensis*—the best of all of the plain-leaved type, 8-in., \$1.00 each; very heavy specimens in 10-in. pots, \$3.00 and \$4.00 each.

WINTER-FLOWERING ROSES.

White Killarney, Pink Killarney, Richmond, Lady Hillingdon and Killarney Queen.

We have a small surplus over and above our own requirements of the above named varieties. Strong grafted plants in 3 1/2 and 4 in. pots, which we can supply as long as unsold.

F. R. PIERSON CO., - Tarrytown-on-Hudson, N. Y.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, BROOKLYN N Y

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KENTIAS.

Joseph Keacock Co.,

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ENCHANTRESS SUPREME DAILLEDOUZE BROS.

Lenox Road and Troy Ave.,
BROOKLYN, N. Y.

Mention the American Florist when writing

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown Junc., N. J.

Mention the American Florist when writing

The Nursery Trade

American Association of Nurserymen.

J. B. Pilkington, Portland, Ore., President-elect; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-ninth annual convention to be held at Cleveland, O., 1914.

PUEBLO, COLO.—G. A. Rodell, a nurseryman, was made defendant in a suit for \$118.59 by the R. N. English Lumber Co., for a lumber bill due last September.

DOGWOOD, the principal source of shuttles for use in cotton mills, is growing scarcer year by year, and various substitutes are being tried, but with no great success.

BEATRICE, NEB.—The need of more room by the rapidly growing German Nurseries since locating in this city, has necessitated adding 200 acres more to take care of their stock.

SHAWNEE, OKLA.—Herbert Chase, the millionaire Colorado nurseryman, visited Jim Parker, of Tecumseh, recently, who has a yearly contract to raise 1,000,000 apple trees for the nurseryman.

STOCKTON, CAL.—Messrs. Williamson and Coryell, who have been connected with the Claremont nurseries, near Los Angeles, have purchased twelve acres of land at Riverbank, and will establish a modern and up-to-date nursery.

HOUSTON, TEX.—The Henk Dirken Floral and Nursery Co. has incorporated to do an import business; capital stock \$20,000. The incorporators are: E. P. Daviss, Henk Dirken, E. P. Daviss, Jr., J. L. Russell and A. E. Keising.

AURORA, ILL.—The Beacon of this city, in its issue of June 21, contains a half-page story of the Aurora Nursery Co., with a portrait of J. A. Young, the president, whom it calls "the man who has done most to make Aurora beautiful."

CHARLOTTE, N. C.—W. L. Killiam, the aged Catawba nurseryman, fell in his nursery June 24, struck his chin, breaking the bone and injuring his head and neck, which is very painful and will keep him confined for some time, owing to his age.

FELLSMERE, FLORIDA.—J. H. Sterns, of Indianapolis, Ind., has instructed Mr. Conkling, of the Nursery Co., to plant a ten-acre grove, also other varieties of fruit and ornamental trees, which will make Mr. Sterns' place one of the beauty spots of the city.

TROY, N. Y.—A certificate of incorporation has been filed by the Prospect Hill Nurseries, of Castleton-on-the-Hudson, with the secretary of state. Capitalized at \$10,000. The directors are Edwin Bell and Laura A. Bell, of Castleton, and B. H. Mills, of Albany.

PORTLAND, IND.—W. A. Hart has brought suit on a note against the Portland Nursery Co., asking that a receiver be appointed. Suit on a mechanic's lien has also been brought against James M. T. and Mary A. Wright. Mr. Wright is the nursery firm's general manager. The plaintiff is the firm of Yount & Ewing.

Trees and Shrubs for Nebraska.

The Nebraska experiment station has issued a bulletin in which is contained an interesting article on shrubs and ornamentals suitable for that state. The importance of irrigation is pointed out as is the fact that the list should be confined principally to native species. The exceptions noted include the honey locust and the Russian olive for ornamental purposes, and evergreens for both ornament and wind breaks. The cottonwood and box elder are recommended for quick growth, and for more permanent trees the choice is the American elm, honey locust, hackberry and black walnut. Black Hills spruce, Western yellow pine and Jack pine are preferred among the evergreens. It is pointed out that the red cedar should not be planted near an apple orchard as it is the host of the "cedar apple," which is injurious to certain varieties of apple trees. Among the shrubs mentioned are the tamarisk, Spirea Van Houttei, several kinds of honeysuckles, snowballs, common and Persian lilac, mock orange, golden elder, cut leaf sumac, flowering almond, Siberian pea tree, the native flowering currant and Thunberg berberry. The pansy, tulip, peony, dahlia, phlox and gladiolus are all found to do well.

PITTSFIELD, MASS.—Local florists will close at 1 o'clock Wednesday afternoons during July and August.

STERLING, ILL.—The Rock River Valley Horticultural Society held a meeting and picnic at Lindhurst Farm, owned by Chas. Hey, recently.

COLORADO SPRINGS, COLO.—The El Paso Horticultural Society will hold its annual flower show August 13-15. More than \$1,200 in prizes will be awarded.

FT. WAYNE, IND.—The Flick Floral Co. has purchased property on Harrison street valued at \$25,000 on which will be built a handsome modern business block.

SOUTH NORWALK, CONN.—Anthony Ruzicka, of New York, is to succeed Samuel Redstone, July 1, in the management of the Rowayton greenhouses, at Brookside.

Hardy English Ivy, large leaf, out of 3-in. pots, 2 to 3 plants to a pot, \$4.00 per 100. **Clematis Paniculata**, out of 2½ and 3-in. pots, \$4.00 per 100. **Nierembergia**, out of 2-in. pots, \$3.00 per 100. **Cobia Scandens**, out of 3-in., \$3.00 per 100. Cash with order, please.

Samuel V. Smith

3323 Goodman St., Philadelphia, Pa.

LA MOTT, PA.—The new Stephenson greenhouse, which is being erected in Willow avenue, is about completed.

MCALISTER, OKLA.—William Weaver, the florist has been named as park superintendent of this city. He will serve without remuneration.

HUGO, OKLA.—Will and Claude Biard are installing a new greenhouse in Hugo, to be used for the cut flower and plant business, in conjunction with the nursery west of town.

BOSTON, MASS.—The window display of Penn, the florist, which consists of a miniature farmhouse and outbuildings on a mossy hill, down which a little brook bubbles to a pond filled with live, fluffy little ducklings, has been the center of attraction, to people passing up Bromfield street, this week.

ROSES, CANNAS Shrubbery

THE CONARD & JONES CO.,
West Grove, Penna.

Roses See prices
Page 1236
June 21st.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

Geraniums and Smilax

Extra Fine Stock of Both—Ready Now.

\$10.00 per 1000 for **Nutt and Poitevine**.

\$12.50 per 1000 for **Ricard**.

\$12.50 per 1000 for **Smilax**.

ALBERT M. HERR, Lancaster, Pa.

EVERGREENS

For Forestry Purposes.

Fancy Evergreens
Herbaceous Perennials.

Shrubs, Vines, Trees and
Roses in largest assortment

Wholesale and Retail. Send for Catalogs

**THE NEW ENGLAND
NURSERIES CO.,**
BEDFORD, MASS.

B. & A. SPECIALTIES.

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Spring Bulbs and Roots, Conifers, Pines.

ENGLISH IVY.

4 ft. bushy, 4 inch pots.....\$15.00 per 100
4 and 5 ft. bushy, 4½ inch pots..... 20.00 per 100

Good value for window effect.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS,
NURSERYMEN
and FLORISTS

RUTHERFORD, N. J.

Look--Araucarias Our Specialty

We have provided for the summer garden, the veranda and the porch with a fine lot of **Araucaria Excelsa** of our April 1912 importation, 6-7 inch pots, 4-5-6-7 tiers, 25-30-35-40 inches high; bushy, \$1.00, \$1.25, \$1.50 to \$2.00.



Araucaria Excelsa, new April, 1913 importation, 3, 4 and 5 tiers: 5, 5½ and 6-inch pots: 35c, 40c, 50, 60c and 75c.

Robusta Compacta Glauca, big stock, 6-in. pots \$1.25 to \$1.50.

Begonias.

Zulu King—A new deep red ever blooming for growing on for Fall and Winter blooming. 2½-in. pots, \$3.00 per 100; 3-in., \$5.00 per 100; 4-in., \$7.00 per 100.

PALMS, Kentia Forsteriana, 4½ to 5-in. pots, 20 to 25 in. high, 35c to 50c; 5½ in., 60c to 75c; 6 to 7 in. pots, 30, 35 to 40 in. high, \$1.00, \$1.25, \$1.50 to \$2.00. 7 in. pots, made up, 1 large plant in center with 3 smaller plants around it, \$2.50 to \$3.00.

Kentia Belmoreana, large, 4½ in., 25c to 35c; single, 5½ to 6-in. pots, 60c, 75c to \$1.00. Made up of 3 plants, 6 in. pots, 75c, \$1.00, \$1.25 to \$1.50.

GODFREY ASCHMANN

1012 W. Ontario St., Philadelphia, Pa.

ASPARAGUS

PLUMOSUS, 2¼-in. pots, ready Per 100

July \$2 00

SPRENGERI, 2¼-in. pots, ready

July 2 00

PRIMROSES

CHINESE OBCONICA, Babies. Per 100

July 1st \$2 00

PANDANUS VEITCHII, 6-in. pot, ea. 1 00

PANSY SEED, New Crop, Giant

Flowering.....per oz. \$4 00

CASH.

JOS. H. CUNNINGHAM, Delaware, Ohio

Mention the American Florist when writing

SANDWICH, MASS.—The Hyannis Flower Shop has been moved into the Nickerson building.

EAU CLAIRE, WIS.—The State Horticultural Society will hold its summer meeting at Sturgeon Bay, Aug. 20-21. A committee is busy arranging for entertainment of visitors.

PORTLAND, ORE.—The third annual sweet pea show was held July 8-9. Sweet pea fanciers of California, Washington and Oregon had exhibits at this show.

BOSTON, MASS.—A large number of summer residents of the north shore attended the annual exhibit of the North Shore Hort. Society at Beverly Farms, June 26. Exhibits were beautiful and carefully arranged.

LEAVENWORTH, KAN.—At the completion of the two large greenhouses now under construction, and also a sixty-five-foot addition for pansy beds, the Sunnyside Floral Co. will have one of the largest greenhouses in the West.

KANSAS CITY, MO.—In a list of injured in the railroad wreck on the Missouri Pacific, July 2, appears the name of J. H. Eggleston, a florist of Lexington, who sustained a wrenched neck and bruises about the legs and arms.

LILIES

For Summer Bloom.



Make the Empty Benches Pay By Growing
a Case of Each.

Lilium Rubrum.

8-9-in. (170 to case) per case, \$8.50

9-11-in. (100 to case) per case, 8.00

Lilium Album.

9-11-in. (100 to case) per case \$11.00

Lilium Giganteum.

9-10-in. (200 to case) per case.....\$17.00

VAUGHAN'S SEED STORE,

CHICAGO

NEW YORK

Mention the American Florist when writing

J. L. DILLON,

Bloomsburg, Pa.

Wholesale Grower of

ROSES, CARNATIONS and VERBENAS.

Mention the American Florist when writing

Jackson & Perkins Company

NEWARK, NEW YORK

Wholesale growers for the trade—
trees and plants of all kinds.

SEND FOR LIST.

Mention the American Florist when writing

EVERGREENS, HEDGES AND HARDY PHLOX

Are my specialties.

I grow these by the acre. Please get my prices
and try some of my stock.

ADOLF MULLER

DeKalb Nurseries NORRISTOWN, PA.

Mention the American Florist when writing

Christmas Peppers

New Cluster Pepper, Branching New Cluster
Pepper, Celestial Pepper & Solanum Melvini.
Strong plants, 2¼-in. pots. \$3.00 per 100; \$25.00
per 1000. 500 or more at 1000 rates.

Primroses—Obconica and Chinese—2¼-in. pots,
the very best strains, strong plants, \$3.00 per
100, \$25.00 per 1000.

Frank Oechslein, 4911 Quincy St.
CHICAGO

Satisfaction Plants.--Ready for Shipment. ROSES.

Milady and Mrs. Geo. Shawyer, Grafted—\$30.00 per 100; \$250.00 per 1000.

Mrs. Chas. Russell, Grafted—\$35.00 per 100; \$300.00 per 1000.

Mrs. Taft. Mrs. Aaron Ward, Richmond, Killarney, Lady Hillingdon, Radiance, Bon Silene, Bride, Golden Gate, Grafted—\$15.00 per 100; \$120.00 per 1000; My Maryland. Special prices on large quantities.

FOR IMMEDIATE SHIPMENT. A special offer of Roses on their own roots in lots of 500 or more. Mrs. Taft, Richmond, Killarney, 500 for \$20.00; 1000 for \$37.50.

GARDENIA VEITCHII.

From 2½-inch pots, \$7.00 per 100; \$60.00 per 1000.
From 3-inch pots, \$12.00 per 100; \$100.00 per 1000.

POINSETTIAS.

July delivery. \$7.00 per 100; \$60.00 per 1000.

A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums from 2 1-2 inch Pots

	Per 100	Per 1000		Per 100	Per 1000		Per 100	Per 1000
Shrimpton.....	\$2.50	\$20.00	Dr. Enguehard.....	\$3.00	\$25.00	Touset.....	\$2.50	\$20.00
Comeleta.....	3.50	30.00	R. F. Felton.....	3.00	25.00	Amorita.....	3.00	25.00
Lynnwood Hall.....	3.00	25.00	Pac. Supreme.....	2.50	20.00	Poc. Crimson.....	2.50	20.00
Poehlmann.....	2.50	20.00	Halliday.....	2.50	20.00			

J. D. THOMPSON CARNATION CO.,

JOLIET, ILL.



Vaughan's Raffia

Imported by us
direct from
Madagascar

We offer two grades
both good value, viz.:
**FLORISTS', Special
REGULAR**

Write today for Prices.

Vaughan's Seed Store
NEW YORK CHICAGO

HOLLEY, N. Y.—This city's first annual flower carnival will be held August 13-14.

MILWAUKEE, WIS.—The Milwaukee Florists' Club are planning on a big picnic in August. Definite arrangements have not been made as yet. The club has decided not to give a show this year, on account of poor patronage of previous years.

BOSTON, MASS.—The annual sweet pea show of the Massachusetts Horticultural Society will take place July 12-13, in connection with the fifth annual exhibition and convention of the National Sweet Pea Society. Growers are expected from all parts of the country.

SALEM, MASS.—After 37 years of continuous faithful service in charge of the greenhouses and grounds of the state hospital at Danvers. Ettore Tasinari, has retired at his own request on a substantial pension. He has served under every superintendent at the institution and has proved one of the most skillful and successful gardeners and floriculturists in the state.

TELLS HOW AND WHY.

New and Revised Edition

Chrysanthemum Manual.

BY ELMER D. SMITH.

THE BEST BOOK ON THE SUBJECT.

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WE ARE NOW BOOKING ORDERS. PRICE, 50 CENTS, CASH WITH ORDER.

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The Early Advertisement Gets There.

Field Grown Carnation Plants.

Extra Fine Stock. Clean, well grown and healthy.

Ready Now. Let us have your order as early as possible.

	Per 100	Per 1000		Per 100	Per 1000
The Herald, scarlet.....	\$12.00	\$100.00	Enchantress, flesh pink.....	\$ 6.00	50.00
Gloriosa, medium pink.....	8.00	75.00	Rose Pink Enchantress.....	6.00	50.00
Pink Delight, flesh pink.....	8.00	75.00	Washington, dark pink.....	6.00	50.00
White Wonder.....	7.00	60.00	(Sport of Enchantress)		
White Enchantress.....	6.00	50.00	Victory, scarlet.....	6.00	50.00
White Perfection.....	6.00	50.00	Scarlet Glow.....	6.00	50.00

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High Class PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

John Bader Co.

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1826 Rialto St., N. S. PITTSBURG, PA.

F. F. SCHEEL

SHERMERVILLE, ILL.

Wholesale Grower of Cut Flowers, Pot Plants and Nursery Stock.

L'ANSE, MICH.—Recent consignments of lilacs to Milwaukee, Chicago and other cities from Upper Michigan, shows that they have become a commercial product and in a growing demand.

LANSING, MICH.—City weed cutters may have to take a course in horticulture, according to Supt. Ward Hill. They mistook a row of beautiful poppies growing along the sidewalk of William Campbell, and cut them off as weeds. Mr. Campbell will try again next spring.

DENVER, COLO.—Thomas W. Hannah, the manager of the Denver Wholesale Florist Co., who disappeared June 4, has not been heard from as yet. Mrs. Hannah has succeeded in tracing him to the Pacific coast, where he sailed five days after leaving Denver. His disappearance still remains a mystery.

TULSA, OKLA.—Messrs. Scharfenberg & Giddings, proprietors of the Tulsa Greenhouses, enjoy the distinction of being one of the largest growers of plants and cut flowers in the state. They grow thousands of carnations and chrysanthemums, as well as a complete line of other flowers, and are able to supply anything in the floral line.

PLANTS!

Grafted White and Pink Killarney.

Very choice young stock in 3 and 3½-in. pots.

\$10.00 per hundred.

This stock is all selected from flowering wood and grafted on the best English Manetti.

Two thousand choice young

BEAUTIES

own root in 3½-in. pots, **\$10.00 per hundred.**

Bassett & Washburn

Hinsdale, Illinois.



POINSETTIAS

JULY AND AUGUST DELIVERY.

TRUE TYPE.

The Large Bract Kind, shipped you in 2½-inch Paper Pots. No soil lost in shipping.

Price, \$6.00 per 100; \$50.00 per 1000.

A. HENDERSON & CO.,

352 N. Michigan Ave., CHICAGO.

Florists' Fertilizers

Conducted by F. W. Muncie,
Dept. of Floriculture, University of Illinois.

Inquiries regarding fertilizers and manures
are solicited for this department. Address
all inquiries to THE AMERICAN FLORIST,
440 South Dearborn street, Chicago.

Phosphates.

It is a question of some importance to determine what form of phosphate to apply to a greenhouse or garden soil. In greenhouses where the soil is changed after each season it seems reasonable to expect that an almost insoluble and so slowly available form as rock phosphate would not give the results that a form readily soluble, like acid phosphate, would.

Carnations were raised at the Illinois Experiment Station in the three years 1909-1912 in sections of the same size and treatment, excepting that in one section acid phosphate was used and in the other, rock phosphate. Three varieties, Beacon, Enchantress and White Perfection, were grown, 24 plants of each being used. The average production per section for the three varieties is given below:

Acid phosphate treatment—Ave. all varieties 1909-1912, 367.8 flowers; Ave. per plant, 15.3 flowers. Rock phosphate treatment—Ave. all varieties 1909-12, 342.7 flowers; Ave. per plant, 14.3 flowers. These results were obtained when 1 lb. of acid phosphate per 100 sq. ft. and 4 times as much rock phosphate had been applied. With larger amounts (4 lbs. of acid phosphate and 16 lbs. of rock phosphate) about the same results were secured in each case: Acid phosphate 4 lbs. per 100 sq. ft.—Ave. all varieties 1909-12, 368.3 flowers; Ave. per plant, 15.3 flowers. Rock phosphate 16 lbs. per 100 sq. ft.—Ave. all varieties 1909-12, 363.2 flowers; Ave. per plant, 15.1 flowers. The difference in the first case is 25 flowers per 24 plants, or 1,000 flowers per 1,000 plants. When figured this way the extra profit from using acid phosphate is seen to be considerable.

In this case, of course, very little manure was used with the phosphate (about 125 lbs. per 100 sq. ft.) and the conditions that would tend to make the rock phosphate available were not obtained. If more manure had been applied with it, or heavy mulches subsequently applied, as is usual with roses, it is possible that as many flowers would have been obtained. The rock phosphate used in this experiment, although only one-half as expensive per ton as the acid phosphate, really cost twice as much, since four times the quantity of the acid phosphate used, was applied. So it seems best to use a more readily available form on soil which is renewed yearly. I believe that for application to a field where large amounts of manure are being added also, for use in ground benches where the soil will not be removed for several years, as an addition to manure in filling up the bench below the soil, in any case where the phosphate can work for several years, and where plenty of decomposing organic matter is present, it is economical to use rock phosphate.

Contrary to what would be predicted from certain theoretical considerations limestone does not hinder the availability of acid phosphate, but rather aids in making it available. This is especially true in clayey soils and those containing much iron. Bone, especially steamed bone, although the same chemically as rock phosphate, is much more readily available than ground rock. This is due to the fact that throughout the structure of the bone are minute particles of organic matter, blood vessels, and the like, which decay readily and in doing so act upon the particles of bone about them and make them more soluble. Fatty substances also are present in the raw bone. These do not readily decay and for this reason steamed bone (steaming removes the fats) is much superior to raw bone if immediate results are expected. The more finely ground bone is, the more easily can the soil water and putrefying bacteria act on it, hence the importance of securing finely ground bone for immediate results.

There is not the danger of overfeeding with rock and acid phosphates that there is with nitrogenous compounds and potash salts. In the experimental work at the Illinois Experiment Station, twenty pounds of potassium sulphate, or the same of dried blood, applied in portions approximately once a fortnight to sections of 40 sq. ft. were sufficient to ruin the flowers in the latter part of the season, while during the past year, 35 lbs. of acid phosphate have been applied in weekly portions to carnations with no sign of injury.

F. W. MUNCIE.

CHESTER, PA.—Wm. Waters is building a new greenhouse on Parker avenue.

RENO, NEV.—Fred Fischer and G. C. McDonald entered business here as the Reno Florists May 1.

MIDDLEPORT, N. Y.—The women of the Methodist Church have organized a floral society and will hold an exhibition in August.

CROZET, VA.—The Virginia State Horticultural Society will hold its annual meeting at the University of Virginia July 16-17.

MUNCIE, IND.—S. A. Richardson, a flower merchant, was found guilty and fined \$5 and costs in the city court, July 3, for violating a city ordinance, compelling drivers of wagons to keep on the right side of the street.



Unequaled for greenhouse and
landscape fertilizing.

THE PULVERIZED MANURE COMPANY

32 UNION STOCK YARDS, CHICAGO

Clay's FERTILIZER

—is—
Safe, Sure, Quick-Acting
and Economical

The demand is continually
Growing.

Florists and Gardeners rely
upon it and are never dis-
appointed.

It is the Unsurpassed
Plant Food.

It is supplied by the leading
Nursery and Seed Firms in-
cluding the following: New
York—Arthur T. Boddington,
Burnett Brothers, William
Elliott & Sons, Peter Hender-
son & Co., Stumpp & Walter
Co., J. M. Thorburn & Co.,
Vaughan's Seed Stores, Weeber
& Son, Rochester, N. Y.—
James Vicks Sons, Boston—
Joseph Brock & Sons Co., R.
& J. Farquhar & Co., Fottler,
Fiske, Rawson Co., Thomas
J. Grey Co., Philadelphia—
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chell Co., Hosea Waterer.

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Food For Plants

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THE BOOK OF GLADIOLUS

THE first authorita-
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book, written by Mat-
thew Crawford and
Dr. Van Fleet, con-
tains many chapters
covering all sides of
growing, propagating,
storing, etc., and also
some pages of valuable
cultural notes gathered
from reliable
sources. A necessity
for both amateur and
grower. The book is
bound in cloth and
fully illustrated.

PRICE, POSTPAID, \$1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
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Chrysanthemums and Fertilene.

Elmer D. Smith & Co., Adrian,
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Mention the American Florist when writing

BEDDING STOCK.

Cannas from 2½-in., \$3.00 per 100 except where noted.

Chas. Henderson Beaute Poitevine Souv. de A. Crozy Burbank Multiflora Fred. Benary

Cannas from 3-in., \$4.00 per 100 except where noted.

Chas. Henderson Multiflora Fred. Benary New Chicago, \$7.00 per 100
Mad Crozy Florence Vaughan Discolor Comte de Sach, \$5.00 per 100
Louisiana

Cannas from 4-in., \$8.00 per 100 except where noted.

Chas. Henderson Mad. Crozy Multiflora Fred. Benary Louisiana New Chicago, \$10.00 per 100
Florence Vaughan Discolor Comte de Sach

Ivy Leaved Geraniums, 2-in., \$3.00 per 100.

Beauty of Jersey Joan of Arc Chas. Turner

Geraniums, 3-in., \$4.00 per 100 except where noted.

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Bulbs, cold storage *Giganteums*, 7-9-in., 8-9-in., and 9-10-in. Yokohama Nursery Co., Ltd., 51 Barclay St., New York.

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Cannas. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.

Extra good stock in the following varieties:
Per 100 Per 1,000
Enchantress \$6.00 \$55.00
White Perfection 6.00 55.00
Bonfire 6.00 55.00
Victory 5.00 45.00
White Lawson 5.00 45.00
Winsor 5.00 45.00

WILFRED BROS.

162 N. Wabash Ave. Chicago.

CARNATION PLANTS FOR SALE.—A nice stock of healthy field-grown carnation plants for sale, consisting of White and Pink Enchantress, White Perfection, Bonfire, etc. Grower going out of business reason for selling. Write for prices. D. E. Freres, 162 N. Wabash Ave., Room 21, Chicago, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Carnations, field-grown. The Herald, \$12 per 100; \$100 per 1,000. Gloriosa, \$8 per 100; \$75 per 1,000. Pink Delight, \$8 per 100; \$75 per 1,000. White Wonder, \$7 per 100; \$60 per 1,000. White Enchantress, White Perfection, Enchantress, Rose Pink Enchantress, Washington, Victory, Scarlet Glow, \$6 per 100; \$50 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, from 2-in. pots: Rosette, St. Nicholas, Benora, \$6 per 100. White Perfection, White Enchantress, Scarlet Glow, \$3 per 100. F. Dorner & Sons Co., Lafayette, Ind.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Dailledouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

Carnation Princess Dagmar, \$12 per 100; \$100 per 1,000. Patten & Co., Tewksbury, Mass.

Carnation The Herald, the new scarlet, Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, chrysanthemums, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnations. Wood Bros., Fishkill, N. Y.

Carnations. J. L. Dillon, Bloomsburg, Pa.

CHRYSANTHEMUMS.

CUT BACK POMPONS.

WHITE.	Each
Baby Margaret	2c
Diana	2c
YELLOW.	
Baby	2c
Pretoria	2c
PINK.	
Ladysmith	2c
BRONZE.	
Mrs. Beu	2c

WIETOR BROS.

162 N. Wabash Ave. Chicago.

POMPONS OUT OF 2½-INCH POTS.

	Per 100	Per 1,000
Sonorita, early yellow.....	\$2.00	
Baby Mum, yellow.....	2.00	
Quinola, yellow.....	2.00	
Klondyke, yellow.....	2.00	
Lulu, white.....	2.00	
Mrs. F. Beu, bronze.....	2.00	

Cash with order or C. O. D.

JOS. SCHOOS,

519 Asbury Ave. Evanston, Ill.

CHRYSANTHEMUMS from 2½-in. pots.

	Per 100	Per 1,000
Shrimpton	\$2.50	\$20.00
Cometa	3.50	30.00
Lynnwood Hall	3.00	25.00
Poehlmann	2.50	20.00
R. Enguehard	3.00	25.00
R. F. Felton	3.00	25.00
Pacific Supreme	2.50	20.00
Halliday	2.50	20.00
Touset	2.50	20.00
Amorita	3.00	25.00
Poc. Crimson	2.50	20.00

J. D. THOMPSON CARNATION CO.

JOLIET, ILL.

Chrysanthemums from 2½-inch pots at \$20 per 1,000 or \$2.50 per 100, cash: Dr. Enguehard, Robinson, Early Snow, Polly Rose, Diana, Bergman, Queen, Buckbee, Oct. Frost, also Chrysolora, at 3c. From sand or dirt, ready now: Oct. Frost, Touset, Bergman, Yanona, Enguehard, Donatello, Rosiere, White Bonaffon, Robinson, Buckbee, \$2 per 100; \$15 per 1,000. Also fine stock of Chrysolora, 2½c. Joy Floral Co., Nashville, Tenn.

Chrysanthemum cuttings, from sand and soil as follows: White—Estelle, Smith's Advance, Oct. Frost, Ivory, Pres. Taft, Yellow—Golden Glow, Yellow Ivory, Yellow Eaton, Pink—Glory Pacific, Pink Ivory, Minnie Bailey, \$1.25 per 100; \$12 per 1,000. D. H. Green, Boonsboro, Md.

Chrysanthemums, the leading varieties, early and late. Write for list of varieties left, 2½-in., \$3 per 100. HENRY SMITH, Grand Rapids, Mich.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums to clean out. A No. 1 plants of Glory Pacific, early pink, 2½-in., \$1.50 per 100 while they last. None better. C. P. Bethards, Springfield, O.

Chrysanthemums. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, rooted cuttings. Erie Floral Co., Erie, Pa.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

CR/TONS.

Crotons, 3½ and 4-in., \$4 per doz. Vaughan's Seed Store, Chicago and New York.

CYCLAMEN.

Cyclamen, 3-in. pots, very finest strain, \$10 per 100. Julius Roehrs Co., Rutherford, N. J.

Cyclamen, strong 2½-inch, best colors, \$5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

DAISIES.

VIGOROUS DAISY PLANTS.

IMMEDIATE SHIPMENT.

Alexandra, 2½-in. \$4.00 per 100
Mrs. Sander, 2½-in. 4.00 per 100
Mrs. Sander, 3-in. 6.00 per 100

WEILAND & RISCH.

154 N. Wabash Ave. Chicago.

Shasta daisies, 10,000 daily, selected, large flowers. 24 to 36-inch stems, \$4 per 1,000. Mexican tuberoses, \$1.90 per 100 spikes. Alvin Jasmine & Floral Co., Alvin, Texas.

DRACAENAS.

Dracena indivisa, 2-in., \$3 per 100; 3-in., \$5; 4-in., \$12; 5-in., \$3 per doz.; \$20 per 100; 6-in., \$6 per doz.; 8-in., \$1 to \$1.50 each. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Dracena indivisa, 3 ft. high, \$2.50 each; 5-in. pots, \$3 per doz. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Dracenas, Linden and Massangeana, 6-in. pots, \$1.25 each; \$12 per doz.; 7-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Chicago and New York.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Elegantissima, 6-in., 50c each; 8-in., \$1 each. Harrisii form of Bostoniensis, 8-in., \$1 each; specimens in 10-in. pots, \$3 to \$4 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 6-in., \$6 per doz.; 7-in., \$9 per doz.; 8-in., \$12 per doz.; Boston and Whitman, 3-in., \$8 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boston and Whitman ferns, 3-in., 10c; 4-in., 15c; 5-in., 25c. Geo. M. Emmans, Newton, N. J.

BOSTON FERNS, fine stocky plants, 6-in., \$7 per doz.; 8-in., \$12 per doz.; 9-in., \$15 per doz. C. C. Pollworth Co., Milwaukee, Wis.

Adiantum Croweanum, 3-in., \$10 per 100. Erie Floral Co., Erie, Pa.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FIGUS.

Ficus Pandurata, 6-in., \$3.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Rubbers. C. C. Pollworth Co., Milwaukee.

GARDENIAS.

Gardenia, Veitchii, 2½-in., \$7 per 100; \$60 per 1,000; 3-in., \$12 per 100; \$100 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

GERANIUMS.

Geraniums, 3½-inch Nutt, Grant and Lakeland, \$6.50 per 100; \$60 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Geraniums, 250,000, good 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

1,500 4-inch red geraniums, CLIFTON and 1,000 4-inch white geraniums Buchner, \$7.50 per 100. 200 5-inch Sprengerii, 20c each, from pots, and 200 hanging baskets, 40c each. THE RIVERBANK COMPANIES, Geneva, Ill.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geraniums, rooted cuttings, Ricard, \$12.50; Nutt and Poitevine, \$10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, for varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut-Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. Caldwell The Woodsman Co., Evergreen, Ala.

Huckleberry foliage, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. E. A. Beaven, Evergreen, Ala.

HOLLYHOCKS.

Hollyhocks, asst. colors, \$40 per 1,000. Hardy chrysanthemums, clumps, \$5 per 100; strong, 2½-in. plants, \$3 per 100. Herbaceous perennials from 2½-in. pots. The New England Nurseries Co., Bedford, Mass.

HYDRANGEAS.

Hydrangeas in pots and tubs, \$1.50 to \$3.50 each; large specimens, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

Hydrangeas, Otaksa, 3 and 4-in. stock at \$5 and \$10 per 100. HENRY SMITH, Grand Rapids, Mich.

Hydrangea Otaksa, specimens in half barrels, \$5 to \$7.50 each; 14-inch tubs, \$2 and \$3 each; smaller sizes, 50c and 75c. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

IVIES.

English ivy, 4 ft., 4-in. pots, \$15 per 100; 4½-in., \$20. Bobbink & Atkins, Rutherford, N. J.

English ivy, grown in 3½ and 4-in. pots, \$10 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

English ivy, 4-in. pots, heavy, \$12 to \$14 per 100. Charles Lenker, Freeport, L. I., N. Y.

JERUSALEM CHERRIES.

Cherries, Fra Diavola, 2½-in., \$3 per 100. Jerusalem cherries for field planting, 2½-in., \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

LAUREL.

Laurens cerasus bush, 35c to \$1 each; standards, \$7.50 to \$10 each; pyramids, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter, E. Neubert, Wandsbek, nr. Hamburg, Germany. Apply to Otto Heineken, 17 Battery Pl., New York.

Lily of the valley, pips, Berlin and Hamburg, \$32 per case of 3,000. J. M. Thorburn & Co., 53 Barclay St., New York.

From Storage.

Lily of the valley, cold storage, \$18 per 1,000; \$9.50 per 500; \$5 per 250. H. N. Bruns, 3032-42 W. Madison St., Chicago.

MOSS.

Moss, surplus of 12 barrel bale New Jersey moss, delivered anywhere in Chicago, \$5 per bale, 2 or more bales, \$4.75 bale. Kiehm's Nurseries, Arlington Heights, Ill.

Sphagnum Moss, Fancy Cut Ferns. Get our prices before you place your orders. H. Allen & Co., Tomahawk, Wisconsin.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

Sphagnum moss, full size bales, clean stock, new burlaps. Vaughan's Seed Store, Chicago.

If You Do Not Find What You Need In Our Ready Reference Department, Write Us About It.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Peach pits. J. K. Morrison Grocery & Produce Co., Statesville, N. C.

Evergreen hedges and hardy phlox. Adolf Mullett, Norristown, Pa.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PALMS.

Palms, Kentia Forsteriana, 4½ to 5-in., 20 to 25 ins. high, 35c to 50c; 5½-in., 60c to 75c; 6 to 7-in., pots, 30 to 40 ins. high, \$1 to \$2; 7-in., made-up, 1 large in center, 3 smaller plants around it, \$2.50 to \$3. Belmoreana, 4½-in., 25c to 35c; 5½ to 6-in., pots, 60c to \$1. Made-up, 3 plants in pot, 6-in., 75c to \$1.50 each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Palms, Kentias Belmoreana and Fosteriana, 4-in. to 10-in., \$4.50 per doz. to \$15 each. Cocos Weddelliana, 2½-in., \$15 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Phoenix Canariensis, fine large plants, \$7.50 to \$35 each. Julius Roehrs Co., Rutherford, N. J.

Palms of all kinds. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms. C. C. Pollworth Co., Milwaukee, Wis.

PANDANUS.

Pandanus Veitchii, 5-in., \$1; 6-in., \$1.50; 7-in., \$2; 8-in., \$2.50; 8-in. tubs, \$3. Vaughan's Seed Store, Chicago and New York.

Pandanus Veitchii, 6-in., \$1 to \$1.50 each; 7-in., \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus Veitchii, 6-in., \$1 each. Jos. H. Cunningham, Delaware, O.

PANSIES

Pansies, Romeo Prize Winners, bud and bloom, \$1.25 per 100; \$10 per 1,000. C. Humfeld, Clay Center, Kan.

PEONIES.**PEONIES.****"PEONIES FOR PLEASURE."**

This book of "Peonies for Pleasure" gives information on peony history, soil and plants to use; how and when to plant; fertilizers and how to apply; and describes the most extensive planting of really valuable peonies ever gathered together under the sun; describes the old and new as well as plebeian and aristocrat of the peony family. If you want information on the plant that stands next to the rose in beauty, that is practically known to the amateurs simply as a red, white and pink peony, then send for "Peonies for Pleasure." We also issue a special wholesale price list of peonies for fall sales, 1913. Send for both of the booklets. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World. Box 18. Springfield, Ohio.

PEONIES 4c TO 8c PER STEM.

We have a surplus of peonies and we are determined to move them. Choice sorts such as Delicatissima, Festiva Maxima, Floral Treasure, Livingstone, Richardson's Dorchester, etc., at 8c per stem. Standard sorts at 6c. Terry's seedlings, mixed single and double, 4c. Not less than ten stems of a kind at these prices. We can furnish any size clumps wanted. We grow all our own peonies and guarantee them true to name. Write for complete list of over 300 varieties. HENRY FIELD SEED CO., Shenandoah, Iowa.

PEPPERS.

Christmas peppers. New Cluster, branching new Cluster, Celestial peppers and Solanum Melvini, 2½-in. pots, \$3 per 100; \$25 per 1,000, 500 or more at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Cluster peppers, 2½-in., \$3 per 100. Celestial peppers, 2½-in., \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Celestial peppers and Solanum, 3-in., \$5 per 100. HENRY SMITH, Grand Rapids, Mich.

PRIMULAS.

Primula obconica, 4-in., \$5 per 100; \$45 per 1,000; 2½-in., \$1.50 per 100; \$14 per 1,000. Malacoides, giant baby primrose, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Primula obconica grandis, 2½-in., \$3.50 per 100; \$30 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Primrose, obconica and Chinese, 2½-in., \$3 per 100; \$25 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Primroses, Chinese, Obconica, babies, \$2 per 100. Jos. H. Cunningham, Delaware, O.

Primula malacoides (Giant Baby), 2½-in., \$3 per 100. HENRY SMITH, Grand Rapids, Mich.

POINSETTIAS.

Poinsettias, \$7 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Poinsettias, 2½-in. at \$5 per 100. HENRY SMITH, Grand Rapids, Mich.

ROSES.**CHOICE ROSE PLANTS.**

	Per 100	Per 1,000
Fine 2½-in. stock.	100	1,000
Richmond	\$3.50	\$30.00
Pink Killarney	4.50	40.00
White Killarney	4.50	40.00

WIETOR BROS.

162 North Wabash Ave. Chicago.

Roses, Milady and Mrs. Geo. Shawyer, grafted, \$30 per 100; \$250 per 1,000. Mrs. Chas. Russell, grafted, \$35 per 100; \$300 per 1,000. Mrs. Taft, Mrs. Aaron Ward, Richmond, Killarney, White Killarney, Lady Hillingdon, Radiance, Bon Silene, Bride, Golden Gate, grafted, \$15 per 100; \$120 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

ROSE PLANTS.

	100	1,000
Pink Killarney, 2½-in.	\$4.00	\$35.00
Pink Killarney, 3-in.	5.00	45.00
Chatenay, 3-in.	4.00	35.00
Ivory, 3-in.	4.00	35.00

UNITED STATES CUT FLOWER CO.**ELMIRA, N. Y.**

Roses, good, clean stock, 3½-in. pots. Pink and White Killarney, Kaiserin, \$6 per 100; \$50 per 1,000. Killarney Queen, \$12 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses, White Killarney, Pink Killarney, Richmond, Lady Hillingdon, Killarney Queen. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Roses, grafted, White and Pink Killarney, 3½-in., \$10 per 100. 2,000 Beauties, own root, 3½-in. pots, \$10 per 100. Bassett & Washburn, Hinsdale, Ill.

Roses, Pink Killarney, 2½-in. pots, \$30 per 1,000. Pink Killarney, 3-in., \$45 per 1,000. Fine stock. L. B. CODDINGTON, Murray Hill, N. J.

Roses, 3-in.: 900 Richmond, 300 Carnot, \$6 per 100. 2½-in.: 50 Carnot, \$5 per 100. 1,000 Hillingdon, \$6 per 100. Erie Floral Co., West 26th St., Erie, Pa.

Roses, My Maryland and Richmond, strong plants at \$6 per 100; 3-in. stock. Brides and Maids, 4-in. at \$7 per 100. HENRY SMITH, Grand Rapids, Mich.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Chas. H. Totty, Madison, N. J.

Crimson Ramblers, 5 and 6-inch pots, 3-foot canes, \$25 per 100. Charles Lenker, Freeport, L. I., N. Y.

Roses. J. L. Dillon, Bloomsburg, Pa.

SALVIAS.

Salvia, Schenley, Ball of Fire, Bonfire, King of the Carpets, Splendens, Zurich, 2½-in., \$2.50 per 100; \$20 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Salvia Splendens and Bonfire, 60c per 100; \$5 per 1,000. Dracena indivisa, 2-in., \$2 per 100. Geraniums, 2-in., \$1.85 per 100. Cohen Scandens, 2-in., \$3 per 100. Marguerite, Mrs. F. Sander, 2-in., \$2 per 100. Double Alyssum, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

SEEDS.

Asparagus plumosus nanus seed. To close out large, late matured crop. Under 25,000 at \$1.25 per 1,000; over 25,000 at \$1 per 1,000. First-class in every respect. Drake Point Greenhouses, Yalaha, Fla.

Seed, Vick's Giant pansy seed, ¼ oz., 75c; ¼ oz., \$1.35; oz., \$5. All varieties of flower seeds. Jas. Vick's Sons, Rochester, N. Y.

Seeds, superb quality seeds for florists. The Storrs & Harrison Co., Painesville, O.

Seeds, new crop turnip now ready. Robert Bulst Company, Philadelphia, Pa.

SMILAX.

Smilax, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$5.50 per 100; \$50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$2 per 100; \$17.50 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Smilax, strong 3-in. at \$3 per 100. HENRY SMITH, Grand Rapids, Mich.

Smilax, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

UMBRELLA PLANTS.

Umbrella plants, ready to shift, 2½-inch, \$3 per 100. Poehlmann Bros. Co., Plant Department, Morton Grove, Ill.

VEGETABLE PLANTS.

Celery plants (Golden Self-Blanching French Strain), fine plants, \$2 per 1,000. Cash. Brill Celery Gardens, Kalamazoo, Mich.

For Sale—Strong pieplant divisions, Linnens and Victoria, \$4 per 100; \$25 per 1,000. Mosback Greenhouse Co., Onarga, Ill.

VERBENAS.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca Var., 2-in., \$2 per 100; \$18 per 1,000; 3-in., \$5 per 100. C. Humfeld, Clay Center, Kans.

Vinca Variegata, 4-in. pots, \$12 per 100. Charles Lenker, Freeport, L. I., N. Y.

Vinca variegata, grown in 3½ and 4-in. pots, \$10 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Vinca var., fine strong 4-in., 12c. J. W. Nieson, 304 E. 47th St., Chicago.

VIOLETS.

50,000 Marie Louise Double Violet plants; these are well rooted in sand at \$15 per 1,000; 20,000 in 2½-inch pots at \$20 per 1,000. J. Vonder Linden, Rhinebeck, N. Y.

CARNATION STAPLES.**SUPERIOR CARNATION STAPLES.**

Mend your split carnations. Finest article for carnation growers introduced so far, 50c for 1,000, postage paid.

MICHIGAN CUT-FLOWER EXCHANGE. 38-40 Broadway. Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

THE CARNATION SUPPORT CO.

Manufacturers of

Self-tying Carnation Supports and Rose Stakes

Connersville, Ind.

MISCELLANEOUS.

Lemon Oil Co.'s Standard Insecticide, $\frac{1}{2}$ pt., 25c; pt., 40c; qt., 75c; $\frac{1}{2}$ gal., \$1.25; gal., \$2; 5 gals., \$9; 10 gals., \$17.50. Lemon Oil Co., Dept. T, 420 W. Lexington St., Baltimore, Md.

Clay's Fertilizer. Supplied by the leading nursery and seed firms. Manufactured by Clay & Son, Stratford, London, Eng.

Nic. Krier's New Greenhouse Boiler, self-feeding, smoke burner, hot water boilers. Nic. Krier Boiler Works, 2725-27 N. Marshfield Ave., Chicago.

Flower baskets, jardinières, hanging baskets, porch willow boxes, vases, novelties, etc. Aug. Storz, Burlington, Iowa.

Raffia, imported by us direct from Madagascar. Vaughan's Seed Store, Chicago and New York.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

"Elastic-Lyke," that good putty (semi-liquid). The Elastic-Lyke Co., (not inc.) 30 E. Randolph St., Chicago.

Threads, all kinds (Green Silkline). John C. Meyer Thread Co., Lowell, Mass.

Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Glass. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Fertilene. Elmer D. Smith & Co., Adrian, Mich.

PRINTING.

Special Florists' Printing. Sample free. Oscar Fink, Pottstown, Pa.

STAKES.

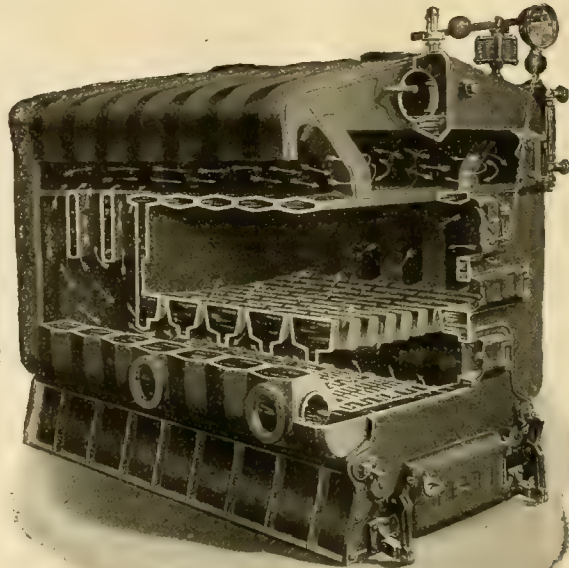
Cane stakes, standard grade, 6 to 8 feet, per 100, \$85; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

Cane Sticks, 4 to 6 ft. long, 40c per 100; \$3 per 1,000; 6 to 9 ft. long, 60c per 100; \$5 per 1,000. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

WHOLESALE CUT FLOWERS.

Amling Co., E. C., Chicago.
Angermueller, Geo. H., St. Louis, Mo.
Bassett & Washburn, Chicago.
Batavia Greenhouse Co., Chicago.
Berger Bros., Philadelphia, Pa.
Berning, H. G., St. Louis, Mo.
Budlong, J. A., Chicago.
Chicago Carnation Co., Chicago.
Chicago Flower Growers' Assn., Chicago.
Critchell, C. E., Cincinnati, O.
Deamud Co., J. B., Chicago.
Froment, H. E., New York.
Guttman Flower Growers' Co., New York.
Hoerber Bros., Chicago.
Hoffmeister Floral Co., Cincinnati, O.
Holton & Hunkel Co., Milwaukee, Wis.
Kasting Co., Wm. F., Buffalo, N. Y.
Kennicott Bros. Co., Chicago.

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IDEAL



BURNS
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"King Ideal" Boiler for Greenhouses

A square Sectional Cast Iron Boiler designed especially for burning soft coal, so that it is

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The King Ideal is a very practical heater which costs a trifle more than the old style rocking grate hard coal boiler, but it

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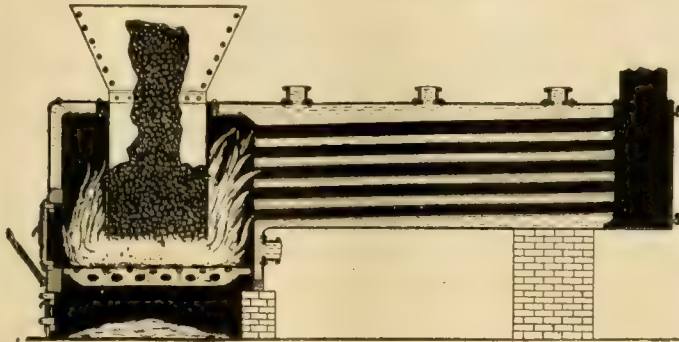
Kessler, Wm. A., New York.
Kruchten, John, Chicago.
Kuehn, C. A., St. Louis, Mo.
Kyle & Foerster, Chicago.
McCallum Co., Pittsburg, Pa., and Cleveland, O.
McCullough's Sons Co., J. M., Cincinnati, O.
McKellar, Chas. W., Chicago.
Meconl, Paul, New York.
Moore, Hentz & Nash, New York.
N. Y. Cut Flower Exchange, New York.
Niessen Co., The Leo, Philadelphia, Pa.
Ostertag Bros., St. Louis.
Randall Co., A. L., Chicago.
Reinberg, Geo., Chicago.

Reinberg, Peter, Chicago.
Rice Bros., Minneapolis, Minn.
Rusch & Co., Gust., Milwaukee, Wis.
Pennock-Meehan Co., S. S., Philadelphia, Pa.
Percy Jones, Chicago.
Poehtmann Bros. Co., Chicago.
Pollworth Co., C. C., Milwaukee, Wis.
Reid, Edward, Philadelphia, Pa.
Siebrecht, Geo., Co., New York.
Smith, Wm. C., St. Louis, Mo.
Thompson Carnation Co., J. D., Joliet, Ill.
Potty, Chas. H., Madison, N. J.
Weiland & Risch, Chicago.
Wieter Bros., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Nic. Krier's New Greenhouse Boiler

New Style Self-Feeding, Smoke Burner, Hot Water Boilers



The Biggest Money Saver There Is For the Grower

You can burn the cheapest grade of soft coal and burn all the smoke. This boiler heats quicker than all others. You always have a steady heat. The magazine always works perfect. Your coal always comes down and you save 25% to 35% on your coal bill. The magazine on the top of the self-feeding boiler only has to be filled once in every 24 hours. Fire-door can be kept closed all night. The night fireman has only six minutes of actual work to do and that is to shake the grates three times a night and this holds good even in the coldest of weather, far below zero. This boiler was used and tested for three months in extreme cold weather and found to be perfect in every respect. You should have one, the price is very reasonable.



We have built Greenhouse Boilers for the last 16 Years (always at the same place, 2725-2727 N. Marshfield Avenue, Chicago.

We also build the Square Hot Water Self-Feeding Smoke Burner Boilers to heat at least from 8,000 sq. ft. to 30,000 sq. ft. of glass. We build 11 sizes of Square Boilers, water space all around front, sides and back. Boilers are made of the best fire-box and flange steel and charcoal iron tubes.

The Fire Box Self-Feeding Smoke Burner Hot Water Boilers heat quicker than the Firebox return tube boilers. The fire goes to the top and bottom tubes at the same time, heats the water quicker and gives you a steady heat. The coal comes down always the same and burns the smoke. We build these boilers in 12 sizes to heat from 4,000 sq. ft. to 30,000 sq. ft. of glass. These boilers are also made of the best fire-box and flange steel and charcoal iron tubes.

Steam Boilers We build Fire-Box Self-Feeding Smoke Burner Steam Boilers in all sizes made of the best fire-box and flange steel and charcoal iron tubes.

Nic. Krier Boiler Works,

Office and Shop: 2725-2727 N. MARSHFIELD AVENUE, CHICAGO, ILLINOIS

The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

HERBERT S. GOTT, who has been part of the sales force of Hitchings & Co.'s New York office for some time, assumed the management of their Philadelphia office July 1.

Moninger Co.'s New Planer.

The John C. Moninger Co., Chicago, is now installing a large new planer of the latest type, which is fitted with six feed rolls. The capacity runs from ½ inch thickness, up to 8 inch thickness, and 40 to 60 h. p. is required to operate the machine depending of course on the speed. The new device is arranged so that very accurate dressing can be done and without the hilly appearance so often seen on lumber dressed by ordinary planes. The total cost of installing this machine will be approximately \$2,500. It is a great improvement in the Moninger factory, and will place the firm in a position to handle a much larger quantity of lumber.

Krier's New Greenhouse Boiler.

The Nic Krier Boiler Works, 2725-2727 N. Marshfield ave., Chicago, is now manufacturing a new self-feeding smoke burner, hot water boiler. Mr. Krier says that the boiler is so constructed that it is a great money saver for the grower because he can burn the cheapest grade of coal and all the

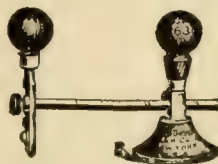
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in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

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A "Red Devil" Glass Cutter

That will cut PERFECT CIRCLES

2-in. to 20-in. in any kind of glass. If you have circular lights in your greenhouse you should have one of these "Red Devil" Circular Glass Cutters handy at all times. Your local hardware dealer has it. Ask for "Red Devil" No. 263, but if you can't get it locally, send us \$1.25 and one sample only will be sent postpaid.

SMITH & HEMENWAY CO., 105 Chambers Street, N. Y., U. S. A.

"RED DEVIL" TOOLS are Sold throughout the world.

"ELASTIC-LYKE"

THAT GOOD PUTTY

(Semi Liquid). Positively will not get hard; will not run in hot weather; will not heave in cold weather. Write for prices.

The Elastic-Lyke Co.,

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The Insecticide that kills plant Lice of every species

The Recognized Standard Insecticide.

For green, black, white fly, red spider, thrips, mealy bug and scale.

\$1.00 per Quart. \$2.50 per Gallon.

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For mildew, rust and bench fungi. Does not stain but cleanses the foliage.

75c per Quart. \$2.00 per Gallon.

VERMINE

For sterilizing soil and all soil vermin.

\$1.00 per Quart. \$3.00 per Gallon.

SCALINE

For scale and all sap sucking insects on trees and nursery stock. Can be used in growing season as safely as in dormant season.

75c per Qt. \$1.50 per Gal. 10 Gals. \$10.

Nikotiana

Twelve percent Nicotine

SPRAY AND FUMIGANT

\$1.25 per Quart. \$4.00 per Gallon.

All our products are used diluted with water at various strengths as directed on cans.

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Let us quote you our prices to commercial growers in quantity.

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Manufacturers of Agricultural Chemicals.

Madison, N. J.

M. C. Ebel, General Manager.

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OUR SPECIALTY
WRITE FOR PRICES.

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MAQUOKETA, IA.—H. Hill is building a new greenhouse opposite the public library.

PORTLAND, ORE.—The fourth annual exhibition of the Oregon Sweet Pea Society will be held in July.

FT. COLLINS, COLO.—Espelin & Warren have moved from their location on College avenue to 111 East Oak street.

Sturgeon Bay, Wis.—The Wisconsin State Horticultural Society will hold its annual meeting in this city on August 20-21.

ELGIN, ILL.—Wm. Grote has bought two greenhouses of Jay Legge. Both cash and real estate were a part of the consideration.

OAKLAND, CALIF.—The Thorsted Floral Co. has moved from 1332 Washington street to 1427 Broadway, where the firm occupies a beautiful modern store.

Use our patent
Iron Bench
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Save your plants and trees. Just the thing for Greenhouse and Outdoor use. Destroys Mealy Bug, Brown and White scale, Thrips, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our Standard Insecticide will prevent ravages on your crops by insects. Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

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1/2 Pint	25c	1 Pint	40c	1 Quart	75c
1/2 Gallon	\$1.25	1 Gallon	\$2.00	5 Gallon Can.	\$9.00
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Dilute with water 30 to 50 parts.

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Dept. T. 420 W. Lexington St., Baltimore, Md.
Directions on every package.

*green flies and
black ones too*

are easy to kill with
The Fumigating Kind Tobacco Powder
\$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
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Lock the door before the horse is stolen,
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SADDLE RIVER N. J.

BOOKS FOR FLORISTS

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. \$1.50.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. \$3.50.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated. 250 pages. \$1.00.

MANUAL OF THE TREES OF NORTH AMERICA (Sargent).—The most complete and authentic work on the subject. The pages number 826, with over 600 illustrations. \$6.00.

HOW TO MAKE MONEY GROWING VIOLETS (Saltford).—This is by a practical grower who has made a success of the business. No grower of violets can afford to be without it. 25 cents.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. \$4.00.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 50 cents.

THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. \$2.00.

THE BOOK OF WATER GARDENING (Bisset).—A most complete and excellent work on this fascinating subject. It is written by a thoroughly competent cultivator and is up-to-date in every particular. It contains 200 pages and 139 fine illustrations and is equally useful to the amateur and professional. \$2.50.

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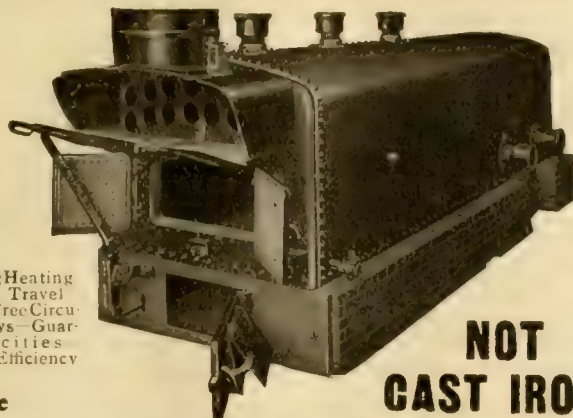
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The KROESCHELL BOILER

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Immense Self-cleaning Heating
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Safety—Durability—Efficiency
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Cast Iron Boilers Waste Fuel

I had a cast iron 8 section boiler before, but was afraid it would crack to pieces. The **Kroeschell Boiler** is certainly a fuel saver. My coal bill to heat 5000 sq. ft. of glass surface with your boiler is less than last winter's coal bill, when I only had 2050 sq. ft. of glass heated with the 8 section cast iron boiler.

Your boiler burns any kind of fuel. I would not have another boiler than a Kroeschell, and will recommend whenever I get a chance.

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Harrisburg, Pa.

STEAM OR HOT WATER
HEATING SPECIALIST.

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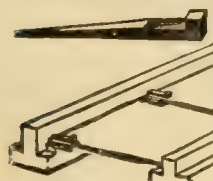
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Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{4}$ and $\frac{1}{2}$ inch. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade

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Good for small or large glass, do not rust, easy to drive $\frac{3}{4}$ and $\frac{1}{2}$ inch. Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00
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SASH BARS**
UP TO 32 FEET OR LONGER.

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We manufacture all our
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Pillsbury Carnation Staple

We find it very satisfac-
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Can't get along without
them. J. L. JOHNSON.

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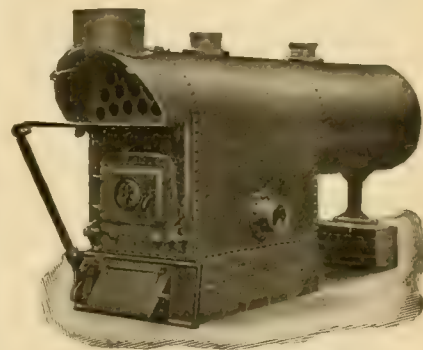
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"Superior" Boiler

Made in 9 Sizes.



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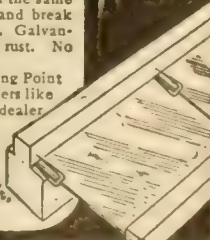
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Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

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Samples free.
HENRY A. DREER,
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Philadelphia.

FULL
SIZE
No 2



The Early Advertisement
Gets There.

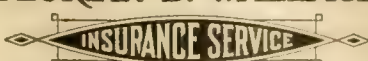
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10,000 \$1.75; 50,000 \$7.50. Manufactured by

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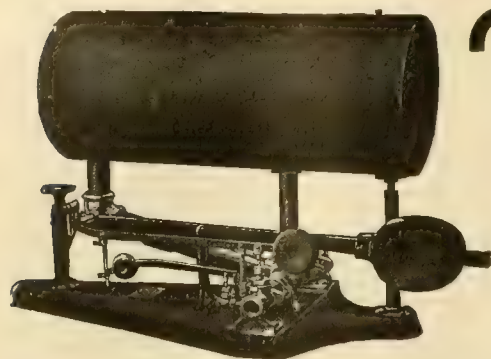
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—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

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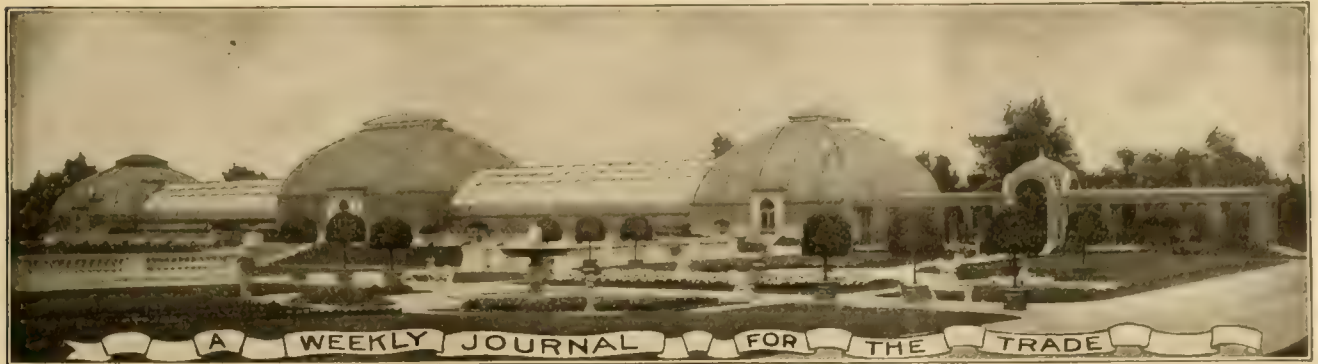
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The Early Advertisement Gets There

THE AMERICAN FLORIST



America is "the Prow of the L'essel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XL

CHICAGO AND NEW YORK, JULY 19, 1913.

No. 1311

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1913, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address; Ameflo, Chicago.
Subscription, United States and Mexico, \$1.00 a
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Twenty-eighth Street, New York, Secretary; WM.
F. KASTING, Buffalo, N. Y., Treasurer. Next
annual convention and trade exhibition at Minn-
neapolis, Minn., August 19-22, 1913.

AMERICAN SWEET PEA SOCIETY.

Annual convention and exhibition at New York,
1914. WILLIAM SIM, Cliftondale, Mass., President;
HARRY A. BUNYARD, 342 W. Fourteenth street,
New York, Secretary.

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at Buffalo, N. Y., September 17-19, 1913. H. M.
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LAWSON, JR., River Grove, Ill., Sec'y-Treasurer.

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25-27, 1913. JAMES B. SHEA, Boston, Mass., Presi-
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Treasurer.

AMERICAN GLADIOLUS SOCIETY.

Next annual meeting and exhibition at Minn-
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TON GAGE, South Natick, Mass., Sec'y.

RAILWAY GARDENING ASSOCIATION.

Seventh annual convention, Nashville, Tenn.,
August 12-15, 1913. C. H. TRITSCHLER Nashville,
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Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at Chicago,
November, 1913. CHARLES H. TOTTY, Mad-
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Park, Ill., Secretary.

AMERICAN SWEET PEA SOCIETY.

Boston, Mass., July 12-13, 1913.

The Annual Convention.

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Kirby (with Peter Henderson Co.,
New York), vice-president; Harry
Bunyard, New York, secretary (re-
elected); Arthur T. Boddington, New
York, treasurer (re-elected); John H.
Pepper, New York, recording secre-
tary (re-elected).

Executive committee: Wm. H.
Duckham, Madison, N. J.; W. Atlee
Burpee, Philadelphia, Pa.; J. K. M. L.
Farquhar, Boston, Mass.; Edward
Jenkins, Lenox, Mass.

Nomenclature and trials committee:
Prof. A. C. Beal, Cornell University,
Ithaca, N. Y.; G. W. Kerr, Doylest-
own, Pa.; Lester Morse, San Fran-
cisco, Calif.

The judges were: Thos. Roland,
Nahant, Mass.; Wm. H. Duckham,
Madison, N. J.; Edward Kirk, Bar
Harbor, Me.; Geo. W. Kerr, Doylest-
own, Pa.; A. H. Wingett, Lenox,
Mass.; Chas. Knight, New York;
Chas. H. Totty, Madison, N. J.; An-
drew Meikle, Newport, R. I.; E. H.
Wetterlow, Manchester, Mass.; S. God-
dard, South Framingham, Mass.; W.
T. Hutchins, Millbury, Mass.; Arthur
Griffin, Woburn, Mass.; W. H. Waite,
Yonkers, N. Y., and Wm. Kleinheintz,
Ogontz, Pa.

The exhibition was the finest ever
held by the society and as a special
show was equal to any ever held in
this country. Though essentially and
specifically a sweet pea show much
other good stock was seen, including
orchids, outdoor flowers, fruits and
vegetables. The exhibition occupied
the three large rooms of the building.
Prominent on the lower main floor
were the exhibits of R. & J. Farquhar
& Co., W. Attee Burpee & Co., and
A. T. Boddington, as well as many
smaller collections. The Farquhar ex-
hibit was very finely staged, there be-
ing many accessories in arches and
evergreens. In the quality of stock
the Burpee exhibit seemed to excel
and in our opinion was well worthy
the gold medal awarded it.

In the large upper room, in addition
to many vases, there was quite an

array of mantels and table decora-
tions, baskets and bridal bouquets. All
were interesting. We will here, how-
ever, take issue with some of our good
friends, the designers, in regard to
their manner of constructing a bridal
bouquet. The exhibitors at this show
are not the first who have erred along
this line, for in all the late shows the
tendency has been to construct a
bridal bouquet along the lines of a cab-
bage head. The poor bride has enough
to think about without lugging along
one of those monstrosities. The ex-
hibit of vegetables and small fruits,
such as raspberries, gooseberries, cur-
rants, cherries, etc., was very fine.

At the meeting it was reported by
Secretary Bunyard that the society
was in a very prosperous condition.
In response to an invitation from the
Horticultural Society of New York,
it was voted to hold the exhibition of
1914 in that city. An invitation was
read from the Panama Exhibition
committee of San Francisco, asking
the society to hold its 1915 exhibition
in that city. Prof. Beal detailed the
progress of the work on the trial
grounds at Cornell and G. W. Kerr
read an interesting paper on sweet
peas.

Sweet Pea Trials of 1913.

At this time it may be desirable to
note the progress made in the sweet
pea trials. This work was under-
taken in the Autumn of 1909, when
plantings were made for the purpose
of determining whether it is feasible
to plant sweet peas in the fall. The
results of this work were reported in
bulletin No. 301. The testing of va-
rieties has covered four seasons. Dur-
ing this period a large number of
varieties have been grown each year.
These have not all been distinct, for
a number of varieties have been
grown every year for the purposes of
comparison. The number of varieties
grown each year is as follows: 1910,
469; 1911, 435; 1912, 370; 1913, 200.

When we began our studies of sweet
peas, it was decided to make a
thorough study of the evolution of
the sweet pea, and for this purpose a

large number of the older varieties were grown. These have now been dropped from the trials, which explains in large measure the smaller number of varieties grown during the last season. Each year careful and complete notes have been taken of all the varieties, which give us, in the case of those varieties grown for comparative purposes, a record of the behavior of varieties in different seasons. In the case of the novelties, however, most of them have only been grown one season.

Three publications have been issued, and the writer is rapidly putting into final form all the descriptive notes on varieties. This material will be ready for publication at the close of the present season. The publications which we have already issued have had a gratifying reception, not only in this country, but in England.

This year the seeds which were received for trial were sown singly in 3-inch pots during the last week in March. Each pot was carefully labeled so that no mixing of varieties in handling could possibly happen. The pots were placed in the greenhouse until germination occurred, and then were transferred to coldframes, where they remained until they were planted in the field. The preparation of the land was similar to that which we have practiced heretofore. There was no rain for three weeks after transplanting, and for a time we thought the chances of success very unfavorable. However, the plants grew well after the rains and began to bloom about June 20. This year we have abandoned the use of string as a support, and have employed wire netting. This serves the purpose very well, except in the case of some varieties which required tying to the netting. In addition to the 150 varieties sown in pots, about 100 varieties were planted in the open ground. Owing to the late, cold season these were not planted until April 18, and at the present time only the Blanche Ferry and its near relatives are in bloom in this part of the trial ground. On the other hand, the plants from seed sown in pots are now blooming freely and are making a splendid show. This affords an excellent illustration of the relative earliness of the same varieties grown by the two systems.

Among the varieties of recent introduction now growing on the trial grounds are: Barbara, Bertie Usher, Betty, Blue Jacket, Captivation Spencer, Chastity, Coronation, Cyril Unwin, Dobbie's Cream, Edith Taylor, Irish Belle, John Ridd, Lady Evelyn Eyre, Lady Knox, Leslie Imber, Margaret Madison, Loyalty, Mauve Queen, May Campbell, Melba, Millie Maslin Spencer, Mrs. Cuthbertson, Mrs. Heslington, Mrs. T. W. Warren, Orion, Pearl Gray Spencer, Primrose Beauty, Princess May, Red Star, Rosabelle, Scarlet Empress, Scarlet Emperor, Vermilion Brilliant, Winifred Unwin, Zarina Spencer, Andrew Aitken, April, Brunette, Bolton's Scarlet, Charm, Clematis, Dobbie's Scarlet and Dobbie's True Lavender, Earl of Lovelace, Ella Kelway, Felicity, Gustav Hamel, Grace Darling, Helen Pierce Spencer, Inspector, Lillian, Laura Wyatt, Lila, Lord Nelson Spencer, Lady Miller, May Perrett Spencer, Mrs. E. Cowdy, Mrs. Reginald Hill and Southcote Blue.

At the present time, so far as we have studied the varieties, it appears that those of merit are: May Campbell, marbled carmine on cream ground; Charm (Fordhook Fairy), white, suffused with delicate blush lilac; Orchid, rich, deep lavender suffused with pink; Dobbie's Scarlet, brilliant scarlet; Lady Evelyn Eyre, a very large blush variety; Lila, a distinct variety, standards faint lilac, deeper at midrib, wings very light primrose; Orion, crimson; Mrs. Cuthbertson, rose pink standard and white flushed pale rose wings; Walter P. Wright, bluish lavender.

At the present date we would report that Inspector is better than Melba, and that both are better than Earl Spencer. The former shows a good percentage of doubles. Dobbie's Scarlet appears to be the best of the bright scarlets, although Red Star is good. Margaret Madison is doubtless better



Wm. Sim.

President American Sweet Pea Society.

than Flora Norton Spencer. Leslie Imber and Southcote Blue are no better than the latter. Helen Pierce Spencer, May Farquhar, Lord Nelson Spencer and Millie Maslin Spencer are good, but we will report on them later. Loyalty, Bertie Usher and Blue Jacket are blue striped varieties. Cyril Unwin resembles Arthur Green.

There are several cream pink, white, orange, maroon and mauve varieties, but nothing which at this date is superior to the standard varieties. These brief notes are subject to possible revision after further study, and the members of the society are referred to our forthcoming report for complete descriptions and comparisons of varieties. The recently organized Department of Floriculture proposes to continue to test new varieties of sweet peas each season, and hopes that the work which has been carried on may justify a continuance of the excellent support which the American Sweet Pea Society has given the work hitherto carried on at Cornell.

A. C. BEAL.

Chairman Trials Committee.

Awards.

SECTION A—PRIVATE GARDENERS.

Six vases of sweet peas, 25 sprays to a vase, six distinct Spencer varieties—Mrs. L. O. Richardson, Newport, R. I., (James Robertson, gardener) first; G. W. Vanderbilt, Bar Harbor, Me., (E. Kirk, gardener), second.

Ten vases of sweet peas, 10 Spencer varieties—Mrs. L. J. Emery, Newport, R. I., (Andrew L. Doward, gardener) first.

Best vase of White Spencer sweet peas—Miss Fanny Foster, Newport, R. I. (C. M. Rogholt, gardener), first; Mrs. L. O. Richardson, second.

Collection of sweet peas, 25 varieties, not less than 25 stems to a vase, to be shown with sweet pea foliage only—Mrs. W. B. Leeds, Newport, R. I. (W. Gray, gardener), first; Girard Foster, Lenox, Mass., (E. Jenkins, gardener) second.

Six vases Spencer or Unwin sweet peas—G. W. Vanderbilt, first.

Best vase of 25 blooms sweet peas, Vermilion Brilliant, without foliage—S. Carlquist, Lenox, Mass., first; Mrs. L. J. Emery, second.

Best vase sweet peas, Spencer varieties mixed, with foliage (not less than 100 blooms)—Mrs. L. O. Richardson, first; Mrs. L. J. Emery, second.

Twelve vases of Spencer sweet peas, in 12 varieties, 25 sprays to a vase—Mrs. W. B. Leeds, first; D. F. Roy, Marion, Mass., second.

Best display covering 24 square feet; sweet pea or other foliage can be used—Mrs. W. B. Leeds, first, High Lawn, Lenox, Mass., (G. Foulstian, gardener) second.

SECTION B—PRIVATE GARDENERS.

Twelve vases of sweet peas, 12 varieties—Miss Fanny Foster, first.

Best vase one variety of Spencer type sweet pea introduced 1913—Miss Fanny Foster, first; S. Carlquist, second; A. Heermans, Lenox, Mass., third.

Best vase Grandiflora type of sweet peas, one variety—High Lawn, first; A. Heermans, second.

Best table of sweet peas, to be arranged on a space four by three feet, and not to exceed three feet in height—A. W. Prescott, Swampscott, Mass. (J. L. Smith, gardener), first.

Twelve vases sweet peas, six Spencer varieties, six Grandiflora varieties, 25 sprays to a vase, with any foliage—A. Heermans, first.

Six vases of Spencer sweet peas in the following six colors: Crimson Spencer, White Spencer, Pink Spencer, Variegated Spencer, Lavender Spencer, Primrose Spencer—Mrs. L. J. Emery, first; S. Carlquist, second; A. Heermans, third.

SECTION C—AMATEURS.

Twelve vases sweet peas, 12 varieties, 12 sprays to a vase—Isabel H. Miller, Bustin Island, Me., first; Miss C. W. Lambert, Tyngsboro, Mass., second.

Largest collection of sweet peas, not less than five nor more than 10 sprays to a vase, all to be correctly named—J. A. Reddin, Cliftondale, Mass., first.

Twelve vases of sweet peas, 12 varieties, 10 sprays to a vase—Isabel H. Miller, first; J. A. Reddin, second; Miss C. W. Lambert, third.

Six vases of sweet peas, six varieties, 10 sprays to a vase—J. A. Reddin, first; Walter Blossom, Cliftondale, Mass., second; Isabel H. Miller, third.

Three vases of sweet peas, three varieties, 10 sprays to a vase—J. A. Reddin, first; Isabel H. Miller, second; Walter Blossom, third.

Best vase of mixed sweet peas, not more than 25 sprays—J. A. Reddin, first; Isabel H. Miller, second; Miss C. W. Lambert, third.

SECTION D—RETAILERS.

Mantel decoration (the mantel to be furnished by the exhibitor)—Wax Bros., Boston, Mass., first; Boston Cut Flower Co., second.

Bridal bouquet—Boston Cut Flower Co., first; H. R. Comley, second.

Hamper of sweet peas—Boston Cut Flower Co., first; H. R. Comley, second.

SECTION E—SCHOOL CHILDREN.

Best display of sweet peas, not to occupy more than 24 square feet, exhibited by any school—Saugus high school, Saugus, Mass., first.

Best vase of six white sprays of sweet peas (girls only to compete)—Lois Meier, Framingham, Mass., first; Gertrude Schulz, Boston, Mass., second.

Best vase white, six sprays to a vase—C. E. Hildreth, Worcester, Mass., first; Willa Blossom, Cliftondale, Mass., second; E. Parker, North Easton, Mass., third; Lois Meier, fourth.

Best vase light pink, six sprays to a vase—Willa Blossom, first; E. Parker, second; C. E. Hildreth, third; Lois Meier, fourth.

Best vase deep pink, six sprays to a vase—Willa Blossom, first; C. E. Hildreth, second; W. B. Midgley, Worcester, Mass., third; E. Parker, fourth; Lois Meier, fifth.

Best vase lavender, six sprays to a vase—W. B. Midgley, first; C. E. Hildreth, second; E. Parker, third; Willa Blossom, fourth; Lois Meier, fifth.

Best vase crimson or scarlet, six sprays to a vase—C. E. Hildreth, first; W. B. Midgley, second; E. Parker, third; Lois Meier, fourth; Willa Blossom, fifth.

Best vase any other color, six sprays to a vase—Willa Blossom, first; C. E. Hildreth, second; W. B. Midgley, third; E. Parker, fourth; Lois Meier, fifth.

Best bouquet of sweet peas—W. B. Midgley, first; C. E. Hildreth, second; A. C. Rust, Jamaica Plain, Mass., third.

Best vase of mixed sweet peas, not more than 25 sprays, open to school children—W. B. Midgley, first; E. Parker, second; Willa Blossom, third; C. E. Hildreth, fourth; Walter Blossom, fifth; Lois Meier, sixth.

SECTION F—MISCELLANEOUS CLASSES.

Finest display of sweet peas (open to the seed trade only)—R. & J. Farquhar & Co., Boston, Mass., first; W. Atlee Burpee & Co., Philadelphia, Pa., second; A. T. Boddington, New York, third.

Basket of sweet peas, wiring and other than sweet pea foliage allowed, arrangement to count—Miss M. C. Collins, Northboro, Mass., first.

Best vase of Mrs. Routzahn Spencer—Mrs. W. B. Leeds, first; G. W. Vanderbilt, second.

Best vase of George Herbert—A. Heermans, first; Colonel F. Mason, Taunton, Mass., second.

Best display of sweet peas covering 50 square feet. Foliage and plants other than sweet pea may be used—Mt. Desert Nurseries, Bar Harbor, Me., first.

Six vases, six varieties, 100 sprays to a vase, arranged for effect, gypsophila, sweet pea Haulm, ferns, or other foliage can be used—Peter Fisher, Ellis, Mass., first.

Sweet peas not yet in commerce—William Sim, Cliftondale, Mass., first.

Massachusetts Horticultural Society.

Prizes and gratuities awarded at the sweet pea exhibition of the Massachusetts Horticultural Society, July 12 and 13, 1913, were as follows:

SWEET PEAS.

Decoration for table of eight covers—Mrs. Gustav Peterson, first; Wax Brothers, second; Henry R. Comley, third. John Allen French fund, 25 sprays, any white variety—Mrs. Lester Leland, first; Mt. Desert Nurseries, second; Mrs. Lester Leland, third. Crimson or scarlet—Mrs. Lester Leland, first; Mt. Desert Nurseries, second; Mrs. Lester Leland, third. Rose



Harry A. Bunyard.

Secretary American Sweet Pea Society.

or carmine—Mrs. T. J. Emery, first; Col. Charles Pfaff, second; Mt. Desert Nurseries, third. Yellow or buff—Mrs. Lester Leland, first; Mt. Desert Nurseries, second; Geo. W. Vanderbilt, third. Blue—Mt. Desert Nurseries, first; G. W. Vanderbilt, second; Col. Charles Pfaff, third. Blush—Mrs. T. J. Emery, first; Mt. Desert Nurseries, second; Mrs. Lester Leland, third. Cerise—Mrs. T. O. Richardson, first; G. W. Vanderbilt, second; Mt. Desert Nurseries, third. Deep pink—Mrs. Lester Leland, first; R. W. Goelet, second; Mrs. Percy G. Forbes, third. Cream pink—Mt. Desert Nurseries, first; Mrs. Lester Leland, second; Mrs. Percy G. Forbes, third. Orange—Mrs. T. J. Emery, first; Mt. Desert Nurseries, second; G. W. Vanderbilt, third. Lavender—Mrs. T. O. Richardson, first; Mt. Desert Nurseries, second; Mrs. T. J. Emery, third. Violet or purple—Mrs. Lester Leland, first; Mrs. Percy G. Forbes, second. Mauve—Col. Charles Pfaff, first; H. Heermans, second; H. E. Converse, third. Maroon or bronze—Miss Fanny Foster, first; Mrs. Lester Leland, second; H. Heermans, third. Picotee edged—G. W. Vanderbilt, first; Miss Fanny Foster, second; Mt. Desert

Nurseries, third. Striped or flaked—Mt. Desert Nurseries, first; L. Carlquist, second. Any bicolor—Mt. Desert Nurseries, first.

Best vase, white, 25 Spencers to a vase—Mrs. T. J. Emery, first; B. A. Beal, second. Lavender—G. W. Vanderbilt, first; Mrs. T. J. Emery, second. Salmon or orange—John H. Halford, first; Mrs. Lester Leland, second. Crimson or scarlet—Mrs. Lester Leland, first; W. J. Clemson, second. Light pink—Miss Fanny Foster, first; H. Heermans, second. Dark pink—Mrs. Percy G. Forbes, first; W. J. Clemson, second. Any other color—G. W. Vanderbilt, first; Mrs. Lester Leland, second.

Grandiflora type—Best vase, white, 25 sprays to a vase—Miss Marion Collins, first.

SOCIETY'S PRIZES—AMATEURS.

Best vase, white, 12 sprays to a vase—J. A. Redden, first; Catherine W. Lambert, second. Pink—J. A. Redden, first; J. H. Miller, second. Dark pink—J. A. Redden, first; Catherine W. Lambert, second. Lavender—J. A. Redden, first; Catherine W. Lambert, second. Salmon or rose—J. A. Redden, first; Catherine W. Lambert, second. Crimson or scarlet—J. A. Redden, first; Catherine W. Lambert, second. Primrose—Walter D. Blossom, first; J. A. Redden, second. Any other color—Catherine W. Lambert, first; J. A. Redden, second.

For Children under eighteen years, best collection of sweet peas from a child's home garden—Edgar Parker, first; Gertrude Schulz, second; Evelyn Fisher, third; Willo F. Blossom, fourth; Pearl Loring, fifth. Special prize to Gertrude Schulz for two vases of flowers from a home garden.

GRATUITIES.

F. J. Dolansky, display of orchids; J. T. Butterworth, orchids; Mrs. J. L. Gardner; John Lewis Childs, display of gladioli; B. Hammond Tracy, display of gladioli; Mrs. J. L. Gardner, statice; Mrs. Lester Leland, display of tuberous begonias; Wm. Whitman, collection of phlox and mixed flowers; Col. Fredk. Mason, display of hollyhocks; Eastern Nurseries, display of herbaceous flowers; Mrs. E. M. Gill, display of cut flowers; Ellen Page, display of herbaceous flowers; W. J. Clemson, display of sweet peas.

HONORABLE MENTION.

W. A. Mandat, collection of orchids; Dr. Harris Kennedy, display of Japanese iris.

Vote of thanks to Mt. Desert Nurseries for *Lilium maculatum*.

FRUITS.

Benjamin V. French fund, No. 2: Raspberries, two quarts of Cuthbert—W. J. Clemson, first. Two quarts of any black variety—Mrs. R. Goodnough, first. Cherries, two quarts of any variety—C. V. Fletcher, Black Tartarian, first; Charles S. Smith, Coe's Transparent, second; Mrs. R. Goodnough, Black Eagle, third. Theodore Lyman fund, No. 1: Currants, best two quarts of Fay's—W. J. Clemson, first; William Whitman, second; Mrs. R. Goodnough, third. Best two quarts of Perfection—Oliver Ames, first. Best two quarts of any other red variety—G. V. Fletcher, Wilder, first; William Whitman, Red Cross, second; W. J. Clemson, Cherry, third. Best two quarts of any white variety—Oliver Ames, White Queen, first; W. G. Kendall, White Grape, second; W. J. Clemson,

White Queen, third. Collection of six baskets, one quart of each, not less than four varieties—William Whitman, first.

SOCIETY'S PRIZES.

Gooseberries, collection of six baskets, one quart of each, not less than three varieties—W. G. Kendall, first; Wilfrid Wheeler, second; W. J. Clemson, third. Two quarts of Chautauqua—W. G. Kendall, first; H. A. Clark, second; William C. Winter, third. Two quarts of Industry—W. G. Kendall, first; Oliver Ames, second; W. J. Clemson, third. Two quarts of Triumph—Joseph S. Chase, first. Two quarts of any other variety—W. G. Kendall, Bates, first; H. A. Clark, Columbus, second; W. J. Clemson, Columbus, third. Largest and best collection of midsummer fruits, arranged for effect with their own foliage—G. V. Fletcher, first; Peter Anderson, second.

PLANT NOTES.

Pyrethrums.

An early summer flower that is very showy and beautiful, ranging in colors from white to the deepest scarlet with all the intermediate shades, is the *Pyrethrum roseum*, and it is being much more grown every year for cut-flower purposes. The best flowers are to be obtained by buying named varieties, but good selected seed will give fair satisfaction and many handsome flowers. The greatest trouble in growing these plants in the north is the danger of winter killing and crown rot during extremely wet spells in hot weather. Seed sown during July and August and wintered in houses or cold frames will produce plants that will flower next summer. Obtain the best

seed possible and sow in flats and as soon as large enough pot in 2½-inch pots. These can be grown on in a frame until cold weather comes on, when they can be securely covered or carried into a cool house and wintered under a bench, started in March and planted out as soon as secure from frost, and will flower in June and July.

Paper White Narcissi.

The Paper White narcissi are now being received and as soon as delivered should be unpacked and spread out in flats or on shelves in a cool, dry place. If they remain in the original cases, they are apt to become moist or heated when packed closely. They should be handled carefully and not thrown around so that they become bruised or the outer covering torn off. This covering is a great protection for the bulb, preventing it from drying. Plan how the bulbs are to be flowered, that is, how many are to be brought forward each week, and start at once to box up the first lot and then continue the plantings at the desired intervals. The flats or boxes should be prepared at once, not only for these, but for the other bulbs. It is the general custom to use any old box that can be obtained, and they are, therefore, of different sizes and different depths. They do not pack closely when placed outside, neither do they seem to fit on the bench in an economical manner. Our experience has been rather than to buy a mixed lot of boxes or different sizes, it is better and cheaper to purchase stock at the lumber mill and saw it into the proper length. Get one-half-inch stock, three inches wide, for the sides and bottom and one-inch stock the same width for the ends. Saw the ends 12 inches long and the sides 24 inches. This will make a flat 13x24 inches by using four pieces for the bottom and will allow proper drainage. A flat of these dimension will hold about 50 Paper White narcissi or 60 to 70 tulips, and will cost but little more in the price of the box and can be made with much less labor, and when the boxes are all of one size they can be placed upon the



BEGONIA GLOIRE DE LORRAINE.

Grown by Samuel Murray, Kansas City, Mo.

GRATUITIES.

William Whitman, collection of currants; William C. Winter, peaches.

VEGETABLES.

William J. Walker fund, collection of vegetables, not less than eight varieties, tastefully arranged—W. J. Clemson, first; Col. Frederick Mason, second; W. Heustis & Son, third.

GRATUITIES.

Oliver Ames, tomatoes; Mrs. Frederick Ayer, tomatoes; Norris F. Comley, tomatoes; William Whitman, collection of vegetables; Mrs. Alice A. Warburton, collection of vegetables.

IVORYTON, CONN.—H. P. Chapman has sold the last of his greenhouses and it is being taken down and remodeled.

LANSING, MICH.—A new modern greenhouse will be erected soon on Spring street by Mark Doty and Dwight C. Huggett, the former assuming charge of the place.

BOSTON, MASS. — John Fitzgerald, who was accidentally shot in the abdomen by his 11-year-old son, while on a visit to Michael S. Gray, a florist, of Milton, is expected to recover.



A WELL FLOWERED HYDRANGEA.



HYDRANGEAS AT THE DONALDSON GREENHOUSES, MINNEAPOLIS, MINN.

benches with much saving of room. As soon as the bulbs are planted in the flats they should be placed in a dark, cool place and covered with soil or ashes until rooted, when they can be brought into the houses. The early planted bulbs will require good heat to bloom them successfully, much warmer temperature than the later planted bulbs.

Sweet Scented Geraniums.

The grower who has a stock of rose or other sweet scented geraniums can turn them into good account by planting them in a bench in the greenhouse and can obtain some fine sprays for winter cutting. The green is very much appreciated by the best trade and there is always a demand in the stores catering to that class for more of this than can be obtained. The sprays are cut 12 to 14 inches long and are used in the boxes of cut flowers. There is also a demand for the leaves, to be placed in the finger-bowls at luncheons. It is easily grown in a cool house and very rapidly makes long sprays fit to cut. The plants can be set about eight inches apart, which will give them plenty of room, provided the sprays are cut as soon as they are long enough for use.

Hydrangeas.

The young stock that was propagated this spring can be grown either for Easter blooming with a single stem

or for summer blooming with three or four heads. The plants should be now potted in 4-inch pots and plunged in a frame, where they will receive attention. They should have a good rich soil and a strong, sturdy growth encouraged. For those that are to be bloomed early, as soon as the pot becomes full of roots a little liquid manure will help the formation of a good strong bud. Those that are wanted for summer blooming, the tip can be rubbed out and branches will form. Leave the plants outside until the first light frost, which will harden off the wood, and they can then be stored in a cool house or pit where they will not freeze. Those wanted for Easter will have to be placed in heat by the first of the year.

Begonia Gloire de Lorraine.

The early rooted Begonia Gloire de Lorraine will now need shifting into 3½-inch pots, and should be given a little stronger soil than the young stock was potted in, but the manure used should be well rotted, and, where obtainable, a generous addition of leaf-mold. As the plants grow, space them out so that they will not become drawn and so that there is a good circulation of air around each plant. They will need a little shade on the glass for a few weeks, yet, but it should not be too heavy. As the nights become cool it is well to close the frames down if they are outside, or if in the

greenhouse, close the ventilators, leaving a small crack of air on, or the house will sweat, which is not at all beneficial to begonias, as it is very apt to cause spot on the leaf. If this occurs remove the leaf at once. Care should be taken in the watering not to wet the foliage any more than possible. The later rooted stock will not need plotting up until later, but all the growth possible should be obtained by giving them the best of attention. If the grower has not stock enough on hand, now is the time to purchase before the plants are shifted into large pots, when the price will be higher and the transportation charges increased.

Tacoma Rose Show.

The third annual rose show of the Tacoma Rose Society, recently held in the Armory, was beyond a doubt, one of beauty and success. Large crowds were constantly in attendance, and the unanimous expression was that it was the best yet, and with no possible chance for any locality to produce more beautiful and perfect roses. Hundreds of varieties were shown, including every type, and the number reached nearly 100,000 fine flowers. An idea may be had of quality when we say they were selected from millions.

The judges selected as the 12 most perfect roses of any one variety a collection of Madam Caroline Testout, grown in the Thornhurst gardens and exhibited by Mrs. Chester Thorne.

The broad blue ribbon, signifying the grand prize, was attached to the jar in which the dozen regal pink blossoms stood, and the Rose Society cup was presented to Mrs. Thorne. The best three Hugh Dickson roses, for which the Rotary Club offered a cup, and for which also Hugh Dickson of Belfast, Ireland, specified his intention of making a handsome award, were shown by Mrs. J. F. Garrow. This trophy will have to be won three times in

become established in these frames, thus utilizing the space that has been occupied with bedding stock in the spring, and allowing the greenhouse space to be put to other uses during the summer, and also to be repaired and painted where the latter may be needed. The potting of seedling ferns is a somewhat tedious operation, but may be done to better advantage if the work can be divided among several hands, for example, one to lift

like very minor details to those familiar with the work, but these details all count for success, and the beginner at the business does not always remember them at the right time.

Potting soil for these small plants should be sifted rather fine for convenience in handling, and a light loam will answer the purpose very well, avoiding the use of fresh manure in the soil on account of the possible excess of ammonia in such material. Insects do not trouble the young ferns to any great extent in the frames, unless the weather should continue very hot and dry for a long period, when an outbreak of thrips may be looked for, and in order to avoid this trouble it is good practice to spray the young plants at intervals of a week or so with one of the nicotine solutions, no spraying of this character being needed until the plants have been established for some time. There is more danger from thrips if grass or weeds are allowed to grow near the frames, such plants being natural hosts for these pests. The spraying should, of course, be done toward night, when it will be much more effective than during the sunny hours of the day. Those growing Boston ferns, and there are few retail growers who do not handle more or less of these useful plants, will find that the stock plants that were planted out in the bench early in the season are now producing runners freely, and the young plants should be taken off as soon as they develop some roots, and potted into small pots.

It is surprising how rapidly these *nephrolepis* grow, and one way in which to assist nature in forming salable stock quickly is to plant three young plants together from 2-inch pots into a 5-inch pot, thus forming a shapely plant in a short time, at a comparatively small outlay. The original Boston fern, and also the dwarf varieties of it, for example, *Nephrolepis Scottii* and *N. Giatrisii*, will stand quite free syringing overhead during warm and bright weather, and be benefited by it, but the cut-leaved and crested *Nephrolepis* do not enjoy syringing to the same extent,



TACOMA ROSE SHOW.

First Prize Exhibit by Watson, Florist.

succession by the same grower before it becomes permanent property. The displays made by Tacoma florists were beautiful. The Metropolitan Park board put in a display of especially fine out-door hardy blooms and plants. Mrs. Watson received the cups as awards for the finest display by any professional florist. Tacoma is literally and truly a city of beautiful roses and homes, and all people who visited our show expressed themselves surprised with delight. Receipts were larger than expenses, which insures a good show next year. The rose "Hugh Dickson" has been selected as the Tacoma Official Rose.

and separate the clumps of seedlings, another to do the potting, and others to carry away and set the plants, not forgetting the necessity of watering in the young plants as fast as they are in position to receive it, for a little neglect in this particular may result in a serious check to the plants. Both roots and foliage of these young ferns are delicate and it is therefore best to have the potting bench in a shaded position, and one that is not too much exposed to the wind, and also to have the work so timed that there will not be too many loose plants lying about on the potting bench exposed to the air. Some of these things may seem

FLORISTS' FERNS.

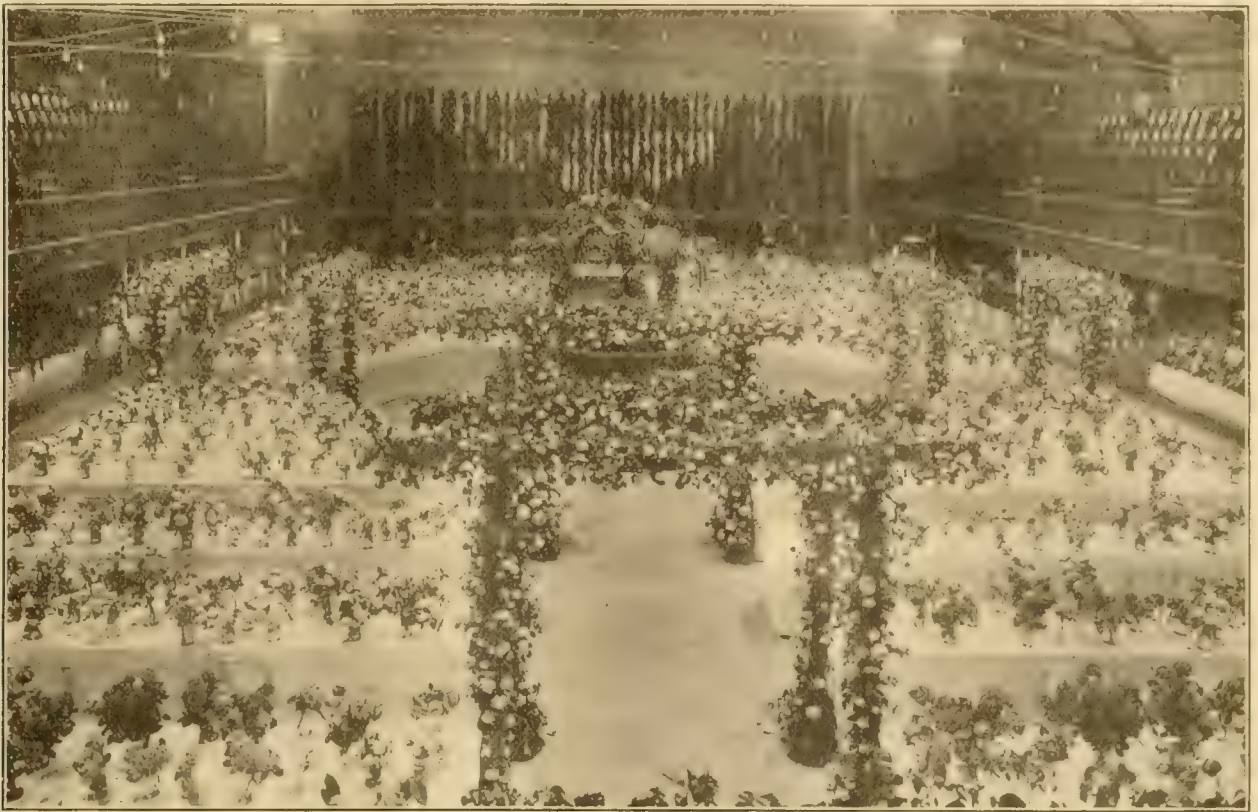
Potting Ferns.

The month of July usually provides plenty of work for the fern grower, from the fact that about this time much of the young stock is ready for potting off from flats or pans. Those of rapid growth, among which are various members of the *Pteris* family, are likely to get too large for convenient use in fern pans when potted off early in the summer, but when placed outdoors in shaded frames with abundant ventilation, these plants will keep shorter in growth and make more serviceable stock for autumn use than those that have been kept in the greenhouses. The frames should have an inch or two of fine ashes or sand on which to set the pots, and the sashes should be raised on a light framework above the walls, in order to allow a free circulation of air at all times.

When properly cared for in regard to watering the young plants will soon



VIEW OF TACOMA ROSE SHOW.



VIEW OF TACOMA ROSE SHOW.

such treatment tending to bend down the fronds, and sometimes inducing damping off in the center of the plants. Any old plants of these ferns that may have been left over from the spring sales should be carefully looked over for scale insects, for they are very liable to become infested with that troublesome brown scale that soon makes yellow spots on the foliage. It is better to throw away such stock than to try to clean it and at the same time to take the risk of infesting young stock with the same insect.

Cibotium Schiedei is a fern that grows into money quite rapidly during the summer months, but not every small florist can handle this fern to advantage, from the fact that his customers may not appreciate it to its full value, and in some small towns Boston ferns at 75 cents to \$1.00 each may be sold very much more rapidly than *Cibotiums* at \$2.00 and upwards, and for that matter this does not apply to small towns only. But where it may be sold, and that area is doubtless increasing every year, the *Cibotium* is a most satisfactory fern, extremely graceful and beautiful, and what is even more to the point, a very reliable house plant. Young plants of this fern from 3-inch or 4-inch pots still have time to reach a useful size before winter, provided they are potted on as they require it, and given a moderately shaded house, plenty of water after they are established, and an abundance of fresh air.

W. H. TAPLIN.

NEW BEDFORD, MASS.—Wm. P. Pierce, for more than 37 years proprietor of a flower store at 230 Union street, is now located at 610 Pleasant street.

THE CARNATION.

Seasonable Notes.

At this season, the old plants are rapidly approaching the close of their term of usefulness, and tearing out the plants, emptying and repairing the benches, refilling with fresh soil, and thoroughly cleansing the houses, are the order of the day, and of many days in most carnation establishments. While some growers have adopted concrete benches for their carnation houses, the majority still use wooden benches for this purpose, and this signifies that more or less rotten wood may be encountered each season at the time of emptying. Cypress benches, with a liberal coating of whitewash, last a long time, in some cases more than ten years, but yet there may be some sappy pieces among the lumber, and consequently some repairs. It is also the best time to repaint the interior of the houses, while the plants are out, though it is not always convenient to do this work at such a time. A good fumigation with sulphur is also beneficial to the empty houses, in killing various insects, and a thorough cleaning of all rubbish from beneath the benches will also help to provide better conditions for plant-growing. All these operations are likely to occur during the hottest period of the year, unless it may be an exceptional season, like that of 1912, and some shading on the houses will make the work much more bearable, and will do no harm to the new stock, when it is planted in from the field, unless the shading is made too heavy or allowed to stay on the glass too long. In the meantime, the young stock in the field must not be overlooked, for on their welfare depends most of the success of the coming season. Keeping the surface of the soil open and free from weeds, and

hand-weeding around the plants if necessary, so that the plants get all the benefit possible from their temporary sojourn in the open air, are simply details of the weekly routine at this time, but they are all necessary in order to produce the best results. Topping will require attention each week, unless the weather proves very dry and unfavorable, for the shoots run up very quickly, and the more breaks one can get before lifting the more flowering shoots the plants will carry later in the season, and planting time is coming on rapidly, with its additional work, and this, also, brings with it some details, among which may be found the admonition to balance the work so that the plants will not be kept out of the ground long enough to do them serious injury. Dig fast enough to keep the planters supplied, but do not have a lot of plants lying around in the sun, for it takes some time for them to recover from such treatment, and some of them may never recover. Then water in thoroughly, so that the water will reach all the roots of the plants, repeating the watering two or three times, if that be required to thoroughly permeate the ground. Such a watering as this may keep the plants in condition for several days after planting, if they are regularly sprayed overhead, three or four times per day for the first few days. A good hard plant from the field will take up much moisture after planting in the greenhouse, but such a plant will recover much quicker than one with a soft and sappy growth, such as has been produced in a wet season. Then get staking and tying attended to just as soon as possible after planting, for when the plants are spread all over the ground they are likely to get broken, besides the dirt that gets washed over the foliage in watering. In short, "keep everlastingly at it" is a good motto for the carnation grower as well as for the advertising man.

DIANTHUS.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

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VISITORS to Cap d'Antibes, France, have been much impressed by the dainty flowers of the new freesias.

SUBSCRIBERS should renew promptly to insure regular delivery of the paper. The yellow address label on the paper shows date of expiration.

THIS season Begonia Gloire de Lorraine, and other hybrids and varieties of that type, appear to be affected by what James Sproule called "growth depression."

IN a recent circular the department of horticulture of the Panama-Pacific International Exposition calls attention to its \$1,000 cup to be awarded for the finest unnamed new rose never before exhibited. Competition is open to all. The exposition opens February 20, 1915, and because of the mild climate the management expects to have the outdoor exhibits growing in the ground at least seven months in advance of that date.

THE Argentine Touring Club has decided to award a special gold medal annually to the landowner in the province of Buenos Aires who plants the most trees at the sides of the public highways. The trees may be fruit or forestal, and instructions and advice concerning planting may be had from the Touring Club.

Convention Sports Prizes.

C. N. Ruedlinger, local chairman of the Society of American Florists' convention sports committee, advises that he is now ready for such prizes as members of the trade wish to donate for the sporting events to take place at Minneapolis, Minn., during convention week, August 19-23. All contributions and donations for this purpose should be addressed to C. N. Ruedlinger, 2924 Aldrich avenue south, Minneapolis, Minn.

Minneapolis Trade Exhibition.

John Young, secretary of the Society of American Florists and superintendent of the trade exhibition, is now located on the ground at Minneapolis, where intending exhibitors should address him, care of the Andrews hotel. Mr. Young reports that everything in connection with the forthcoming convention and exhibition has been attended to splendidly by the local trade. The outdoor plant exhibit, under the able supervision of Vice-President Wirth, is in a most satisfactory condition and should be just right for inspection during convention week. This outdoor display will be a pleasant surprise to many of the visitors.

Chicago to Minneapolis.

The Chicago Florists' Club has selected the Chicago Great Western railroad as the official route to Minneapolis, Minn., for the annual convention of the Society of American Florists, August 19-22. The Florists' Special will leave the Grand Central Station, Fifth avenue and Harrison street, at 6:15 p. m., August 18, arriving in Minneapolis August 19 at 7 a. m. The rate from Chicago to the convention city and return is \$16.00. Florists and their friends, whether members of the club or not, who start from or pass through Chicago, are cordially invited to join the crowd for the trip. The train will be one of the best appointed in the country, and will include buffet-library cars, compartment-drawing room sleeping cars, observation and dining cars. The sleeping car rates are \$1.60 for upper berth and \$2.00 for lower berth. Compartments are \$5.00 and drawing rooms \$7.00. A table d'hôte dinner on the train will be a feature of the trip. Full information may be had by addressing J. B. Deamud, Chairman Transportation Committee, Chicago Florists' Club, 160 North Wabash avenue, Chicago.

Hail at Columbus, O.

What was probably the most disastrous hail and wind storm of its history, visited Columbus, O., July 9, and resulted in damage to buildings and crops to the extent of \$150,000. Hailstones from 2 to 3½ inches in diameter accompanied by a 45-mile-an-hour wind landed with such irresistible force that the stones bounded six feet in the air, when striking hard surface. Garden truck and corn crops

south of the city suffered almost a total loss. The heaviest sufferers from the hail and wind were the greenhouse and nurserymen. The largest single loss was sustained by the Columbus Floral Co., the loss to its seven greenhouses on Groveport Pike, being reported about \$20,000, in spite of the double strength glass. In the greenhouses of U. G. Swingle, a half mile south of the Columbus Floral Co., not a single glass was broken. Other florists and nurserymen who suffered loss from the hail are reported as follows: H. W. Kropp, \$3,000; Peter Fornoff, \$8,000; Emil Metzmaier, \$2,000; the Hellenthal plant, \$3,000; C. A. Roth, \$5,000; Theodore Olpp, \$2,000 and Sherman Stephens, \$200. Mr. Kropp had just finished putting glass in four new greenhouses and not a whole pane remained after the storm. At the Livingston Seed Company farm, four miles west and north, there was not enough rain to drive persons to shelter and their crops were not damaged. About one-third of the glass in the greenhouse at Schiller Park was broken, and scarcely a house on east High street and south Deshler avenue escaped broken windows. The storm lasted about eight minutes, and afterwards the hailstones were picked up with shovels to clear the flower beds.

The Late John Faber.

John Faber, the first florist to start in business at Kankakee, Ill., died July 9 at the age of 90. He was of German parentage and was one of the founders of St. Mary's German Catholic church. Mr. Faber established a greenhouse and cut flower store in 1869 and continued in business until 20 years ago, when he retired, turning the business over to his sons, who now operate under the name of Faber Bros. The late Mr. Faber is survived by five children: Tracey, John, Jr., and George Faber of Kankakee; Sister Celesta of Joliet and Barthol Faber of Hammond, La.

Meetings Next Week.

Detroit, Mich., July 21, 8 p. m.—Detroit Florists' Club, 247 Randolph street.
Grand Rapids, Mich., July 21.—Grand Rapids Florists and Gardeners' Club, office of member, Edward Freyling, secretary, -891. Wealthy avenue, Grand Rapids.
Hartford, Conn., July 25, 8 p. m.—The Connecticut Horticultural Society, County building.
Montreal, Que., July 21, 7:45 p. m.—Montreal Gardeners and Florists' Club, Royal Guardians' building, 224 Sherbrook street west.
Providence, R. I., July 21, 8 p. m.—Florists and Gardeners' Club of Rhode Island, 96 Westminster street.
Toledo, O., July 22.—Toledo Florists' Club, E. A. Kuhnke, secretary, 929 Prouty avenue, Toledo.
St. Louis, Mo., July 21.—Retail Florists' Association, Hotel Washington.

July.

Spires of swinging bell-flow'rs, drifts of rosy phlox,
Pinks in spice-sweet clusters, softly-color'd stocks,
Blue-flam'd larkspur torches splendid 'gainst the sky—
Ah! that's Summer's pageant, ah! that's sweet July.
Magic beds of poppies, roses rich and rare,
Roses darkly damask, roses ev'rywhere,
Roses tossing gold-cups with the wind on high—
Ah! that's pomp of Summer—ah! that's sweet July.
Hollyhocks most stately, silken-bloom'd and sweet,
Freakish pansy-faces smiling at their feet,
Sweet peas pois'd like fairies, forth at dusk to fly—
Ah! that's Summer's wonder—ah! that's sweet July.
Lilies of Our Lady, pale and cool as snow,
Lavender all blue mists, herbs in order'd row,
Songs at dusk and dawning, soft airs stealing by—
Ah! that's Summer's zenith, best-belov'd July!
—A. Hancock in the London News.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By gardener, on commercial or private place; 12 years' experience growing all kinds of cut flowers, plants under glass, vegetables and taking care of lawns; Englishman, age 26. Address, Key 860, care American Florist.

Situation Wanted—By Gardener, on commercial or private place; 12 years experience in growing all kinds of cut flowers, plants under glass, vegetables, care of lawns. Age 26. Address, Key 852, care American Florist.

Situation Wanted—In private place, 18 years experience in flowers, vegetables, care of lawns, well up in all branches. Can speak English, German and Swedish; age 32 years. Married, no children. Address, Key 851, care American Florist.

Situation Wanted—Young business man of refinement who has failed in his own business, wishes to meet widow who owns large store. Desires position as designer of floral pieces for funerals. 30 years old. Address, Key 850, care American Florist.

Situation Wanted—As Gardener on commercial or private place, German, age 38, married, with small family. 22 years experience in all branches of gardening and florist work. Good landscape gardener. Can furnish best references. Address, Key 854, care American Florist.

Situation Wanted—By gardener, Scotch; as head in private place; experienced in all branches of gardening, inside and out. Over 20 years in large establishments growing all kinds of greenhouse plants and vegetables. Also care of lawns and landscape work. Age 37; married; no family. ARCH LITTLEJOHN, 39 Temple St., Somerville, Mass.

Situation Wanted—By a Scotch gardener, 25 years' experience in this country and Great Britain. Well up in all branches of horticulture, the growing of all kinds of greenhouse plants, orchids, fruit under glass and fruit out of doors, flower and vegetable garden, landscape work, the making of lawns, roads and good forests. The best of references. Address, Key 867, care American Florist.

Help Wanted—A-1 Rose Grower, must be sober and reliable. German married man preferred, familiar with growing in the East. Address, Key 857, care American Florist.

Help Wanted—Section men for roses and carnations. Wages, \$75.00 per month. Also plant man, \$65.00 per month. Address, WALTER ARMACOST & Co., Ocean Park, Cal.

Help Wanted—A good plant man, must understand the growing of all kinds of pot plants; good reference necessary. Address, Key 845, care American Florist.

Help Wanted—A Rose Grower, \$75.00 per month. Married man preferred. HESS & SWOBODA, 1415 Farnum St., Omaha, Neb.

For Sale—Several ice-boxes at a reasonable figure. Address Key 838, care American Florist.

For Sale—Store and greenhouse, 2000 feet of glass; 50x150 feet of ground. Wishing to retire. J. NELSON, 1749 Huron St., Chicago.

For Sale, rent or exchange—Two greenhouses, 2,800 feet of glass; established business; immediate possession. A bargain. PATTERSON, Horn Building, Corry, Pa.

For Sale—3 houses about 7,500 feet of glass; 4 acres; dwelling and barn; 20 miles from New York City; 2 minutes to station. Address, CHAS. MILLANG, 55 W. 26th st., New York.

For Sale Cheap—Two horizontal return tubular boilers, one 50 h. p., one 40 h. p., suitable for greenhouse or heating plant. Write for full description and price. W. H. BARRETT, Adrian, Mich

For Sale or Rent—Greenhouse, 10,000 sq. ft. of glass; modern Concrete, Iron and Wood construction double strength glass, steam heated, electric lights, city water, built in 1909. Best condition. Population, 14,000; location, Oklahoma. Price right. Address, D. B. N., Box 82, Clarion, Iowa.

For Sale—If taken at once, at a reasonable price, two lots, one vacant the other occupied by a five room modern cottage and a greenhouse built in 1911. The greenhouse is 19x100 feet, with boiler shed adjoining, 18x18 feet. Address Key 862, care American Florist.

For Sale—A well established greenhouse business in Northwestern Wisconsin, consisting of about 5,000 feet of glass, 9 room dwelling, 3 acres land, horse, wagons, auto delivery, etc.; well stocked, and clearing from \$700 to \$900 a year. Address, Key 861, care American Florist.

For Sale—Flourishing greenhouse business, five greenhouses with frames; near growing British Columbia town. Cut flowers, tomatoes, grapes, lettuce. Located in small orchard with valuable lake frontage in coming tourist region. Really genuine opportunity. Cash \$3,500, balance terms. BEALBY, Nelson, B. C.

For Sale—Four greenhouses; two 100 ft. long and two 60 ft. long; mostly new houses; the best market for retail and wholesale business; good shipping facilities to Philadelphia; near the large summer resorts of New Jersey. Selling on account of ill health. If my son was old enough I would not part with the place at the low price of \$3,800. Address, Key 863, care American Florist.

FOR SALE

Owing to the death of Mrs. Emily Arnold, old established florists' business in Omaha, Neb. Land 120 x 140 feet; about 12,000 square feet of glass; brick building 32 x 80 feet, including store and basement, with residence above. Fully equipped for business. For further particulars address the administrator.

A. L. REED, United States Trust Co., Omaha, Neb.

FOR SALE

Three second hand steel hot water boilers 14 ft. long by 5 ft. wide. New 4-in. flues. Used only 4 years. Guaranteed in good condition. \$200 each on board cars.

GEORGE REINBERG,

162 N. Wabash Ave., CHICAGO.

Help Wanted.

Gardener, to run a small greenhouse plant singlehanded; must be a responsible party. Wages, \$75.00 and house.

A. Klokner, Wauwatosa, Wis.

HELP WANTED

By Large Southern Florist
DECORATOR AND DESIGNER

Engagement open September 1st. Want man experienced in large party and ball decorations and first-class storeman. Permanent position to right man and good salary. Answer, giving experience and references in first letter. Address,

Key 864, care American Florist.

CARNATION FOREMAN.

Good grower for a large range in Chicago. Must be an A-1 man. None other need apply. Good wages to the right party.

WIETOR BROS.,

162 N. Wabash Ave., CHICAGO

WANTED

CARNATION FOREMAN.

One capable of taking charge of a large plant near Chicago. Good wages for the right party. Give full particulars when writing. Address,

Key 865, care American Florist.

SITUATION WANTED.

As Foreman, by an A-1 Carnation and Chrysanthemum grower. Can come highly recommended. Middle west preferred. Address,

Key 866, care American Florist.

NOTICE

—OF—

STOCKHOLDERS MEETING

CHICAGO, July 17, 1913.

Stockholders of the American Florist Company

You are hereby notified that the annual meeting of the stockholders of the American Florist Company will be held in the Hotel Radisson, Minneapolis, Minn., Wednesday, August 20, 1913, at 3 o'clock p. m., for the purpose of electing directors and officers for the ensuing term and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.
M. BARKER, Sec'y.

TO FILL THE EMPTY BENCHES

OFFER YOUR SPECIALTIES NOW

CHRYSANTHEMUMS,
ROSES, LILIES,
PALMS, BEGONIAS,
BOSTON FERNS, ETC.

BEAUTIES

Sunburst, Pink and White Killarney

A FINE LOT OF THESE NOW COMING IN.

Carnations

We offer Pink and White Carnations at \$10.00 per thousand in lots of 500 or more and Roses assorted, \$20.00 per thousand in lots of 500 or more.

BASSETT & WASHBURN

LONG DISTANCE PHONES,
CENTRAL 1457.
AUTO., 47-314.

OFFICE AND SALESROOM,
131 N. Wabash Ave., CHICAGO, ILL.

Chicago.

A SCARCITY OF STOCK.

Stock on the local market was scarce on Saturday, July 12, but this was not due altogether to the increased demand, although trade was a little better than it has been, but to the general shortening up of stock. Carnations are about done and what few really good blooms are arriving are disposed of quickly at fair prices. Roses especially are much scarcer and have advanced considerably in price. White roses are in good demand and clean up quickly. American Beauty roses are moving better than for some time and now command better prices. Some good northern grown peonies are arriving but these also sell well and no great surplus is to be seen. Orchids have advanced in price also and the best blooms are now selling at \$5.00 a dozen. Gladioli are bringing good prices, especially the best Augusta, of which some fine stock is now arriving. Asters have made their appearance but in no great quantities and move quickly, cut blooms of hydrangeas and phlox are obtainable and there is still a large surplus of gaillardia, schillea, feverfew, daisies, gypsophila, larkspur and marigolds. Silver Pink snapdragons are to be seen at some of the stores and pond lilies are still offered in large quantities. Greens of all kinds are plentiful with the exception of galax. Business was much quieter the opening of this week but trade last week was very satisfactory and much better than was expected. July so far has been a very good month compared with last year according to some of the wholesale houses and while trade could be better, the majority of the dealers seem to be pretty well satisfied with the amount of business that they are doing.

NOTES.

It has just been called to our attention that John Kruchten's name was omitted from the list of the young men on the market who presented Pitcher Brown of the Cincinnati team with 200 American Beauty roses in the afternoon of July 4 in an item which appeared in our last week's issue. Mr. Kruchten is a warm admirer of the star twirler and is always on deck when it comes to presenting the well-known player with any bouquets.

Mr. and Mrs. Thomas Fogarty entertained a number of their friends at their home, last Thursday, July 10, and among those in the trade who were present were: A. T. Pyfer and wife, Dominick E. Freres and wife and the Misses Nettie Parker and Olga Tonner. Everyone had a delightful time and report that the "eats" were splendid.

Mrs. Frank Williams, of the Atlas Floral Co., is spending her vacation at Mount Clemens, Mich. Miss Hirshberg reports business at the store as good, and says that one of the many orders that were filled the past week was a beautiful casket cover of Killarney and White Killarney roses and orchids.

John G. Lambros has filed a petition in bankruptcy and the first meeting of the creditors, when a trustee will be appointed, will be held on July 22, at 10 a. m., in Room 907, Monadnock building, 53 West Jackson boulevard.

A. T. Pyfer of the Chicago Carnation Co., left on July 14 to enjoy a vacation at Dixon. Jack Byers, this firm's obliging young salesman, is back from a delightful outing at Saugatuck and Fremont, Mich.

Harry Nicholson, who has been visiting his folks at Framingham, Mass.,

stopped off here, on July 12, to visit friends, leaving the day following for Excelsior, Minn., where he has charge of a commercial place.

Percy Jones received a large shipment of six inch netting, this week. Judging from the way this shipment is disappearing one would say it is good property, for it is moving rapidly at the prices offered.

Fred Ottenbacher, of the Zech & Mann force, says that his wife was discharged from the Chicago Union Hospital, last week and that she is slowly recovering from the effects of her recent operation.

Adam Schutz, who recently purchased the Max Klippin store, at 3118 West North avenue, is well pleased with his present location and is steadily building up a good trade.

Chas. Drissler, of the Wietor Bros.' store force, is enjoying his vacation and it is rumored that he left with his family to take in the sights at Yellowstone Park.

Erne & Klingel are receiving a large supply of outdoor flowers and are featuring a fine grade of Silver Pink snapdragons and northern grown peonies.

George Propps, head salesman at George Perdikas' Dearborn street store, has returned from St. Paul, Minn.

P. J. Foley has returned from Lake Geneva, Wis., where he spent several days fishing, his favorite pastime.

Richard Rolson is now in the employ of Wieland & Risch, at their city salesrooms.

Emil Jehlik and family are visiting relatives at Muscoda, Wis.

Louis Wittbold is spending a few days at Wheeling this week.

Mrs. W. Vlk is enjoying a well-earned rest in Wisconsin.

PETER REINBERG

Long Distance Phone Central 2846.

30 East Randolph St., CHICAGO.

BEAUTIES-YOUNG STOCK-ALL LENGTHS

Long-Medium-Short-Largest supply and BEST stock obtainable on the market.

Send Your Orders Direct to the Grower and They Will Be Taken Care of.

Current Price List

AMERICAN BEAUTIES		Per doz.	Per 100
36 inch stems.....		3 00	
30 inch stems.....		2 00	
24 inch stems.....		1 50	
20 inch stems.....		1 25	
15 inch stems.....		1 00	
12 inch stems.....		\$6 00 per 100	
Short Beauties.....		4 00 per 100	
Richmond.....		Per 100	
Killarney.....	Select.....	\$6 00 to 8 00	
White Killarney.....	Medium.....	4 00 to 5 00	
My Maryland.....	Short.....	3 00	
Mrs. Aaron Ward		Medium.....	\$8 00
		Short.....	\$4 00 to 6 00
Roses, our selection.....			3 00
Harrisii.....		per doz. \$1 50	
Valley.....			3 00 to 4 00
Smilax.....		per doz. \$2 00	
Adiantum.....			1 00
Asparagus, per bunch.....		50c	
Ferns, per 1,000.....		\$2 00	

GLADIOLI=ROSES

**Orchids, Sweet Peas, Carnations, Asters
and All Other Seasonable Flowers. Also
a Complete Line of Greens of All Kinds.**

A. L. VAUGHAN & CO.,

(NOT INC.)

161 N. Wabash Ave.,

TELEPHONES: { Central 2571
" 2572
Auto. 48-734

CHICAGO

Peter Reinberg is cutting heavily in American Beauty roses from the young stock and the flowers that are now arriving at the store are meeting with exceptionally good sale. This firm is now growing Milady, Mrs. Chas. Russell, Mrs. Geo. Sawyer, Sunburst and Prince De Bulgarie besides all the old standard varieties. Gus. Brostrom is back on the job here after having an enjoyable vacation.

Bassett & Washburn are painting their store and the boys are doing all they can to have everything in tip top shape before Mr. Washburn returns from California. Mrs. Horton says that the July business so far has been very encouraging and much better than last year.

The Chicago Flower Growers' Association is offering some tuberose which are grown by Michael Pink, their head salesman, and will have a

good supply for several days yet. J. F. Kidwell has returned from a business trip to the east and is again attending to his duties at the store.

Kyle & Foerster are still offering peonies in quantity and expect to have a good supply for several weeks yet. It is rumored that Archie Spencer will be one of the popular baseball fans that will make the trip to the world series as the guest of one of the leading sporting journals.

At J. A. Budlong's store lily of the valley is arriving in quantity and the quality of the stock is as good as can be expected at this season. Trade was very lively at this store last week and while the supply of roses was quite large it was almost impossible to fill all the orders.

Wieter Bros. have finished planting their chrysanthemum plants and the

stock in general throughout the houses is looking fine. This firm is now cutting a good supply of American Beauty roses from the young plants and their stock has been in very good demand the past week.

A. L. Vaughan & Co. report two very good days, July 11-12, both the local and shipping trade showing a great improvement. Asters have made their appearance at this store and are having a good call.

Kennicott Bros. Co., is supplying its customers with some of the finest gladioli of the season in addition to northern grown peonies.

L. E. Partridge, of Sharp, Partridge & Co., is spending a week visiting with his family at Lake Geneva, Wis.

M. J. Haley of Glencoe is building two new violet houses.

WIETOR BROTHERS

162 N. Wabash Avenue,

CHICAGO.

Beauties. Good Supply of Choice Stock from Young Plants.

CURRENT PRICE LIST—Subject to change without notice.

American Beauties

Per Dozen	Per Dozen
60 in. stems.....\$3 00	24-in. stems.....\$1 50
48-in. stems.....2 50	15-in. stems.....1 25
36-in. stems.....2 25	12-in. stems.....1 00
30-in. stems.....2 00	

White Killarney, Richmond, Maryland

Per 100	Per 100
Extra special.....\$ 7.00	Medium \$4.00
Selects.....6.00	Good.....3.00
Fancy.....5.00	Short stems 2.00

Roses, our selection - - - \$3.00

Sunburst

Per 100
Extra special.....\$10.00
Fancy 8.00
Good.....6.00

Carnations.

Special.....\$2 50
Good .....\$1.50 to 2.00

HARRISII.....\$10 00 to 12 50
FERNs, per 1000.....2.00
SMILAX, per doz.....\$2.00 to 2.50
ADIANTUM, per 100.....1.00
GALAX, per 1000.....1.10
SPRENGERI, per bunch......50
ASPARAGUS SPRAYS, per bunch......50

Greek successes against Bulgaria have aroused the patriotism of the local Greeks to the point of raising additional funds to help meet the expenses involved in the renewal of hostilities. Among the first organizations to rise to the situation was the Greek Florists' Association, which on July 13 placed in the hands of O. S. Lambros of the Greek Star, \$1,505, to be sent to the Greek government. The association has only 25 members and one of the largest contributors to the fund was Nick Korson of the Chicago Florist Co., 120 North State street, who gave \$500.

Florian D. Wallace, the tornado insurance expert, is calling on the growers every day and is meeting with a great deal of encouragement on all sides, nearly everyone thinking well of his proposition. Mr. Wallace will give a short talk on greenhouse insurance before the Cook County Florists' Association at its regular monthly meeting at the Tavern July 17.

The Garland Greenhouse Manufacturing Co. will succeed the George M. Garland Co. at Des Plaines, operations to begin at once. George M. Garland is chief of the new concern and will be assisted by G. E. Whitney and H. S. Garland. There is plenty of material on hand and a number of good orders have been secured.

Theodore Kirchen, Oscar Leistner's city salesman, is enjoying his vacation in the mountains of Colorado and will be away for several weeks yet. He will call on the jobbing trade in the west on his way back, returning some time before the convention. Mr. Leistner will make a business trip east as soon as he returns.

W. S. Burling with the Martin Grate Co., is again seen at his office in the Fisher building, after having been laid up for some time with a broken shoulder. Mr. Burling was injured several months ago, when his auto overturned, but he is feeling much better now and is glad that he can be at work regularly once more.

A. C. Kohlbrand, of the E. C. Ameling Co., left on a fishing trip to Torch Lake, Mich., on July 12. Bert Cole of the same firm left on that day also, for the Wolverine state and John Michelsen has returned from a visit with his folks at McHenry.

O. Johnson says that the Batavia Greenhouse Co. is not cutting very heavily in American Beauty roses at present, but expects that it will have

a nice supply in a week or two. The gladioli that this firm is offering are deserving of immediate sale.

Guy Reyburn, with A. Henderson & Co., has returned from a delightful visit with relatives in Pennsylvania. A. Miller is entertaining his brother Ben, who came up from the Lone Star state to see the sights of the Windy City.

Zech & Mann's new home is a great improvement over their old location and when the finishing touches are completed they will have one of the best equipped wholesale stores in this city.

Joseph Ziska, Jr. expects to leave next week for Iowa to visit relatives. It is rumored that he is going on his honeymoon but the writer has been unable to verify this.

Mrs. V. F. Kramer of Evansville, Ind., has charge of the new florist department at Hillman's large store, which was open to the public for the first time on July 14.

Frank Ayer of the Chas. W. McKellar force is away on his vacation. Frank Schleiden, McKellar's crack marathon runner, has returned from his vacation.

The J. B. Deamud Co. is still featuring a large supply of pond lilies and many of these flowers are now to be seen featured in a great many of the retail stores.

Dominick E. Freres says that the roses he is receiving from the Adam Zender greenhouses now are helping to make the July rose sales a record breaker.

Otto W. Frese says that the supply of orchids has shortened up considerably and that the best blooms are now selling at much better prices.

Hoerber Bros. are having no trouble in disposing of their choice stock and the flowers are disposed of almost as quickly as they reach the store.

At George Reinberg's store My Maryland and American Beauty roses are arriving in good condition and selling quickly.

Ed. Boulter of Wilmette and Fred Hicks of Hubbards Woods will sail on the S. S. Mauretania for Europe July 24.

The Cook County Florists' Association will meet at the Tavern, West Washington street, Thursday, July 17.

H. VAN GELDER

L. M. JONES

PERCY JONES

INC.

WHOLESALE COMMISSION FLORISTS

56 East Randolph Street

CHICAGO

THIS WEEK ONLY.

25% DISCOUNT

—ON—

FLORISTS' PINS

3% Discount for Cash.

If any item we ship is not entirely to your satisfaction, return it upon receipt and we will gladly pay return charges and ask no questions. Merely say you cannot use it.

Watch This Column Every Week.

YOU LOSE MONEY

When you buy without writing us for prices

Sam Seligman, Wertheimer Bros.' well known traveling representative, is spending his vacation in this city.

R. H. Hartman of the A. L. Randall Co. has returned from a pleasant visit with his folks at Summerfield, Kans.

Theo. Meyer of Waukegan sailed on the S. S. Imperator for Europe July 16.

Herman Rogers of the Weiland & Risch force is away on his vacation.

Johnson & Chronis are planning on remodeling the front of their store.

Vaughan's Seed Store received a car of Harrisli lilies this week.

Visitors: J. A. Peterson, Cincinnati, O.; Henry Kusik, enroute to Europe, Kansas City, Mo.; Samuel Seligman, representing Wertheimer Bros., New York; Gus. Fredrickson, St. Joseph, Mich.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone

Randolph 5449

176 N. Michigan Ave.

Chicago

LILIES

Big supply of Fine Flowers

CARNATIONS

The Best the Market Affords

ROSES

Good Shipping Stock

SWEET PEAS

Choice outdoor stock

And everything else seasonable
in Cut Flowers and Greens.

Current Price List. Subject to change without notice.

Grade	A	B	C	D	E
American Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$2.00	1.50
Killarney.....per 100	8.00	6.00	5.00	4.00	3.00
White Killarney.....	8.00	6.00	5.00	4.00	3.00
My Maryland.....	8.00	6.00	5.00	4.00	3.00
Richmonds.....	8.00	6.00	5.00	4.00	3.00
Mrs. Aaron Ward.....	8.00	6.00	5.00	.....	.....
Sunburst.....	8.00	6.00	5.00	.....	.....
Carnations.....	3.00	2.00	1.50	.....	.....
Lily of the Valley.....	4.00	3.00	.....	.....	.....
Sweet Peas.....	1.50	1.00	.....	.....	.....
Easter Lilies.....	12.50	10.00	7.50	.....	.....
Daisies.....	1.50	1.00	.....	.....	.....
Asparagus Plumosus Sprays.....	4.00	3.00	2.00	.....	.....
Asparagus Sprenger Sprays.....	3.00	2.00	.....	.....	.....
Smilax.....	16.00	12.50	.....	.....	.....
Galax, Green and Bronze.....per 1000	1.00	.....	.....	.....	.....
Ferns.....	2.00	1.50	.....	.....	.....
Boxwood.....bunch	.25	.....	.....	.....	.....
Adiantum.....per 100	1.00	.75	.....	.....	.....

Chicago Florists' Club.

The regular meeting of the Chicago Florists' Club was held at the La Salle Hotel July 10, President French in the chair. There was a very good attendance, considering the hot weather, and a large amount of business was transacted. The tables in the meeting room were handsomely decorated with excellent carnations contributed by the Poehlmann Bros. Co.

Chairman Deamud of the transportation committee read a number of letters from various sections of the country, indicating that there will be a big out-of-town crowd for the convention special Aug. 18, and he is desirous that reservations be made early. The price of the round trip is \$16, upper berth \$1.60 and lower berth \$2. Mr. Deamud's address is 160 N. Wabash avenue and his phone number Central 3155.

Chairman Waters of the good-of-the-club committee reported that the lake trip proposed for the club's outing had been abandoned, and a picnic at Erhardt's grove, Park Ridge, to take place Sunday, August 31, was then decided upon. Prices of round trip tickets for the picnic were fixed at 50 cents for adults and 25 cents for children, subject to railroad fare.

Oscar J. Friedman invited the club to hold the August meeting at San Souci park and the invitation was accepted. J. B. Deamud being appointed to make all necessary arrangements for this gathering. To reach San Souci park take the south side elevated to Sixty-third street, or the Cottage Grove street car to the park.

Many letters were received from victims of the flood and wind storms thanking the club for its efforts in their behalf, and the thanks of the club were extended to the numerous

donors of stock and supplies for this purpose.

Two new members were proposed: F. J. Rose, 1322 Nelson street, and Ben Grupe, Park Ridge.

St. Louis.

GOOD STOCK IN DEMAND.

Very warm weather continues. Stock of good quality is much in demand. Pink asters have arrived and we can expect lavender and white in a week or so. Killarney roses open up quickly. Gladioli from outside are starting to come in, but they are small owing to dry weather. Smilax was scarce the latter part of the week. American Beauty roses are coming in, but they lack the substance and their keeping qualities are poor. Here and there a few bunches of sweet peas are seen, but they are practically over. Galax and asparagus are selling fairly well. Stock was scarce Saturday and Sunday. Such a scarcity has not been seen in a year.

CLUB MEETING.

Last Thursday, July 10, the St. Louis Florists' Club, about 50 strong, met at Eads' bridge at noon and took the cars to Edwardsville, Ill., to hold their regular monthly meeting and receive the hospitality of F. C. Ammann, who received the boys with open arms and furnished them with automobiles so they could see the town. The meeting was an important one. The nomination of officers for the ensuing year, discussion of convention matters and picnic, etc., took up the time. Frank Robinson of the Coliseum Company talked on behalf of the fall flower show to be given by his firm. Mr. Robinson managed a very successful show at Kansas City. He desired the florists through the St. Louis Florists' Club to canvas and

collect from the retailers \$2,000 to be given in prizes for window decorations by the merchants during flower show week. A visit to F. C. Ammann's greenhouses was made and then came the automobile ride through the city. Two applications for membership were received. The applicants are Frank Robinson and Wm. Bouche. The following were nominated for office: W. J. Pilcher, C. C. Young, Edwin Denker, president; Henry Blixen, Adolph Janecic, vice-president; J. J. Beneke, secretary; W. C. Smith, treasurer. Trustees for three years, Frank Windler of the Windler Wholesale Floral Co., Martin Monn of the St. Louis Seed Co., and C. Bergsterman. A committee of 25 was appointed to raise the \$2,000.

NOTES.

Everything is in readiness for the annual picnic to be given Thursday, July 17. The wholesalers as usual expect to win the baseball game. Al Gumz, Frank Windler and Fred Alves have been showing the umpires a good time all week. George Schriever of C. A. Kuehn's staff has been practicing with his famous fadeaway drop ball.

Nathaniel Kingsley of the Mullanphy Flower Co. says his partner, Wm. Seeger, needed a rest, so Mr. Seeger has taken a short vacation. The month of June was a busy one with this firm.

Mrs. Dugart of East St. Louis is doing a nice trade. She is a visitor almost every day to this market.

Gullett & Sons of Lincoln, Ill., are shipping some good American Beauty roses to this market.

David Geddes has been helping C. E. DeWever of Olivette during the latter's visit to Chicago.

A. C. Canfield of Springfield, Ill., is shipping quite a number of pink asters to this market.

ERNE & KLINGEL

WHOLESALE FLORISTS

30 East Randolph Street,

L. D. Phone, Randolph 6578

CHICAGO, ILL.

Ernest Strehle, park superintendent, is very busy at Fairground park, preparing for the opening on July 15 of the new swimming beaches. He will attend the convention of park superintendents later at Denver, Colo.

C. A. Kuehn has the sale agency for the Perfection decorating stands and attachments, manufactured by H. G. Dryer & Son, Cleveland, O.; also the Revere garden hose. He says both lines are good sellers.

The committee of 25 appointed by the Florists' Club to get together the \$2,000 for window decoration during flower show week will meet picnic day, July 17, in the afternoon at Ramona park.

George Berner, chief salesman at Alex Siegel's, returned from Chicago, where he has been spending his vacation. Mr. Siegel has left for the northern summer resorts.

John Barnard is doing a nice trade. Miss Vida Key, formerly with Grimm & Gorly, will be employed at the Barnard establishment after she has taken a vacation.

Henry Ostertag of Ostertag Bros. is very busy fixing a large concrete basement and giving the store a general overhauling.

W. W. Coles and wife of Kokomo, Ind., visited St. Louis on their return from Michigan.

Herman Mehans, of H. G. Berning's staff has returned from his vacation.

W. F.

Cleveland.

Gladioli are beginning to arrive in limited quantities and will soon be a big factor on the market. Stock looks very promising. The first of the local aster crop arrived this week, and will be welcome for a change. The demand for Easter lilies and water lilies has been good. Carnations have cleaned up daily, and roses, too, have sold well. Lily of the valley and orchids have been a little scarce. Sweet peas are in good supply, but the quality is rather poor. Phlox, all colors, has been in good demand.

NOTES.

Everybody is cordially invited and earnestly requested to attend the Cleveland Florists' Club picnic, which will be held at the same place as last year, Puritas Springs park, Wednesday, July 23. Come and bring your friends and family; get acquainted and have a jolly good time. Baseball, races and the usual sports will be on the programme.

D. Charlesworth & Sons' greenhouses at Ansel road and East One Hundred and Fifth street are being torn down. The land will probably be sold or used for residence purposes, as it is located in a very desirable place. The retail store on Euclid avenue, near East One Hundred and Fifth street, will be run the same as before.

Fred Burger, 7214 Connecticut avenue, left for Europe Saturday, July 12, to visit old friends. He will be gone about two months.

G. W. Mercer is at Lakeside hospital for a week under the doctor's care. He expects to be home soon.

A. M. Coe, North Olmstead, is in the German hospital here, having been operated on for appendicitis.

C. F. B.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

Pittsburg.

STOCK OF POOR QUALITY.

This city has had a few heavy rains during the past week, but it doesn't seem to affect the heat, which is as bad as ever. Stock of all kinds is somewhat affected and it is very seldom that good flowers are seen. Roses and carnations still remain very poor, and it will be a great relief when the local aster season starts, which, by the way, is rather late in beginning, although a few are seen around the market stands. Gladioli have ceased to be a novelty, and can now be had at the wholesale houses in any quantity. America is fine, and such good stock in this variety is not seen every summer. Lilies are rather scarce, and are not missed greatly. Some good sweet peas and cornflowers have been coming in from the northern fields and find good sale, especially the large centurias, with their modest shades which catch anyone's sight. Small outside stock simply refuses to sell at all, and nearly all is thrown away, which is about the only way the wholesale man can get rid of it. In the green goods line, Sprengeri is very plentiful and has a close second in adiantum, which does not move any more, probably on account of the slow corsage bouquet business.

NOTES.

An important deal took place recently when the Colonial Floral Co. of Wilksburg bought the greenhouses at Centre and Aiken avenues, formerly operated by the Blind Floral Co., which firm still conducts a retail store at Liberty avenue and Fifth street. Chas. C. Wesley is manager and took possession at once. Men are now at work remodeling the houses which have lain idle for two years. They are rated as the finest in town, with a value of about \$50,000.

A. C. Miller of Duquesne has bought the business conducted by his father-in-law, J. Elicker, located at Homestead, and takes charge July 14. Mrs. Miller will manage the Homestead store, while Mr. Miller will take charge of the Duquesne business.

President Neil McCallum of the Florists' Club reports that the picnic will be held at Ludwig Station on the Butler Short Line, some time in August, the exact date to be announced later.

The marriage of Mrs. E. A. Williams, one of our most popular florists, to Herman Junker, which was performed two months ago, has just been announced.

Wm. Q. Potter, manager of the McCallum Co.'s Cleveland store, rode to this city in his new Krit car Friday, visiting relatives in Waynesburg and friends in Pittsburgh before returning.

The Woodville Floral Co. have sold their greenhouses to Robert Walthers.

Dominick E. Freres

WHOLESALE FLORIST

Roses, Carnations and all other seasonable cut flowers and Greens. Fine fresh stock obtainable at all times at lowest market prices. Give me a trial order.

162 N. Wabash Avenue, CHICAGO

J. B. DEAMUD CO.

Wholesale Florists

Roses, Carnations, Lilies and all other seasonable flowers and Greens in quantity. All orders filled promptly.

160 N. Wabash Ave., Chicago.

of Pittsburgh, who will operate and improve the plant, which has specialized in growing lilies and other bulbous stock.

Miss Eliza McKinley, of Randolph-McClements, and Jake Gerwig, of the Pittsburgh Cut Flower Co., are on the vacation list for this week.

Jos. Thomas of Greensburg was in town last Tuesday.

J.

Nassau County Horticultural Society.

The regular monthly meeting of this society was held at Pembroke Hall, Glen Cove, L. I., Wednesday, July 9, with a fair attendance. President E. J. Brown presided and after calling the meeting to order spoke feelingly of the death of Thos. Harrison, who was the society's first president. The president also appointed a committee to draw up resolutions of condolence. Jas. Gladson, Glen Cove, was elected to active membership and two applications were received. Special prizes for the fall show were offered by the Stump & Walter Co., New York, and the Julius Roehrs Co., Rutherford, N. J. H. Boettcher, gardener to W. Hesler, Glen Cove, exhibited some very fine sweet peas, being awarded a certificate of culture for a collection of eight varieties and first prize for varieties of pink, white and red. It was decided to hold the dahlia show October 8. All classes will be open. Several good special prizes are offered for dahlias, vegetables and outdoor flowers, and anyone interested can secure a schedule by applying to the secretary. Prizes will be offered at the next meeting, August 13, for two cucumbers, 12 asters and 12 gladioli.

J. MACDONALD, Sec'y.

NEENAH, WIS.—Lewis Otto, the local florist who has been sued for \$5,000 by Henry Kampe, whom Otto stabbed in the abdomen a short time ago, pleads self-defense. He charges that Kampe attacked him and his wife before the stabbing occurred.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street, Private Exchange to all Departments. Phone Central 7720. CHICAGO
Everything in Cut Flowers and Supplies.

Send Your Orders for Seasonable Flowers to

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Large Supply of Orchids,
Peonies and Other Seasonable
Stock for Wedding Work.

Long Distance Phone
Central 3598.

Kennicott Bros. Co.

WHOLESALE
Cut Flowers

163-165 N. Wabash Ave.,
CHICAGO

L. D. Phone Central 466

Oak Wreaths

Natural prepared American Oak Wreaths,
made from preserved and fireproof Oak Sprays
in cherry red, golden brown and natural green.
Two sizes 18 and 24 inch. Sample of 24-inch
wreath will be sent postpaid on receipt of 90c.

OSCAR LEISTNER, 17 North Franklin Street
CHICAGO

Selling Agents for OVE GNATT Hammond, Ind.
Preparer of natural foliage.

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS

Our Specialties.

HOERBER BROS.

Wholesale Growers of Cut Flowers

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., CHICAGO

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

ZECH & MANN

Wholesale Florists

30 East Randolph St., - - Chicago

Telephone, Central 3284.

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers at Lowest Market Prices. 30 E. Randolph St., CHICAGO

Mention the American Florist when writing

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, July 16,	Per doz.
Roses, Beauty, specials.....	\$4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 28-in.....	2 00
" " 15-20-in.....	1 25@ 1 50
" " 12-in.....	50@ 75
" " Short.....	2 00@ 4 00
" Killarney.....	3 00@ 8 00
" White Killarney.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" Prince de Bulgarie.....	3 00@ 8 00
" Radiance.....	3 00@ 8 00
" My Maryland.....	3 00@ 8 00
" Melody.....	3 00@ 8 00
" Mrs. Jardine.....	3 00@ 8 00
" Lady Hillingdon.....	3 00@ 8 00
" Sunburst.....	3 00@ 8 00
Carnations.....	1 50@ 2 00
Daisies.....	50@ 1 50
Cattleyas...per doz., 6 00 and up.	
Gardenias.....	2 00@ 4 00
Lilium Harrisii.....	10 00@12 50
Peonies.....	2 00@ 8 00
Valley.....	3 00@ 4 00
Sweet Peas.....	75@ 1 50
Adiantum Croweanum.....	2 00
Boxwood.....per lb.	25
Ferns.....per 1000.	1 50@2 00
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy.....per 1000.	5 00@6 00
Plumous Strings...each.	50@ 60
Smilax.....per doz.	2 00@2 50
Sprengeri, Plumous Sprays.....	3 00@ 4 00

Chicago Carnation Co.

Wholesale Florists,

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

Mention the American Florist when writing

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing

Wietor Bros.

Wholesale CUT FLOWERS

Growers of
All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing



C.C. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and **Greens**

CANE STICKS.

	Per 100	Per 1000
4 to 6 ft. long	\$.40	\$3.00
6 to 9 ft. long	.60	5.00
(500 at 1000 rate.)		

GEO. H. ANGERMUELLER,
Wholesale Florist. ST. LOUIS, MO.

Philadelphia.

RAINS HELP STOCK.

Much cooler weather and abundant showers helped the situation wonderfully the past week. Sweet peas were almost too far gone to be benefited, but all other outside stock should show improvement. American Beauty roses have the call for anything choice in the shipping line. Taft and Maryland are also in demand, while Hillingdon shows that it is a good summer rose. Carnations are out of the running at present, the stock coming in very poor. Sweet peas of the local cuttings are no longer a factor. Eastern stock is much better. Easter lilies play an important part, selling well for funeral work. The choicer varieties of gladioli find a good market, being in demand for store decoration. They were never better than are offered this season. Lily of the valley is equal to the demand, as are cattleyas, superb flowers of which are offered daily. Asters are coming, but nothing of much account in the advance guard. Better stock is expected in another week.

NOTES.

John Burton retires from active business after 30 or more years of intelligent effort. He wants time to devote to other matters and turns the management of his 100,000 feet of glass over to his son George, whose adjoining place also contains about 90,000 feet. Nearly all this space is given up to the cultivation of American Beauty roses, 60,000 plants being required to fill the combined places. The stock from the old place has always been handled by Mr. Burton direct to the retail stores, but will now be sold along with that of George Burton's by the Leo Niessen Co. Shipping, which has been by train, will now be made by auto, a new car being purchased for this purpose which will get the stock down early in the day.

At the recent flower show of the Newport Horticultural Society, Newport, R. I., Henry A. Dreer, Inc., was awarded the prize of \$25 offered by the Garden Association and Newport Horticultural Society, also the silver medal for their general exhibit and five first class certificates, for five new nymphaeas.

Richard Umphried, a popular salesman of the Pennock-Meehan force, sailed for Europe July 12. He goes to visit relatives and to get all the information possible about the cut-flower

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, July 16.		Per 100
Roses, Beauty, extra.	16 00@25 00	
" first	10 00@15 00	
" Brides and Maids	3 00@ 8 00	
" Killarney	4 00@ 8 00	
" White Killarney	4 00@ 8 00	
" Liberty	4 00@ 8 00	
Carnations	1 00@ 2 00	
Cattleyas	35 00@50 00	
Gardenias... per doz.	1 00@ 2 00	
Lilium Harrisii	8 00@12 00	
Lily of the Valley	3 00@ 5 00	
Calla Lilies	6 00@ 8 00	
Marguerites	50 @ 75	
Snapdragons	4 00@ 6 00	
Sweet Peas	50 @ 75	
Water Lilies	3 00@ 4 00	
Gladiolus	3 00@ 6 00	
Asters	1 00@ 3 00	
Asparagus	per bunch, 50	

PITTSBURG, July 16.		Per 100
Roses, Beauty, special	25 00	
" extra	15 00	
" No. 1	8 00	
" Killarney	2 00@ 8 00	
" My Maryland	2 00@ 8 00	
" Richmond	2 00@ 8 00	

Carnations	1 00
Calla Lilies	12 00
Daisies	1 00
Cattleyas	50 00
Sweet Peas	50
Lilium Longiflorum	8 00
Lily of the Valley	4 00
Coreopsis	50
Gladioli	3 00@ 5 00
Water Lilies	1 00
Phlox	2 00
Candy tuft	per bus., 25c
Asparagus Sprengerii	per bunch, 35@40
" Sprays	per bunch, 35@40

MILWAUKEE, July 16.		Per 100
Roses, Beauty, per doz.	3 00@4 00	
" White and Pink Killarney	2 00@ 8 00	
" Richmond	2 00@ 8 00	
" Wards	3 00@10 00	
" Tafts	3 00@10 00	
" Mrs. Chas. Russell	6 00@15 00	
Carnations	1 00@ 2 00	
Easter Lilies	8 00@10 00	
Lily of the Valley	4 00	
Sweet Peas	50	
Daisies	75@ 1 00	
Asparagus	per string, 50	
" Sprengerii	per bunch, 35	
Ferns, fancy	per 1000, \$1 50	

business as it is transacted in European markets. He expects to return September 15.

The Florex Gardens are putting up a house for carnations and snapdragons, 40x300 feet. The little Sweet-heart rose, of which they had a few

For the Southwestern Market.

Ribbons and Chiffons

10 inch silk chiffon special at 10c per yard. This is fancy goods at a very low figure. All colors.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

Easter Lilies, Carnations, Sweet Peas,
all the popular roses. Instant delivery.

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Wholesalers of Cut Flowers
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Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist.

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

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WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Field - Grown Carnation Plants.

5000 Mrs. C. W. Ward,	Per 100 \$8.00	Per 1000 \$70.00	7000 Enchantress,	Per 100 \$7.00	Per 100 \$60.00
10000 Alma Ward, -	8.00	70.00	500 Rosette, -	7.00	

Ready for delivery now or will hold them for you for future delivery. Send for complete list and prices or let us know what varieties you want.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by

Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

Edward Reid

WHOLESALE FLORIST,

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Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

Mention the American Florist when writing

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Mention the American Florist when writing

plants the past year, will be grown on a larger scale the coming season. They have had great demand for it.

A. B. Cartledge, Jr., jumped from the deck of his father's yacht to save a lady passenger who had fallen over the side. The vessel was in Chesapeake Bay in deep water. He was successful and nothing resulted worse than a ducking for both.

At the Leo Niessen market business is said to be good for the season. Easter lilies and gladioli are leaders. Hardy ferns are also a feature. Quite a number of the force are now on their vacations.

Louis Berger has just returned from a business trip of three days among the growers. He reports that everybody is busy getting ready for the coming season and the outlook is good.

The M. Rice Co. is busy getting in its importations from abroad. The past week this firm received the largest consignments ever received in the same period of time.

Edw. Reid is having a great run on his American Beauty roses. Eastern stock. They are exceptionally fine for the season.

K.

RED BANK, N. J.—William Turner, of Oceanic, who has been employed as head gardener on the M. C. D. Borden estate for over twelve years, has resigned, and left for Bernardsville, near Madison, to take up the duties of general superintendent of the Cromwell estate. Percy Hick, who was formerly employed at the Borden estate, under Mr. Turner, will succeed him. Mr. Turner has spent a long time in greenhouses, and his health becoming impaired, he found it necessary to make a change. He has had prominent exhibits at local flower shows and has won many cups and ribbons.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, July 16.	Per 100
Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	10 00@15 00
" " No. 1.....	7 00@10 00
" " No. 2.....	2 00@3 00
" Maid and Bride.....	3 00@6 00
" Pink Killarney.....	3 00@7 00
" White Killarney.....	2 00@7 00
" Richmond.....	2 00@7 00
" My Maryland.....	2 00@7 00
" Aaron Ward.....	2 00@5 00
" Kaiserin.....	4 00@7 00
" Carnot.....	4 00@7 00
" Snapdragon.....	2 00@3 00
" Swainsona.....	75¢ 1 00
" Carnations.....	1 00@2 00
" Lilium Longiflorum.....	6 00@10 00
" Lily of the Valley.....	3 00@4 00
" Pink Japan Lily.....	3 00@5 00
" Mignonette.....	1 00@2 00
" Daisies.....	1 00@1 25
" Sweet Peas.....	20¢ 50
" Gladioli, indoor.....	4 00@6 00
" Baby.....	3 00@4 00
" Peas, outdoor, per bunch.....	10¢
" Asparagus, per bunch.....	35¢ 50
" Asparagus, Sprenger.....	35¢ 50
" Ferns.....	per 1000, \$2 50

BOSTON, July 16.	Per 100
Roses, Beauty, best.....	15 00@25 00
" " medium.....	10 00@12 00
" " culls.....	2 00
" White and Pink Killarney, Special.....	6 00
" White and Pink Killarney, Extra.....	4 00@6 00
" Double White Killarney.....	10 00@12 00
" Killarney Queen Special.....	8 00@10 00
" Mrs. Chas. Russell.....	10 00@12 00
" Sunburst, Special.....	6 00@8 00
" Taft.....	2 00@8 00
" Cardinal.....	2 00@10 00
" Ward and Hillingdon.....	1 00@6 00
" Richmond.....	2 00@8 00
" My Maryland.....	2 00@8 00
" Asters.....	1 50@2 00
" Cattleyas.....	25 00@40 00
" Gardenias.....	12 00@25 00
" Lilium Longiflorum and Rubrum.....	4 00@6 00
" Lily of the Valley.....	2 00@3 00
" Sweet Peas.....	35¢ 50
" Gladioli.....	per doz., 75¢

CINCINNATI, July 16.	Per doz., \$1 00@3 00
Roses, Beauty.....	Per 100
" " Bride, Bridesmaid.....	2 00@6 00
" " Killarney.....	2 00@6 00
" " My Maryland.....	3 00@6 00
" " Perle.....	3 00@6 00
" " Richmond.....	2 00@6 00
" " Taft.....	2 00@6 00
" Carnations.....	1 50@2 00
" Lilium Giganteum.....	8 00@12 50
" Gladioli.....	3 00@8 00
" Asparagus Plumosus.....	per bunch, 25
" Snapdragon.....	3 00@6 00
" Pond Lilies.....	2 00@3 00



Give Us a Trial We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO., Wholesale Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

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—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

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34-36 Third Ave. East, CINCINNATI, OHIO
Wholesale Commission Florists
Consignments Solicited
Complete Stock of Florists' Greens and Supplies

ST. LOUIS, July 16.	Per 100
Roses, Beauty, medium.....	6 00@14 00
Roses, Beauty, short stems.....	3 00@5 00
" Killarney.....	2 00@5 00
" My Maryland.....	2 00@5 00
" White Killarney.....	2 00@5 00
Carnations.....	1 00@2 00
Valley.....	4 00
Daisies.....	50
Sweet Peas.....	20¢ 60
Asparagus Sprenger.....	2 00@3 00
Asparagus Plumosus, per bu.....	35¢ 60
Ferns, New, Fancy.....	1 50
Galax.....	per 1000, 1.25
Harris.....	8 00@10 00

New York.

CONDITIONS VERY POOR.

A Frenchman, who once visited London, was asked on his return what he thought of the climate. His reply was: "Climate? There's no climate. It's only a yellow fog." We may appropriately adapt his remarks to the present condition of the wholesale cut flower market of this city, and say that there is no market. The cheerful souls who keep their stores open and persuade themselves that they are doing business deserve much credit for their optimism. Conditions may not be much worse than they have been in former years, with the exception that each succeeding summer seems to bring in a larger supply of stock, while the increasing facilities for travel takes more people away from the city. Further, Wall Street has always been considered a good barometer for the flower market and Wall Street is now peevish. While there is some fair stock on the market a great amount of it is very poor, which adds to the congestion. Good American Beauty roses are almost a novelty and the same may be said of many of the tea roses. While much has been said about poor carnations, it is a fact that there are many arriving that are of better quality than could reasonably be expected at this season. In orchids there is an abundant supply of good stock, selling at about 40 cents a flower. Asters have been arriving for the past two weeks, but it is only recently that any passable stock has been seen. In gladioli, snapdragons and various minor flowers there is more than can be disposed of.

NOTES.

Mrs. Grulich, wife of J. Grulich, head of the firm of J. Grulich & Sons, which has two stores in Hoboken and buys in the New York market, died on July 9, after an illness of ten weeks. She was 62 years old. Like her husband, she was a native of Hungary, they having come to this country 20 years ago, since which time they had established a good business and won the respect of all who knew them. Mrs. Grulich is survived by her husband and four sons.

Miss Mabel Conkling, bookkeeper for H. E. Froment, has been heard from at Sackett's Lake, N. Y., where she is enjoying her vacation and is much pleased with her surroundings.

Long & Nugent had a large amount of funeral work on July 12 for the funeral of the mother-in-law of the Rev. Dr. Eaton, pastor of the Madison Avenue Baptist Church.

John Young, secretary of the S. A. F., left for Minneapolis, Minn., July 12, to remain till after the convention.

Eddie Ankers, of Traendley & Schenck's staff, has gone to the mountains for a two weeks' vacation.

A. F. F.

Greek-American Outing.

The outing of the Greek-American Florists' Association of New York was held at Witzel's Point View Grove on July 9, and was a most enjoyable affair. The attendance was not as large as it has been in former years, but the reason was that many of the patriotic young Greeks who had come here to seek their fortunes had returned home to fight for their Fatherland. The outing, throughout, was conducted in the most orderly manner. Among those who deserve much credit for its success are the officers of the association—James G. Carlafes, president; George Cotsonas, vice-president; John J. Fellouris, secretary; P. Theopine, treasurer. George D. Nicholas, former president of the association, was also present. The trip to

the grove was most enjoyable and the various games and recreations were all interesting and closely contested. The awards were as follows:

Boys' race—Manos, first; Luskas, second.

Girls' race—Miss Manos, first; Miss Pullman, second.

Young ladies' race—Miss Nicholas, first; Miss Habon, second.

Married ladies' race—Mrs. Brevery, first; Mrs. Tellman, second.

Stone throwing—L. Anageros, first; Demotropolos, second.

Fat men's race—Jones, first; Loumis, second.

Plain jumping—Theo. Chirosos, first; Demotropolos, second.

In the baseball game between "Greek" and American teams, Sam Ernest, who acted as umpire, said that all the "Greeks" were Irishmen. As Sam is a man of character we will not dispute his word. Here is the line-up: Greeks—Foley, Mitres, Ankers (pitcher), Bush, Bradley, Frank, Murphy, Angetos, Lownds.

Americans—Sullivan, Georges, O'Rourke, Rigo, Hoffman, Callahan, Devine, Toronso, Rock.

The score was 1 to 0 in favor of the Greeks.

Bowling—Geo. Roudires, first; F. Murphy, second; Hopwood, third.

Men's race—Theo. Chirosos, first; Jones, second.

The Marathon race of three miles was most interesting. Theodore Chirosos, being rated a good runner, gave the other contestants half a lap. Al Rigo put up a good race, but lost out for first. Chirosos was first; Rigo, second; Caramel, third.

A. F. F.

Albany, N. Y.

CLUB MEETING.

It was an enthusiastic company that journeyed out to the station of Font Grove, about eight miles from Albany, to hold the July meeting of the Albany Florists' Club at the home of Frederick Goldring, formerly president of the organization. In the early evening an inspection of the grounds and greenhouses was made, after which President Frederick Henkes called the meeting to order in the large shipping shed of the Goldring establishment. Louis H. Schaefer of the publicity committee reported that advertisements in the local papers on Mothers' day and Decoration day had been paid for and that one had been inserted to help the trade in the June wedding season. The committee and the retailers expressed themselves as satisfied with the publicity campaign and more of it will be undertaken in the fall and winter. The secretary read a communication from W. F. Gude of Washington, D. C., calling attention to the efforts of the S. A. F. to erect a memorial to the late William R. Smith and asked the local club to co-operate. President Henkes appointed F. Goldring, E. P. Tracey, L. H. Schaefer, James H. Snyder, Robert Davidson, F. Henkes and Samuel Goldring a committee to solicit funds and to report at the next meeting. The subject of holding an outing and clambake this year was brought up by Louis H. Schaefer of the entertainment committee. It was voted to hold it at Henkes Bros' grove, near Newtonville, Saturday afternoon, August 16. The price of tickets was fixed at \$1.50 each. The members were urged by the entertainment committee to work unitedly for the success of the affair and the outlook is that the bake will be worth while. The next meeting of the club will be held at the home of President Henkes Thursday evening, August 7.

NOTES

Meany & Tracey, proprietors of The Rosery, 23 Steuben street, have ordered a Chalmers motor delivery car which they expect to receive about August 1. It will be painted white, with gold letters. In explaining the reason for the automobile, E. P. Tracey said that the firm is receiving many orders from Troy, Watervliet, Green Island, Loudonville, and other places within a radius of eight miles and that delivery by horse has become difficult. The new automobile will be the first regular delivery of the kind by any florist in the city.

Among the recent visitors was Walter Mott, whose name is a familiar one to the trade in all sections of the country. He is now in the employ of Hammond's Slug Shot Works, Fishkill-on-the-Hudson.

R. D.

Indianapolis.

UNUSUAL JULY SCARCITY.

The market presents a rather unusual condition for the month of July, inasmuch as flowers are actually scarce. With the exception of American Beauty roses and greens there is not really enough of anything to go around. Owing to the drought, the supply of outdoor flowers is very short. This makes the lack of roses and carnations more acutely felt. Lilies are very good property, selling readily at \$1.75 a dozen. The first outdoor gladioli have made their appearance and sell at from three to six cents, according to quality. A few asters are coming in, but not enough of them to make any impression.

NOTES.

Carl Sonnenschmidt and Herman Junge are planning a fishing trip to a northern Indiana lake. They are going to try a new fish bait, the recipe for which was given to Mr. Sonnenschmidt years ago by a Capuchin monk in Switzerland. They anticipate great results from this concoction, for Mr. Sonnenschmidt says when he was preparing it the other day a large bass head, the trophy of a former fishing trip, happened to be hanging near by and he noticed that as soon as the alluring fumes of the bait began to arise the countenance of the bass took on an air of anticipation.

Frank Rieman, returning from a week's camping at Blue Bluffs, reports unusual luck in bagging big game, chief among which were a 37-pound catfish, an 11-foot snake and a turtle weighing 48 pounds. Our world-renowned inspector of weights and measures is going to pay Frank a visit in the near future.

Irwin Bertermann has just finished a garage of his own design. Irwin always did hold that the artistic possibilities of pecky cypress were neglected and he has shown in a very striking way what can be done with so humble a material in the hands of an artist.

According to reports, this city is going to be blessed with two additional Greek flower merchants. One intends to locate in the Severin hotel on South Illinois street, while the other will have his stand in the immediate vicinity of the Washington hotel.

Chris. Schwomeyer, successor to Herman Shilling, is kept hustling by a large circle of customers, while Mr. Shilling is taking it easy. Both gentlemen are enjoying their respective lots immensely.

The State Florists' Association and the Association of Northern Indiana Florists will hold a joint two-days' meeting beginning July 16 at Winona Lake. A very well attended meeting is anticipated.

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NEW YORK

WASHINGTON

OFFICIAL

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S. S. Pennock-Meehan Co.

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Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.



FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago

Arthur Heidenriech is speedily and completely recovering from his accident.

The Tomlinson Hall Flower Market is all but deserted these days.

Hartje & Elder have finished planting their carnations.

Homer Wiegand is off on a vacation trip. H. J.

Cincinnati.

GOOD DEMAND, SHORT SUPPLY.

The supply of stock of all kinds is very short. As a result it is quite a task for buyers at times to get what they want when they need it in a hurry. The demand is an unusually good one for summer and keeps the market cleaned up of all stock that is fit to use. The only flowers that are not selling are those that should have gone straight to the ash barrel as soon as they were cut. Shipping business continues fairly good. The gladioli that are coming in are, as a rule, very fine. Large numbers are arriving from out of town just at a time when the supply from local growers was letting down a little and was hardly sufficient to meet the strong request for this flower. Asters, when in good condition, have been selling nicely. The wholesalers are expecting a good supply of them before very long. The cut of roses is none too large. The offerings include some excellent American Beauty. The receipts of giganteum lilies are rather limited. All of them are selling as fast as they come into the wholesale houses. Rubrum lilies are also offered in limited quantities. Miscellaneous stock, such as snapdragon, feverfew and the like has been selling well because the supply of other desirable flowers has been short.

NOTES.

At the annual meeting of the Cincinnati Florists' Society Monday night, Jas. Allen was elected president; Ed. Schumann, vice-president; Chas. H. Hoffmeister, treasurer; Alex. Ostendarp, secretary, and Gus. Adrian, trustee. A special race has been arranged between A. C. Heckman, Jr., and Ray Murphy to be run at the outing next Thursday.

Thomas Windram, C. C. Murphy and Wm. Murphy leave on Thursday of this week on an extended trip to the Pacific coast and Canada. They will finally wind up at the Cheneaux islands.

Geo. Corbett and daughter are spending 10 days at Niagara Falls and other lake points.

L. H. Kyrk and wife leave Saturday for a two weeks' trip to the northern part of the state.

E. G. Gillett and his wife and daughter plan to leave for Traverse City July 26.

C. E. Critchell has just received another car load of sphagnum moss.

H.

Horticultural Society of New York.

The schedule for the fall exhibition of the society, to be held at the American Museum of Natural History, October 31-Nov. 4, is now ready for distribution, and copies may be had on application to the secretary, George V. Nash, New York Botanical Garden, Bronx park, New York. Since the

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Wholesale Flower Markets

NEW YORK, July 16.	Per 100
Roses, Beauty, special.....	3 00@10 00
" extra and fancy ..	50@ 1 00
" No. 1 and No. 2..	50@ 1 00
Killarney, My Maryland..	
" special.....	5 00@ 6 00
" extra ..	3 00@ 4 00
" No. 1 and No 2	25@ 1 00
" Queen, special..	7 00@ 8 00
" Red, special...	5 00@ 6 00
Hillingdon, Aaron Ward..	5 00@ 6 00
Richmond.....	50@ 6 00
Sunburst, special.....	5 00@ 6 00
Taft, special.....	@ 6 00
Mrs. Geo. Sawyer, special.	5 00@ 6 00
Carnations.....	75@ 1 00
Cattleyas.....	25 00@40 00
Gardenias.....	5 00@15 00
Lilies, Longiflorum and Harrisii..	1 00@ 2 00
Lily of the Valley.....	2 00@ 2 50
Gladiolus....per doz.....	50@ 75
Sweet Peas....per doz, bunches, 25	
Spencer type, per doz.	
bunches.....	30@ 40
Adiantum Croweanum.....	15@ 50
Asparagus Plumosus...doz. bchs.	1 50@ 2 00
Smilax.....per doz, strings.	1 00@ 1 25
Stocks.....per bunch, 20c@25c	
Snapdragons.....per doz..	20c@25c

publication of the schedule the following special prizes have been offered:

By M. C. Ebel, for a group of at least 18 vegetables, to be judged by the scale of points of the Lenox Horticultural Society, a piece of silver, value \$50.00.

By Arthur T. Boddington, for a group of 18 vegetables, to be judged by the same scale of points, \$25.00, cash or silver.

By W. E. Marshall & Co., for a group of vegetables, a piece of silver, value \$25.00.

A second prize will be offered by the Horticultural Society of New York in each of the above.

The first special fund of the society has been established by Mrs. Wm. Barr, of West Orange, N. J., in memory of her husband. She has given \$500.00, to be known as the Wm. Barr fund, the interest of which is to be used in paying for flower prizes.

GEORGE V. NASH, Sec'y.

CONNERSVILLE, IND.—The Carnation Support Co. of this city has incorporated with a capital stock of \$2,000.

BATTLE CREEK, MICH.—The sweet pea and pansy show held recently by the Battle Creek Horticultural Society was a success in every way and attracted much attention.

FT. WAYNE, IND.—W. J. and M. S. Vesey have brought suit against the Wabash railroad to recover \$30,000 damages for the destruction of plants and greenhouse during the March floods. They charge that piling driven in the river when the railroad double-tracked its right of way last fall obstructed the flow of water, which was diverted in such a manner as to flood the Vesey plant.



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WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,

Violets, Carnations, Valley, Lilies, Etc.

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Phone 2336 Madison. Shipments Everywhere.

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Open for Cut Flower Sales
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Desirable wall space to rent for advertising.

V. S. DORVAL. Secretary.

Mention the American Florist when writing

Geo. C. Siebrecht

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Tel. 608 and 609 Madison Square

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A. J. GUTTMAN, President.

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FRESH CUT EVERGREENS

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Asstd. sizes, Medium and Large,
\$7.00 per 100.

Also
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Remedies
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AUBURNDALE GOLDFISH CO.
1449 Madison Street, CHICAGO

Gold Letters

1 1/4 inch..... 45c per 100
1 " 40c " "
3/4 " 35c " "

American Importing Co.
219 Dearborn Street, Chicago

Do Not Take Any Fake Green Thread. Use the
Genuine Silkline and Get More Thread
and Less Wood.



JOHN C. MEYER THREAD CO., Lowell Thread Mills, Lowell, Mass.
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Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes

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by growers for stringing Smilax and Asparagus, as it
will not fade or rot in the greenhouse. The Meyer
Silkline was the first green thread to be introduced
among Florists and Growers. It is handled by the
best houses everywhere, but it should be ordered by
name—Meyer's Silkline—to be sure of getting the
genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the
manufacturers. Price for any size or color, \$1.25 per
lb. Sizes "F" fine, "FF" medium, and "FFF" coarse



FANCY FERNS, \$2.00 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of



Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

SPHAGNUM MOSS. FANCY CUT FERNS.

Get our prices before you place your orders.

H. ALLEN & CO.

Tomahawk,

Wisconsin.

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,

713-717 Milwaukee Ave., CHICAGO

MOSS

We have a surplus of 12 barrel bale New Jersey Moss, clean, fresh and burlapped, and will deliver anywhere in Chicago, express prepaid, at \$5.00 per bale, 2 or more bales at \$4.75. By freight collect at 25c per bale less. Satisfaction guaranteed or money refunded.

KLEHMS' NURSERIES, Arlington Heights, Ill.

Nearly all the stores have one or more away taking a much-needed rest. Miss Mary Redmond of Anderson's is sojourning at Crystal Beach.

Miss Matilda Stroh has return after two weeks in Attica. BISON.

Sphagnum Moss Headquarters

Full Size Bales, Clean Stock,
New Burlap

Try a Sample Order and Compare with
What You Are Getting

Vaughan's Seed Store, CHICAGO.

New Crop Fancy and Dagger Ferns Huckleberry Foliage now ready.

Price, Huckleberry, \$2.00 per case; Fancy Ferns,
\$1.25 per 1000; Dagger Ferns, \$1.10 per 1000.

Caldwell the Woodsman Co.

Everything in Southern Evergreens
EVERGREEN, ALABAMA.

HUCKLEBERRY FOLIAGE \$2.00 per case

FANCY FERNS, \$1.25 per 1000

DAGGER FERNS, \$1.10 per 1000

Perpetuated and Natural Sheet Moss.

E. A. BEAVEN, Evergreen, Ala.

AUG. STORZ

1220 Stowe St.,
Burlington, Iowa

Willow-Art and
Fancy Basket Maker

Over 20 years
practical experience.

All kinds of
Flower Baskets, Jar-
diniers, Hanging Bas-
kets, Porch Willow
Boxes, Vases, Novel-
ties, Etc. Any color,
with or without metal
lining. Write for sam-
ple and price list.



H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.
Send for our new catalogue.

Buffalo.

SUMMER DULLNESS PREVAILS.

Summer quietness all along the line. Sweet peas, lily of the valley and roses are about all that can be depended upon for a daily supply. Some good gladioli are coming in. Carnations are very small and not very plentiful.

NOTES.

The recent article which appeared in THE AMERICAN FLORIST signed W. C. is worth a perusal by every one. The larger stores have everything in them to be called up-to-date stores and business ideas, but seem to "fall down" on the early closing even during the summer months and on Sundays. If necessity compels Sunday work, do it behind closed doors.

S. A. Anderson has improved his store with a tile floor and an entire rearrangement of the interior.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

DULUTH, MINN. 

2 STORES 2

 SUPERIOR, WIS.**J. J. LEBORIUS**

Two Stores and seventeen large Greenhouses. Deliveries everywhere in Minnesota, Wisconsin, North Dakota, South Dakota and the Upper Peninsula of Michigan. All orders given prompt attention and filled with strictly fresh stock.

Chicago.

Established in 1857.

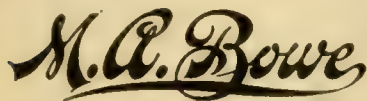


739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
Mention the American Florist when writing



IN THE HEART OF NEW YORK CITY
Phone Murray Hill 1440 and 1441.

6 East 33d Street, Opposite the Waldorf-Astoria.
Our Motto—The Golden Rule.

Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave., Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.

Greenhouses; Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Terre Haute, Ind.

John G. Heint & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail,
Telephone, Telegraph and Cable orders with
best quality stock in season

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

July 20.

FROM MONTREAL, Pomeranian, Allan.

July 21.

Tocantins, Lloyd Brasileiro.

July 22.

FROM MONTREAL, Tunisian, Allan.

FROM BOSTON, Laconia, Cunard.

Noordam, Holland-America, 10 a. m.

Kaiser Wilhelm II, North Ger. Lloyd, 10 a. m.

July 23.

Mauretania, Cunard.

Amerika, Ham. Amer., 9 a. m.

FROM BALTIMORE, Rhein, North Ger. Lloyd.

July 24.

FROM QUEBEC, Empress of Ireland, Can. Pa.

cific.

Celtic, White Star, 12 noon.

France, French, Pier 57, North River.

President Lincoln, Ham. Amer., 12 noon.

Barbarossa, North Ger. Lloyd, 12 a. m.

July 25.

St. Paul, American, 10 a. m., Pier 62, North

River.

Scottish Prince, Prince.

Hungarian Prince, Prince.

July 26.

FROM MONTREAL, Pretorian, Allan.

Cameronia, Anchor, 1 p. m., Pier 64, North

River.

FROM MONTREAL, Royal George, Canadian

Northern.

FROM PHILADELPHIA, Dominion, American.

11 a. m.

Lapland, Red Star, 10 a. m., Pier 61, North

River.

FROM MONTREAL, Athenia, Donaldson.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH ORDERS forwarded to
any part of the United States, Canada
and all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Reference or Cash must accompany all orders
from unknown correspondents.

Cable address: **ALEXMCNELL**,
Western Union Code.

Mention the American Florist when writing

Montreal



Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of **NEW YORK**

And give special attention to steamer and theater
orders. Prompt delivery and best
stock in the market.

Dallas, Texas.

**The Texas Seed and
Floral Company**

Orders for cut flowers and designs solicited for
delivery in any part of Texas.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.

For Wisconsin Delivery

—OF—

"HOME GROWN FLOWERS"

Get in touch with

J. E. Matthewson
SHEBOYGAN, WISCONSIN

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

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La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

Boston, Mass.



"Penn, The Telegraph Florist"

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalla, Mo.
Atlanta Floral Co., Atlanta, Ga.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Blackstone, Washington, D. C.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
California Florists, Tacoma, Wash.
Clark's Sons, New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. R., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Heini & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S., Pittsburg.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Leborious, J. J., Duluth, Minn.
Leborious, J. J., Superior, Wis.
Mangel, 17 E. Monroe St., Chicago.
Matthewson, J. E., Sheboygan, Wis.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Nicholas, John S., New York.
Ostertag Bros., St. Louis.
Palcz, Paul M., Little Rock, Ark.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pellicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Phillips Bros., Newark, N. J.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Portland Flower Store, Portland, Me.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller, The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Weber, Fred C., St. Louis.
Weber, F. H., St. Louis, Mo.
Wills & Segar, London, England.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Witthold, Geo., Co., 737 Buckingham Pl., Chicago.
Witthold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON

D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

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FLORISTS

241 Massachusetts Avenue.

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The Park
Floral Co.J. A. VALENTINE,
President.

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SAN FRANCISCO

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123 KEARNY ST.

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Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

FRED C. WEBER

SELLING FLOWERS
40 YEARS

4326-28 Olive Street

Notice initials—we have one store only.

Member Florists' Telegraph Delivery Association

ST. LOUIS, MO.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Mention the American Florist when writing

Portland, Maine.

**Floral Designs and
Choice Cut Flowers****Portland Flower Store**

631 Congress St.

Mention the American Florist when writing

Kansas City, Mo.

**Geo. M. Kellogg
Flower & Plant Co.**

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE

Washington, D. C.

Blackstone

14th and H. Street.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Mention the American Florist when writing

City Index to Retail Florists'

Filling Telegraph Orders.

Albany, N. Y.—Eyres, 11 N. Pearl St.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Mangel, 17 E. Monroe St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Duluth, Minn.—J. J. Leborious.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Paul M. Palez.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.

Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio—Chas. A. Duerr.
Newark, N. J.—Phillips Bros.
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New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—John S. Nicholas.
New York—Young & Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
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Poughkeepsie, N. Y.—The Saltford Flower Shop.
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St. Louis, Mo.—F. H. Weber.
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St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Superior, Wis.—J. J. Leborious.
Terre Haute, Ind.—J. G. Heini & Sons.
Tacoma, Wash.—California Florists.
Toledo, O.—Mrs. J. B. Freeman.
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Washington—Blackstone.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.

New York.

Established 1848

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus
Choice Cut Flowers.

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Podesta & Baldocchi

224 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

St. Louis, Mo.

Wire or Phone Your Orders to the
HOUSE OF FLOWERS.

Ostertag Bros.

The Largest Retail Supply House in the West.
Jefferson and Washington Ave.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
98 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**



POEHLMANN

BROS. CO.

72-74 E. Randolph St.,

Long Distance Phone,
Randolph 35.

CHICAGO, ILL.

NOTE:—Send us your name or change of address for our Weekly Cut Flower Quotations.

CUT FLOWERS.

EASTER LILIES

VALLEY

GLADIOLI

ASTERS

Are the best all around flowers for the summer. Ship best; keep best; are best for all kinds of work.

We can supply good roses all during the summer. Cut tight in bud during the hot weather. Try several orders. Satisfaction guaranteed. Specially arranged for summer cutting—Mrs. Chas. Russell, Milady, Sunburst, Killarney Queen, Aaron Ward, Bulgarie, Killarney and White Killarney, American Beauties.

Galax

Smilax

Sprengeri

Plumosus

Adiantum

NOTICE:—The Chicago Post Office does not deliver mail between One o'clock on Saturday, and Monday morning. Mail orders for shipment during the Summer that cannot reach us before noon Saturday should be wired. We earnestly advise **Night Letter Telegrams** or **Special Delivery** where shipment should be made Saturdays or Sundays.

Our City Store will close during July, August and September at 5 p. m. week days and noon on Sundays and Holidays.

Get Our New Supply Catalog.

It will be ready for mailing August 1. Wait for it before placing your fall order elsewhere. In the meantime if you want wire designs our Discount will be 35 per cent for orders taken during July. On Wheat Sheaves, we shall allow 15 per cent during this month.

Greenhouse Paint

Greenhouse Putty

Greenhouse Hose

Liquid Putty

Glazing Points and Brads

Daylight Cleaner

A Postal Will Bring Our Catalogue To You. Write Now.

All orders for Plants and other Decorative Stock should be sent direct to the Greenhouses at Morton Grove, Ill., so as to insure prompt attention and immediate delivery.

CLEARANCE SALE.

Best Grafted Rose Stock.

Pink Killarney, White Killarney, Mrs. Aaron Ward, Prince de Bulgarie, \$110.00 per 1,000; \$100.00 per 1,000 in 5,000 lots; \$97.50 per 1000 in 10,000 lots and \$95.00 per 1,000 in 100,000 lots, F. O. B. Morton Grove, Ill.

Supreme Quality Own Root Stock.

Melody, \$5.00 per 100; \$45.00 per 1,000. Richmond, 2½-inch, \$4.00 per 100; \$35.00 per 1,000

CHRYSANTHEMUMS

First Come, First Served.

Unaka, Shrimpton; Pink—McNiece, Maud Dean, O. H. Kahn
\$3.00 per 100; \$25.00 per 1000, NET.

POMPONS

Krut Westlake Skibo Madge Baby Laport Beau La Gravere Lulu Diana

Single—Kimmitt. Gertrude Wilson, Ida Kroeschell

POMPON CUTTINGS—CHOICE STOCK, \$20.00 PER 1000.

Decorative Plants

Kentias Belmoreana and Forsteriana, immense stock of perfect plants in all sizes from 4-in. to 10-in. plants, at prices ranging from \$4.50 per dozen to \$15.00 each, according to size.
Cocos Weddellana, 2½-in., \$15.00 per 100.
Grevillea Robusta, strong, 2½-in., \$3.00 per 100
Smilax, extra strong new stock, twice topped, 2¼-in., \$3.00 per 100; \$25.00 per 1000; strong 3-in., \$5.50 per 100, \$50.00 per 1000.
Asparagus Sprengeri, 2½-in., \$3.00 per 100; \$25.00 per 1000. 3-in., \$5.00 per 100, \$45.00 per 1000.
Asparagus Plumosus Nanus, 2½-in., \$3.50 per 100, \$30.00 per 1000; 3-in., \$6.00 per 100, \$55.00 per 1000; 4-in., \$12.00 per 100; extra strong, 4-in., \$15.00 per 100.
Asparagus Hatcheri, strong, 2¼-in., \$2.50 per 100.
Aspidistra, green and variegated, about 10 to 15 leaves per plant, variegated, 15c per leaf; green, 10c per leaf.
Primula Obconica Grand., strong, 2½-in., \$3.50 per 100; \$30.00 per 1000; 4-in., \$8.00 per 100.

Primula Obconica Gigantea, strong, 2½-in., \$3.50 per 100; \$30.00 per 1000; 4-in., \$8.00 per 100.
Ficus Pandurata, strong 6-in., \$3.50 each.
Pandanus Veitchii, highly colored, 6-in., \$1.00 to \$1.50 each; strong, 7-in., \$2.00 each.
Umbrella Plants, ready to shift, 2½-in., \$3.00 per 100; 3-in., \$5.00 per 100.

Berried Plants.

Jerusalem Cherries for field planting, strong, 2½-in., \$3.00 per 100; \$25.00 per 1000.
Cherries, Fra Diavola, 2½-inch, \$3.00 per 100.
Cluster Peppers, strong, 2½-in., \$3.00 per 100.
Celestial Peppers, an indispensable Xmas plant, strong, 2½-in., \$3.00 per 100; \$25.00 per 1000.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

ST. LOUIS, MO.

ORDERS TAKEN FOR

FLOWERS

DELIVERED TO ALL PARTS OF THE COUNTRY.
SPECIAL CARE, SELECT AND ARTISTIC WORK.

F. H. Weber

Member of Florists' Telegraph Delivery

Boyle and Maryland Ave.

Both Long Distance
Phones.

Send your orders for Chicago and Suburbs to



All orders carefully filled
under the supervision of
GEORGE ASMUS, Mgr

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**J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 506 Long Dist. Bell Phone 2189
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Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Little Rock, Ark.

**PAUL M. PALEZ,
FLORIST,**

409 MAIN STREET.

All orders carefully filled and delivered to all parts
of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heint)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Omaha, Neb.

Hess & Swoboda**FLORISTS,**

1415 Farnum St.

TELEPHONES
1501 and 1582**Newark, Ohio.****CHAS. A. DUERR.**

Member of Florists' Telegraph Delivery.

Louisville, Ky.

**F. Walker & Co.,
FLORISTS**

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

Poughkeepsie, N. Y.

The Saltford Flower Shop.

Hot weather orders are handled successfully.

New York.

MYER, FLORIST, 609-611 Madison Ave
Phone 5297 Plaza.

Boston.

BUSINESS VERY GOOD.

Everything considered business is not at all bad. Nobody expects Christmas or Easter prices in the middle of July, but considering all conditions, good stock is selling very well. The best tea roses are selling at from \$10.00 to \$15.00 a hundred. It must not be understood that large lots go at these prices, but such figures have been reached within the past week. We do not note a heavy demand for special American Beauty roses, but what come in bring \$3.00 a dozen wholesale. There is much short tea rose stock on the market that can be bought for from 75 cents to \$1.00 a hundred. The supply of carnations keeps up surprisingly well, and the quality is even better than might be expected at this season. The supply of sweet peas is not as heavy as it was a few weeks ago, but there are enough to meet the demand. In orchids, lilies and the various minor stocks there is a plentiful supply.

NOTES.

After 25 years on one Tremont street corner, Thomas F. Galvin has removed, but only one door from his former street number. Repairs and changes are in progress on the building, which caused the removal.

Andrew Christensen of Stoneham brought to the Boston Flower Exchange on July 14, 6,000 carnations which were sold out by 9 a. m.

At W. H. Elliott's salesrooms on Park street we recently noticed fine roses in variety from his Madbury, N. H., range.

Edward Bingham of Dedham is bringing into the Exchange fine sweet peas, which sell for more than the average price.

Mann Brothers, Randolph, are bringing in fine stock of Liliun rubrum as well as a good variety of other flowers.

Mrs. Zinn's Flower Shop, 34 West street, seems very prosperous and the work it turns out is noteworthy.

J. T. Butterworth, South Framingham, had good orchids on the market July 14. A. F. F.

In the Heart of New York

NEW FLOWER AND FRUIT STORE

JOHN S. NICHOLAS42nd St. and Park Avenue
Grand Central Terminal

New York City

The Old Established High Class Florist

Has opened a magnificent flower and fruit establishment on the Forty-second street side of the New Grand Central Terminal Station, New York City. The facilities of this store for the satisfactory execution of mail, telephone and telegraphic trade orders at steamers, and elsewhere in New York City and its suburbs are unsurpassed.

PHILIPS BROS, 938 Broad St.**NEWARK N. J.**

Artistic Floral Work and Long Stem
Beauties Our Specialty.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants.

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

New Orleans**CUT FLOWERS**

Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

**URIAH J. VIRGIN, —838—
CANAL ST.**

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Tacoma, Wash.

California Florists

will take care of all telegraphic orders.

Michigan.

Orders will be carefully
cared for by**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Nashville, Tenn.

Geny Bros. FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN

BAY TREES, BOXWOODS, PALMS

Select What You Need From This List and Let Us Have Your Order as Early as Possible. This Stock is of Fine Quality and Sure to Give Satisfaction.



BOSTON FERNS.

6-in. pots, \$6.00 per doz.; 7-in. pots, \$9.00 per doz.;
8-in. pots, \$12.00 per doz. **Boston and Whit-**
manli, 3-in., strong stock, \$8.00 per 100.

Boxwoods.

Obelisk, 5-ft.....	Each, \$12.00
Globe Shaped—	
12-15-inch.....	Each, \$2.00 to 2.50
Globular, 3 ft.....	Each, \$3.00
Pyramidal, 5 ft.....	Each, 5.00 and 6.00

Boxwoods—Standard.

20-24 crown.....	Each, \$3.50
24-30 ".....	" 5.00
36-40 ".....	" 8.00

MISCELLANEOUS

Aucuba, large.....	Each, \$3.00 to \$3.50
Aucuba Japonica, 2-ft....	" 1.00
Aucuba Type, 2-ft.....	" 1.00
Conifers, assorted, 18-24-in.	" 1.00
3-3 1/4-ft.....	" 1.50

Araucaria Excelsa—	Each	Doz.	Per 100
2-3 tiers.....	\$.50		
3-4 tiers.....	.75		
6-in., 4-5 tiers.....	1.00	\$12.00	
7-in., 4-5 tiers.....	1.50	18.00	
Areca Lutescens—			
3-in., 3 plants in a pot		2.00	15.00
6 in.....	1.50		

Asparagus Plumosus—			
2-in.....		3.00	
3-in.....		6.00	
4-in.....	1.50		
Asparagus Sprengeri—			
3-in.....		5.00	

BEDDING STOCK. Per 100

Geraniums, any variety.....	\$ 8.00
Nasturtiums, 3-in.....	6.00
Petunias, 3-in.....	6.00
Begonia Vernon, 2-in., \$3.00 per 100,	
\$25.00 per 1000.	

Bay Trees—Standard

Stem	Crown	Each
12-14-inch	18-in.	\$4.00
2-ft.	12-in.	\$4.00
2-ft.	18-in.	5.00
1-ft.	24-26-in.	6.00
3-ft.	20-22-in.	6.00
2 ft., 4-in.	24-28-in.	7.00
3-ft.	26-in.	7.00

PHOENIX ROEBELENI

	Each	Doz.	Per 100
2 1/2-inch.....	\$ 2.00	\$15.00	
3-inch.....	3.00		
4-inch.....	\$0.50	6.00	
6-inch.....	12.00		
6-inch, strong.....	18.00		
7-inch.....	\$2.50 and 3.00		

Specimens, 7 in. extra strong.....4.00 each.
8 in. extra strong.....5.00 each.

PHOENIX RECLINATA

7-in., 24 in. high.....	Doz., \$12.00
-------------------------	---------------

Phoenix Canariensis

3-in., 3 ft. 6 in. high.....	Each, \$3.00
8-inch tubs, 3 ft. high.....	" 3.00
10-inch tubs, 4 ft. high.....	" 6.00
10-inch tubs, 5 ft. high.....	" 9.00
12-inch tubs, 6 ft. high.....	" 15.00

KENTIA BELMOREANA.

Size	Leaves	Ht.	Each	Doz.	100
2-in.	4	8-in.		\$1.50	\$12.00
3-in.	4-5	8-10-in.		2.00	15.00
4-in.	4-5	12-in.		3.60	30.00
5-in.	5-6	15-18-in.		6.00	50.00
6-in.	6-7	20-22-in.	\$1.00	12.00	
6-in. strong, 5-6	18-20-in.	1.50		18.00	
7-in.	6-7	26-28-in.	2.00	24.00	
7-in. strong, 6-7	22-24-in.	2.50		30.00	
8-in.	6-7	36-40-in.	5.00		

COCOS WEDDELIANA.

2-inch.....	Doz. \$1.75; 100, \$14.00
Latania Borbonica—	
6-in.....	\$9.00 Doz.
7-in.....	\$12.00 Doz

The Geo. Wittbold Co. —L. D. PHONE, GRACELAND 1112— **737-39 Buckingham Pl. Chicago**

Bay and Box Trees

BAY TREES. These trees come in tubs.

Nothing can approach these handsome trees for decorating porches, piazzas, or hall entrances and they are largely used for stately effects in formal gardens.

Standard or Tree Shaped.

Stems	Each	Pair
36-in.....	\$ 7 00	\$13 00
45-in.....	7 50	14 00
45-in.....	8 00	15 00
45-in.....	10 00	18 00
48-in.....	12 00	22 00
48-in.....	15 00	28 00

Stems	Each	Pair
30-in.....	\$ 7 00	\$13 00

Pyramidal Shaped.

Each	Pair
5 ft. high, 24-in. diameter at base..	\$ 8 00 \$15 00
6 ft. high, 26-in. diameter at base..	10 00 18 00

BOX TREES.

Prices on Pyramid and Globes include new green tubs. If wanted out of tubs we allow 10 per cent discount.

Pyramids.

Each	Pair
2 1/2 ft. high.....	\$2 00 \$3 75

Globe Shaped, Untrimmed.

Each	Pair
15 in. high, 15 in. dia.....	\$2 00 \$3 75
18 in. high, 18 in. dia.....	2 50 4 50

Bush Shaped. These do not come in tubs.

Each	Doz.	100
12 in.....	\$0 40	\$4 00
18 in.....	80	6 50
20 in.....	75	8 00
24 in.....	1 00	10 00

VAUGHAN'S SEED STORE

31 W. Randolph St., CHICAGO

43 Barclay St., NEW YORK

Greenhouses, Trial Grounds and Nurseries Western Springs, Ill.



STANDARD BAY TREE

The Seed Trade.

American Seed Trade Association.

Charles C. Massie, Minneapolis, Minn., President; J. M. Lupton, Mattituck, L. I. N. Y., First Vice-President; W. F. Thurlkerson, Painesville, O., Second Vice-President; C. E. Kendal, Cleveland, O., Secretary and Treasurer; S. F. Willard, Wethersfield, Conn., Assistant Secretary.
Next annual convention, June 1914.

FORMOSA lily bulbs are due early next month.

J. C. VAUGHAN and party celebrated the Fourth in Paris.

SWEET CORN in all sections is reported to be coming along nicely.

EARLY potato prospects in the Red River Valley are reported excellent.

DUTCH hyacinths are reported a smaller crop than last year, while narcissi are showing a fair yield.

CHICAGO.—Prices for grass seed on the Board of Trade July 16 were as follows: Timothy, \$4.25 to \$5.00 per 100 pounds.

THERE is much complaint from bean growers and seedsmen regarding the loss of germination in the 1912 bean crop being carried over the summer. Michigan bean fields are a thin stand.

THE rainy weather in the vicinity of Chicago the past few days it is feared will cause the production of many over-sized onion sets. Many fields are very thin and a dry season was needed to prevent over run sets.

DUNKIRK, N. Y.—The Lake Shore Seed Co. has purchased the entire plant of the Lux Light Co., on West Third street, and will use the place for their seed warehouse. Plans for rebuilding the warehouse on Second street, which was burned, have been abandoned.

SHENANDOAH, IA.—The Henry Field Seed Co., Inc., did a much greater business this year than last, a total of nearly 8,000 more orders being received. The total orders for the season were 60,805. At the annual meeting, held recently the old officers were continued in office and a dividend of 6 per cent was declared.

STURGEON BAY, WIS.—Jno. B. Davis left on July 10 for St. Anthony, Idaho, where his company has a considerable acreage of contract peas planted. He will be absent until the first of October, returning here after the crop has been harvested. The peas will be brought here to be picked over, as has been the custom. The company expects a good yield this season.

A REPORT from an American consul in England states that a British firm will shortly publish a book on the cultivation of soya bean and wishes the names of manufacturers of reapers and threshers. The main purpose of the firm is to increase the area of cultivation of soya bean and to furnish the African growers, for whom the books are published, the addresses of the manufacturers of the machinery required.

MANY jobbing garden seed houses are complaining of short future bulb business, due to a much larger carry-over by the small local bulb dealer, attributed to poor sales on account of the late season this spring.

Burpee's New Sweet Peas.

W. Atlee Burpee & Co., Philadelphia, Pa., have issued their advance announcement of new sweet peas for 1914, which will be of great interest to growers of these popular flowers. The four important novelties mentioned are: Illuminator, Empress Eugenie, King White and Wedgewood. The illustrations show the flowers to be superb productions, well worthy the commendations they are receiving from sweet pea experts in this country and abroad.

King White—The producers call King White "the most valuable novelty in sweet peas it has yet been our good fortune to introduce," and Edwin Lonsdale declares it is "not only the best white sweet pea in existence, but it is a leader among all sweet peas; its purity, large size, wavy standard and coming generally four flowers on a stem, placed just right, appeal to everyone, whether amateur or professional." Disinterested persons everywhere have only good words for the variety. Lester L. Morse of San Francisco declares it is the best sweet pea novelty of recent times. Hugh Dickson of Belfast, Ireland, from whom praise is praise indeed, says: "King White is well and truly named. This certainly is the 'King' of all white sweet peas. In strength of vine, size of flower, frilled form and finish no other white sweet pea can compare with it. The texture, too, of the flower is greater than that of any other white." This variety is com-

mended in glowing terms by the Garden and the Nurseryman and Seedsman, both London publications.

Illuminator—This flower, according to Frank G. Cuthbertson, is "the most glorious sweet pea I have ever seen. The color is exquisite, being a deep, bright cerise-salmon on cream ground. The base of wings and standard is deep cream and this lights up the color well. Would say it is much richer than Edith Taylor." Hugh Dickson has warm words of praise for this variety also.

Empress Eugenie—The color is a delicate tone of light gray flaked with light lavender. The flowers are of large size, beautifully waved and crimped. A vigorous grower and very free flower. This novelty was awarded a certificate of merit by the American Sweet Pea Society June 29, 1911, but it was not introduced before the season, owing to its shy seeding character.

Wedgewood—In color a shade of the Wedgewood blue, which makes this style of chinaware so popular. It is free from the harsh purple shading found in Flora Norton Spencer and others of the same type. It is also much larger. The flowers are borne on long stems and almost uniformly in four-flowered sprays. The standard and wings are waved.

BLOOMINGTON, ILL.—The Funk Bros. Seed Co. has purchased a large tract of land in St. Charles parish, Louisiana, to be used as a seed farm.

CONCORDIA, KANS.—Harry L. Hunt, who has been with the Davidson Floral Co. of Holdrege, Neb., has taken over the greenhouse of C. J. Lampe, who, with his wife, will take a much needed rest in Oregon and California.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited

BRASLAN SEED GROWERS CO., Inc.
SAN JOSE, CALIFORNIA

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE.

Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Alfred J. Brown Seed Co.,

Growers for the Trade

Grand Rapids, Michigan.

PEAS

BEANS

CUCUMBER

We shall be pleased to quote you our prices for prompt or future shipment.

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers

SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS

Lily of the Valley Pips

WE have on hand a few cases of Lily of the Valley Pips, (3000 to case) Berlin and Hamburg, which we offer at **\$32.00 Per Case** (of 3000).

J.M. Thorburn & Co

53 Barclay St.

New York

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA

J.C. Robinson Seed Co.

WATERLOO, NEBRASKA.

Rocky Ford, Colorado.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin seed; Sugar Flint and Field Seed Corns.

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPENTERIA. CALIF.

H. WREDE LUNEBURG, GERMANY PANSY SEED

180 First Prizes, the highest awards Chicago, Paris, London, Bruxelles, Berl., Hamb., Roma.
1000 seeds, finest mixed...25c
1 oz. ...\$2.25

Price list on application.

Cash with order

ADRIAN, MICH.—The Lenawee County Horticultural Society held a very interesting meeting at the court house Wednesday, July 9.

PHILADELPHIA, PA. — The annual summer exhibition of the Chestnut Hill Horticultural Association was held in Library Hall, Tuesday evening July 8, and exhibits were judged in the presence of a large number of enthusiasts. James Cheston, Jr., won first prize for foliage plants; Henry A. Laughlin won honors for both sweet peas and vegetables, and Stephen Ager was given a certificate of credit for cut flowers.

BOSTON, MASS.—James and John Farquhar tendered a banquet to a number of the leading horticulturists and members of the Massachusetts Horticultural Society July 12. The guests were later taken by automobile to the Farquhar Roslindale establishment. Among those present were: Charles W. Parker of Macaular Parker Co., Jackson T. Dawson, Arthur H. Fewkes, Thomas J. Grey, Charles Breck, T. D. Hatfield, William Nicholson, William P. Rich, David F. Roy, Charles Sander, William Thacher, Wilfred Wheeler of the Massachusetts Agriculture Commission, Thomas Roland, William J. Stewart, William Sim, Robert Cameron, James F. M. Farquhar, J. K. M. L. Farquhar and W. P. Edgar.



"Superb Quality" Seeds for Florists

The Storrs & Harrison Co.'s
Superb Mixture of
GIANT PANSY SEED

contains the Ultimate in Giant Pansies
You cannot buy a better mixture of Pansy Seed at any price.

Trade Pkt. 50c; 1/4-oz., \$1.25; oz., \$4

We carry in stock all named and separate colors of Giant Pansies; also the best strains of Oclier, Cassier, Bugnots, Trimardeau, etc. (See our trade list for prices).

CINERARIA GRANDIFLORA, Mixed (A magnificent strain.)
Trade packet, \$1.00.

BELLIS PERENNIS (English Daisy)

Longfellow (Red), Snowball (white), tr. pkt., 35c; Mixed Colors, tr. pkt., 25c.

ALL OTHER SEASONABLE SEEDS

Annual and Perennial

Is your service in Flower Seed Satisfactory?

This "Trade Mark" is the symbol of 60 years of Satisfactory Service.

The Storrs & Harrison Co.
Painesville, Ohio



Mention the American Florist when writing

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Mention the American Florist when writing

THE C. HERBERT COY SEED CO. VALLEY, Douglas County, Neb.

Contract Growers of
High Grade Seeds
Cucumber, Melon, Squash and Pumpkin.
Sweet, Flint and Dent Seed Corn

—FOR—
SEEDS
OF ALL KIND APPLY TO
W. W. Johnson & Son, Limited
Boston England

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

VICK'S GIANT SUPERB PANSY SEED

1/8 oz. 75c; 1/4 oz. \$1.35; oz. \$5.00

All leading named varieties
Pansies

All varieties of Flower Seeds
for mid-summer sowing.
Choice Strains

Write for Special Prices.

Rex Begonias - - - \$3.00 per 100.

Asparagus Sprengeri - \$2.50 per 100.

James Vick's Sons
ROCHESTER, N. Y.

Mention the American Florist when writing

The KENILWORTH Giant Pansy



Pansies in Separate Colors

1000 Seeds	
Giant Adonis, light blue with yellowish white face, large dark blotch.....	\$0.25
Giant Emperor William, ultramarine blue with purple violet eye.....	.25
Giant King of the Blacks, coal black.....	.25
Giant Lord Beaconfield, violet upper petals shading to white.....	.25
Giant Yellow, pure golden yellow.....	.25
Giant Yellow with dark blotch.....	.25
Giant White, satiny white.....	.25
Giant White with large violet center.....	.25
Giant Red, a fine mixture of red shades...	.25

1000 Seeds		
Giant , royal purple, fine large flower.....	\$0.25	
Giant , bronze and copper mixture.....	.25	
Giant , light blue, sky blue.....	.25	
Giant , dark blue deep blue shades.....	.25	
Giant Zebra , mixed shades, striped.....	.25	
Giant McKinley , yellow, each petal blotched with a deep reddish brown.....	.25	
Giant Psyche , ruffled violet white margin.....	.25	
Giant Mad. Perret , red and wine shades.....	.25	
The preceding 17 sorts mixed in equal proportions.....		.25
Any 5 pks., \$1.00; any 11 pks., \$2.00.		

Rainbow is a mixture of the most beautiful, gorgeous colors; blotched striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send 1000 of Rainbow free and with other amounts in like proportion.

New Seed Now Ready.

1000 seeds, 25c; 5000, \$1.00; ¼-oz., \$1.25; 1 oz., \$5.00.

Chas. Frost
Kenilworth,
N. J.

Seed Used Per Acre.

FROM UNITED STATES CROP REPORTER, JUNE, 1913.
In consideration of supplies and distribution of crops, as well as for other purposes, the average quantity per acre used for seed is frequently a question of interest. A year ago county crop correspondents of the Bureau of Statistics were requested to report the quantity of various seeds usually sown or planted per acre. The returns were tabulated and show the following averages for the United States; more or less variation from the average prevails in different States, and, therefore, in addition to the averages of returns, an estimate of the range of the bulk of the seedings (not the extreme range) is also given;
Seed used per acre, approximate averages for the United States.

Crop.	Average of Report	Estimated range of bulk of plantings.
Alfalfa, broadcast.....lbs.	18.3	15 to 20
Alfalfa, drilled.....do.	14.8	12 to 18
Barley.....do.	1.84	1.5 to 2.0
Beans, field, small.....do.	.76	.5 to 1.0
Beans, field, large.....do.	1.29	1.0 to 1.5
Beets, com. (not sugar).....lbs.	6.3	5.5 to 7.5
Blue grass.....bus.	1.07	.75 to 1.25
Broom corn.....lbs.	6.0	3 to 7
Buckwheat.....bus.	.98	.75 to 1.25
Cabbage, plants.....no.	5,658.0	5,000 to 7,000
Clover, alsike.....lbs.	8.7	8 to 12
Clover, Japan.....do.	9.9	9 to 15
Clover, mammoth.....do.	10.4	8 to 12
Clover, red, alone.....do.	10.7	8 to 12
Clover, red, on grain.....do.	9.8	8 to 12
Clover, crimson.....do.	12.1	10 to 15
Corn, for grain.....do.	9.5	6 to 12
Corn, fodder, for silage.....do.	26.0	15 to 35
Cotton.....bus.	.96	.9 to 1.1
Cowpeas, for forage.....do.	1.31	1.0 to 1.5
Cowpeas, in dr. with corn.....do.	.63	.40 to .65
Cowpeas, for seed.....do.	.70	.50 to .75
Field peas, small.....do.	.93	.75 to 1.25
Field peas, large.....do.	1.17	1.0 to 1.5
Flaxseed.....lbs.	29.2	25 to 30
Oats.....bus.	2.37	2.0 to 2.5
Orchard Grass.....lbs.	12.6	10 to 15
Peanuts.....bus.	1.02	1.0 to 1.1
Potatoes.....do.	8.6	7 to 12
Rice.....do.	1.98	1.5 to 2.5
Rye, for grain.....do.	1.44	1.25 to 1.75
Rye, for forage.....do.	1.82	1.5 to 2.0
Soy beans, drilled.....do.	.79	.50 to 1.00
Soy beans, broadcast.....do.	1.37	1.00 to 1.50
Sugar beets.....lbs.	13.1	12 to 18
Sweet potatoes, plants.....do.	6,605.0	6,000 to 7,000
Timothy.....do.	9.4	8 to 12
Tobacco plants.....no.	4,762.0	
Wheat.....bus.	1.38	1.25 to 1.75

Francesco Bulleri

Purveyor to the Royal family of Italy.

SCAFATI (near Pompei) ITALY.

NOVELTY FLOWER SEEDS—BULB AND PLANT PRODUCTIONS.

PETUNIA, PANSY, CINERARIA, and a great variety of other seeds. Write for price list and send orders to V. SHAKETANO, 50 West 30th Street, NEW YORK, agent and representative for the United States.

Mention the American Florist when writing

Western Seed & Irrigation Co.

Wholesale Seed Growers and Dealers

SPECIALTIES:

Sweet, Flint and Dent Corn; Cucumber, Musk and Watermelon; Pumpkin and Squash.

FREMONT : NEBRASKA

Mention the American Florist when writing

ROEMER'S Superb PANSIES

The finest strain of Pansies in the World. Introducer and Grower of all the leading Novelties. Highest Award International Exhibition, Dusseldorf, 1905. Catalogue free on application.

FRED. ROEMER, Seed Grower, Quedlinberg, Germany

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MANN'S

Lily of the Valley

are the finest in existence and their flowers bring the best prices on the London market. For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany

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A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner. Ricard. Perkins Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100, Boston and Whitmani Ferns, 3-in., 10c; 4-in., 15c; 5 in., 25c.

Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in. \$25.00 per 100.

Vinca Var., 3-in., \$5.00 per 100.

Asparagus Plumosus, 2-in., \$3.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

Geraniums

Rooted Cuttings with Roots.

Safe delivery guaranteed to any point within reasonable shipping distance.

S. A. Nutt and Poitevine, \$10.00 per 1000

Ricard, \$12.50 per 1000

Smilax, extra fine, \$12.50 per 1000

Sprenger, good stock, \$15.00 per 1000

Hatcher, good stock, \$15.00 per 1000

ALBERT M. HERR, LANCASTER, PA.

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Special Geraniums

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Each year has added to the quality of its flowers and variety of its colors. We buy every year novelties of known merit to improve the mixture; it is always complete, always the latest and always the best mixture. We add to all Pansy Mixtures which we now buy more than fifty per cent of the choicest named kinds obtainable, each in correct proportion. This is one of the specialties which has established the reputation of Vaughan's Flower Seeds, and one which we maintain most carefully. Trade pkt. 50c; ½ oz. \$1.50; ¼ oz. \$5.00; oz. \$10.00.

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This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strains. Trade pkt. 25c; ½ oz. 60c; oz. \$4.00; ¼ lb. \$14.00.

New Princess Pansies.

Of the Cassier and Masterpiece type, habit remarkably erect, which is its distinguishing characteristic. Extensive range of colors with yellow predominating. Trade pkt. 25c; ½ oz. \$1.50.

Vaughan's Cut Flower Mixture.

This mixture is put up by ourselves and contains mostly light colored sorts. We have sold this mixture for several seasons to some of our Chicago cut-flower growers, who have realized big returns from the sale of the flower. Pansies are as easily grown as violets, require less care and bring better returns. Trade pkt. 50c; ½ oz. 85c; ¼ oz. \$1.40; oz. \$5.00.

CINERARIA—Vaughen's Columbian Mixture.

It consists of a mixture made up by ourselves of the choicest English, French and German strains and cannot be excelled in variety of colors, size, shape and substance of flowers and perfect habit of plant. Trade pkt. (500 seeds). 50c; 3 trade pkts. \$1.40.

PRIMULA—Vaughan's International Mixture.

This mixture is composed of the most salable colors of single flowering Chinese Primulas, the best whites, pinks and reds, with a sprinkling of other colors, enough to give a large variety of colors, the most important shades predominating. Trade pkt. of 350 seeds, 50c; per 1-16 oz. \$4.00.

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ROSES--Special for July.

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Killarney, Mrs. Aaron Ward, Lady Hillingdon, Double Pink Killarney, Mrs. Taft, White Killarney and My Maryland,
Grafted—3-inch, \$10.00 per 100; \$90.00 per 1000.

ROSES ON THEIR OWN ROOTS.

Killarney and Mrs. Taft, 2¼-inch, \$3.50 per 100; \$30.00 per 1000.

GARDENIA VEITCHII.

From 2¼-inch pots, \$7.00 per 100; \$60.00 per 1000.
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Shrimpton	\$2.50	\$20.00	Dr. Enguehard	\$3.00	\$25.00	October Frost	\$2.50	\$20.00
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Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, July 14.—Mushrooms, 25 cents to 60 cents per pound; lettuce, 15 cents to 20 cents, large boxes; radishes, 75 cents to \$1.00 per 100 bunches; cucumbers, 20 cents to 35 cents per basket; asparagus, 75 cents to \$2.00 for 24 bunches.

New York, July 12.—Cucumbers, 50 cents to \$1.60 per basket; mushrooms, 50 cents to \$1.50 per 4-pound basket; tomatoes, \$2.00 to \$3.50 per box; radishes, 50 cents to 75 cents per 100 bunches; rhubarb, 50 cents to \$1.00 per 100 bunches; lettuce, 50 cents to \$1.75 per basket or crate.

Celery Found to Contain Copper.

The Department of Agriculture, acting on the complaint of Dr. W. C. Woodward, Health Officer of the District of Columbia, and the health officers of other states, has found by careful analysis that a great deal of table celery, which came to market during the last season, contained slight amounts of copper in the form of dried Bordeaux mixture (lime and copper sulphate), which farmers have to use to spray celery plants, to prevent the destruction of the crop by blight. Celery not sprayed with Bordeaux mixture during its growth is liable to reach the market in a state of partial decay, and housewives should be particularly careful in washing all celery before use.

The use of salts of copper in food products was decided by the Referee Board to be deleterious to health, and canned vegetables greened with copper has been stopped. This is parallel to the laws of France, where the use of copper vessels is forbidden in packing food products.

Analysis of four different samples of celery showed that before washing the edible part of the outside stalks contained from 9.1 to 29.2 parts of copper per million, or less than 1/6th to 1/2 grain of copper per 2 1/4 lbs. of celery. The copper in the inside or heart of stalks was much smaller in amount, and ranged from 3.3 to 10.3 parts per million. In the leaves of the celery, however, which are the parts of the plant especially sprayed with Bordeaux mixture, there were found from 157.6 to 288.4 parts of copper, per million parts. Leaves should not be eaten. After washing by hand or with a brush, there was only from 3.9 to 9 parts per million in the outside stalks, and from 1.4 to 3 parts per million in the inside stalks or heart. These quantities are infinitesimal, and mean that a person would have to eat from 9 to 18 lbs. of celery daily to reach the amount of copper which, if daily consumed, would, according to the experts, have any direct effect on the health.

The copper, it was found upon investigation, resulted from improper methods of using Bordeaux mixture on the part of celery growers. At the same time, it was found that the use

of Bordeaux mixture is absolutely essential to the growing of celery in many sections of the country, especially in Florida. The Department, however, found that the spraying apparatus used by many celery growers does not operate at a sufficiently high pressure to make a fine spray or mist. As a result of this faulty apparatus, the Bordeaux mixture is applied in a number of fine streams instead of a mist, and these instead of merely settling on the leaves and killing the insects, run down between the stalks. As a result, the mixture accumulates at the base of the plant, and is not washed out by the rain. This sometimes gives a green appearance to celery, which causes many people to think the color results from Paris green, whereas the green tint is simply a copper-stained lime.

The Department of Agriculture has issued a circular requesting that all spraying of celery plants with Bordeaux mixture be done with efficient apparatus working under high pressure,—one hundred pounds or more. Also a warning to consumers to break bunches of celery open and wash and scrub the stalks thoroughly before they are eaten. According to the chemical experts who made the analysis, a careful washing of celery would remove practically all of the copper resulting from dried Bordeaux mixture, or reduce the amount present to such a small quantity as to be entirely negligible.

Westchester and Fairfield Hort. Society.

The regular monthly meeting of the society was held in Doran's Hall, Greenwich, Conn., July 11. President Robt. Williamson in the chair. Open discussion took place on the schedule for the fall show. With a few corrections made, the final schedule will soon be out. Mrs. L. C. Bruce of Greenwich was unanimously elected a life member of the society. Four new members were elected. Adrian Iselin, Jr., of New Rochelle, N. Y., has kindly donated a prize of \$50.00 for the fall show.

The few choice exhibits at the meeting were judged as follows:

Wm. Morrow, cultural certificate for Eucharis Amazonica.

J. McAllister, honorable mention for Buddlea variabilis magnifica.

Mrs. Paul F. Dwinger, honorable mention for pot-grown hydrangeas.

P. W. Popp, honorable mention for Allamanda Shotti.

Thos. Ryan, vote of thanks for canna Mrs. F. Conard.

Wm. Morrow, vote of thanks for Gypsophila paniculata fl. pl.

P. W. Popp, vote of thanks for mammoth zinnias.

Dehn & Bertolf, vote of thanks for Catananche coerulea, Stokesia cyanea, Delphinium Chinensis.

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Malacoides, Giant Baby Primrose, strong, 2 1/2-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and **Sprengerl**, strong, 2 1/2-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

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ALSO GROW LARGELY ON CONTRACT.

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Mrs. Geo. Shawyer and Milady, \$30.00 per 100, \$250.00 per 1000.

Pink and White Killarney and Richmond, grafted, \$20.00 per 100;
Own root, \$10.00 per 100.

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Sunburst, \$20.00 per 100. American Beauty, \$12.00 per 100.

The above stock all from 4-in. pots and warranted to give satisfaction. A plain unvarnished tale as advertisements go but we always stand back of our goods.

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Mammoth, $\frac{3}{4}$ -in. and up.....\$8.00
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Long Stem Variety
Per 100..... \$ 1.50
Per 1000..... 12.00
Purity--True
Per 100 Per 1000
 $\frac{3}{4}$ -in. to 1-in.....\$3.00 \$25.00
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FOR IMMEDIATE DELIVERY.

We have received our first consignment of Harrisii, and offer a selected stock of the original true Harrisii for early forcing. The stock was grown from the original true type, and will be found splendid stock for early forcing, for which purpose Harrisii is so valuable. The crop this season is much shorter than usual, but we are still in position to supply a nice lot of selected stock, and can now make delivery from first shipment.

6 to 7 inch bulbs, 350 to the case, \$5.50 per 100; \$45.00 per 1000.
7 to 9-inch bulbs, 200 to the case. 9.00 per 100; 82.50 per 1000.

Full case lots at thousand rates.

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Blue and Pink

In Bud and Bloom for Immediate Use.

We have a fine stock of pot grown plants in 6-in. and 7-in. pots, in fine shape, just beginning to show color; 50c and 75c each.

We offer, also, a large stock of well-budded plants for July and August flowering. Plants in large tubs, \$2.00 and \$3.00 each; extra large specimens in half-barrels at \$5.00 and \$7.50 each.

FINE FERNS FOR SUMMER DECORATION.

We have a fine stock of the following varieties of Nephrolepis.

Elegantissima, 6-in. pots 50c each; 8-in., \$1.00 each.

Harrisii form of Bostoniensis—the best of all of the plain-leaved type, 8-in., pots, \$1.00 each; very large specimens in 10-in. pots, \$3.00 and \$4.00 each.

WINTER-FLOWERING ROSES.

White Killarney, Pink Killarney, Richmond, Lady Hillingdon and Killarney Queen.
We have a small surplus over and above our own requirements of the above named varieties. Strong grafted plants in $\frac{3}{4}$ and 4-in. pots, which we can supply as long as unsold.

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The Nursery Trade

American Association of Nurserymen.

J. B. Pilkington, Portland, Ore., President-elect; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-ninth annual convention to be held at Cleveland, O., 1914.

AMES, IA.—The state horticulturist reports the prevalence of apple blight or twig blight throughout the state and it is feared fruit growers will suffer much damage to their orchards unless prompt steps are taken to stamp out the disease.

THE United States treasury decisions, published July 10, contain the following: Evergreen seedlings classified as nursery stock were held entitled to free entry under paragraph 668, tariff act of 1909. Protests (of Maltus & Ware, New York) sustained in part. Protests (of F. B. Vandegrift & Co. et al., New York) sustained as to evergreen seedlings claimed to be free of duty under paragraph 668, tariff act of 1909. Protests (of A. H. Ringk & Co. et al., New York) overruled as to natural flowers, artificially colored, classified under paragraph 438, tariff act of 1909.

Windbreak Commandments.

Washington, July 12.—The forest service has devised a decalogue for the use of farmers in the plains regions. These ten commandments are to be displayed as part of the exhibit which the forest service is preparing for an exposition to be held during October at Tulsa, Okla., in connection with the eighth international dry farming congress. The commandments for owners of windbreaks are as follows:

1—Place the windbreak at right angles to the direction of injurious prevailing winds.

2—Devote from one-eighth to one-fifth of the farm to timber. Its protective value more than pays for the ground it occupies, to say nothing of the timber yield.

3—Plant only species suited to windbreak use, to the region and to the locality.

4—Plant rapid growers for quick results; but underplant with slower growing species, which are usually longer lived and more valuable.

5—Supplement a deciduous windbreak with evergreens to afford protection in winter.

6—Separate trees by the spacing proper to the species used. The trees should be close enough to produce a dense windbreak and to yield good poles, but should not be so crowded as to produce spindling growth.

7—Make the windbreak thick from the bottom up, especially on the side toward the wind. This may be done by using species which branch near the ground, by planting outside rows of low-growing trees, by encouraging natural reproduction and by underplanting.

8—Cultivate the plantation thoroughly while it is young.

9—Do not allow excessive grazing where reproduction is desired.

10—Do not thin your woodlot too heavily or take out the best trees for minor uses. Remember that a timber tract should be improved by use and

that each clearing should leave it in better condition than before.

Other exhibits will show the proper locations for windbreaks, suitable species for planting, and the direction of harmful prevailing winds in various regions.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
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Wm. Warner Harper, Prop.
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Shrubbery

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Roses

See prices
Page 1236
June 21st.

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Hardy English Ivy, large leaf, out of 3-in. pots, 2 to 3 plants to a pot, \$4.00 per 100. Clematis *Paniculata*, out of 2½ and 3-in. pots, \$4.00 per 100. *Nierembergia*, out of 2-in. pots, \$3.00 per 100. *Cobea Scandens*, out of 3-in., \$3.00 per 100. Cash with order, please.

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1500 KAISERIN
1500 MY MARYLAND
500 PERLE

Growing Stock for Benching. Either 2½ or 3½-in. Send Samples and price at once.

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Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Spring Bulbs and Roots, Conifers, Pines.

ENGLISH IVY.

4 ft. bushy, 4 inch pots.....\$15.00 per 100
4 and 5 ft. bushy, 4½ inch pots 20.00 per 100
Good value for window effect.

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Araucaria Excelsa, new April, 1913 importation 3, 4 and 5 tiers; 5, 5½ and 6-inch pots: 35c, 40c, 50, 60c and 75c.

Robusta Compacta Glauca, big stock, 6-in. pots \$1.25 to \$1.50.

Begonias.

Zulu King—A new deep red ever blooming for growing on for Fall and Winter blooming. 2½-in. pots, \$3.00 per 100; 3-in., \$5.00 per 100; 4-in., \$7.00 per 100.

PALMS, Kentia Forsteriana, 4½ to 5-in. pots, 20 to 25 in. high, 35c to 50c; 5½ in., 60c to 75c; 6 to 7 in. pots, 30, 35 to 40 in. high, \$1.00, \$1.25, \$1.50 to \$2.00. 7-in. pots made up, 1 large plant in center with 3 smaller plants around it, \$2.50 to \$3.00.

Kentia Belmoreana, large, 4½ in., 25c to 35c; single, 5½ to 6-in. pots, 60c, 75c to \$1.00. Made-up of 3 plants, 6 in. pots, 75c, \$1.00, \$1.25 to \$1.50.

Livistona Rotundifolia, the beautiful dwarf Latania Chinese fan palm, 4, 5½ and 5½ in. pots, 12 inches high, 7 leaves, 35c, 40c, 50c.

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CHINESE OBCONICA, Alba and Per 100
 Rosea.....\$2 00
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ASPARAGUS Sprengeri; **ANTHERICUM vitatum variegatum**; **ARTILLERY PLANTS**; **PARLOR IVY**; **SWAINSONA**; **PASSION VINE**, two varieties.

Plants from 3 inch pots \$4.00 per 100.
IVY, Hardy English; **PASSION VINE**; **AMPELOPSIS Veitchii**.

CHRYSANTHEMUMS, Advance, Polly Rose, White Cloud, Diana, Pacific Supreme, from 2½-inch pots, \$2.00 per 100.

Kentia Belmoreana, 3 to 4 leaves, \$1.50 per doz.
Passion Vine, 4 inch pots, 10c each.
Honeysuckle Halleana, 4 in. pots, \$1.00 per doz.

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Cattleya Trianae, **C. Gaskelliana**, **C. Dowiana**, **C. Percivalliana**, **C. Speciosissima**, **Dendrobium Formosum**, **D. Jamesianum**, **D. Chrysotoxum**, **Oncidium Splendidum**, **O. Cicallosum**, **Odontoglossum Grande**, **Lycaste Skinnerii**, etc., etc.

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Lilium Rubrum.

8-9-in. (170 to case) per case, \$8.50
 9-11-in. (100 to case) per case, 8.00

Lilium Album.

9-11-in. (100 to case) per case \$11.00

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9-10-in. (200 to case) per case.....\$17.00

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Primroses—Obconica and Chinese—2½-in. pots,
 the very best strains, strong plants, \$3.00 per
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Nitrogenous Fertilizers for Carnations.

It is reasonable to believe that any substance containing nitrogen may serve as a fertilizer to supply this element. This is undoubtedly true, provided its value is not overcome by the presence of other substances present with it, which exert a poisonous effect upon the plant. There have been fertilizers which were good examples of this trouble. For instance, the ammonium sulphate, put on the market some years ago, contained small amounts of ammonium thiocyanate, a sulphur compound, derived from the sulphur in coal in the process of coke making (ammonia is a by-product of this industry), which was exceedingly toxic to vegetation. Lime nitrate, also, some years ago, contained traces of perchlorates, which often caused the fertilizer to do more harm than good. By improved methods, the impurities are removed in the manufacture of these fertilizers today. The character of a nitrogenous fertilizer is determined (1) by the total amount of nitrogen present and (2) by the ease with which the form of nitrogen present is made soluble in soil water by the action of acids and salts in the soil of bacteria, and so capable of being used by the plant.

It has been experimentally determined that nitrate of soda and lime nitrate are entirely and immediately available for plant use. Somewhat more slowly available are sulphate of ammonia and calcium cyanid or lime nitrogen, as it is often called. Following these are a group of waste products, used as fertilizer, but of comparatively high grade, such as dried blood, cottonseed meal, ground fish and tankage (which varies quite widely). All of these substances named are of high nitrogen content and ready availability compared with such materials as hair, wool and leather waste, muck and peat. It may be safely said, that of materials of animal or vegetable origin, those which contain the highest content of nitrogen, contain also the largest percentage that would become fit for use by the plant during a single season. It usually pays then to use a high grade product in smaller amounts, rather than one with a small content. It necessarily follows that the more readily available a fertilizer is, the smaller the amount that may be used at a time and the more frequently it need be applied. Experiments at Illinois have shown no harmful effects from using nitrate of soda, dried blood or sulphate of ammonia in four applications, six weeks apart, at the rate of 2 lbs. per 100 sq. ft. of bench space each time. The following set of figures, giving the average number of flowers produced by 24 carnation plants during the seven winter months of three years' experimental work, illustrates the relative efficiency of dried blood and sulphate of ammonia:

Dried Blood—4 lbs. per 100 sq. ft., 354.7; 8 lbs. per 100 sq. ft., 368.8; 16 lbs. per 100 sq. ft., 372.3;

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Sulphate of ammonia—3 lbs. per 100 sq. ft., 360.4; 6 lbs. per 100 sq. ft., 361.6; 12 lbs. per 100 sq. ft., 374.8. The results are in very near agreement, showing that each is equally efficient.

Sulphate of ammonia is made by passing ammonia gas into sulphuric acid. When the ammonia is absorbed by the plant (or changed into nitrates by bacteria) the sulphuric acid remains. Consequently the litmus paper test for acids (described in my article of June 21) will show its presence after its use for a short time. Dried blood also produces acids upon its decomposition, the soil often reacting acid, while the air immediately above the bench is alkaline (probably from the ammonia given off). So if either of these be used, limestone or slaked lime should be generously supplied. Twenty lbs. (per 100 sq. ft. of bench space) of limestone or air-slaked lime, sprinkled on the surface is a satisfactory quantity.

F. W. MUNCIE.

Society of American Florists.

Space is being rapidly reserved in the trade section of the coming great convention at Minneapolis, Minn., August 19-23. The following is a list of firms who have reserved largely of space: F. R. Pierson Co., Tarrytown, N. Y.; Robert Craig Co., Philadelphia, Pa.; Raedlein Basket Co., Chicago; Ionia Pottery Co., Ionia, Mich.; W. W. Barnard Co., Chicago; S. S. Pennock-Meehan Co., Philadelphia, Pa.; Aphine Mfg. Co., Madison, N. J.; John C. Moninger Co., Chicago; John Lewis Childs, Floral Park, N. Y.; Quaker City Machine Works, Richmond, Ind.; J. A. Peterson & Sons, Cincinnati, O.; E. E. Stewart, Brooklyn, Mich.; H. G. Dreyer & Son, Cleveland, O.; A. A. Arnold, Chicago; H. F. Michell Co., Philadelphia, Pa.; Est. Lemuel Ball, Philadelphia, Pa.; Knight & Struck Co., New York; The Advance Co., Richmond, Ind.; Revere Rubber Co., Boston, Mass.; C. C. Pollworth Co., Milwaukee, Wis.; Vaughan's Seed Store, Chicago & New York; W. A. Manda, Orange, N. J.; H. A. Dreer, Philadelphia, Pa.; A. L. Randall Co., Chicago; Poehlmann Bros. Co., Chicago; Richard Vincent Jr., & Sons Co., Whitmarsh, Md.; A. Henderson & Co., Chicago; Jackson & Perkins Co., Newark, N. Y.; C. E. Critchell, Cincinnati, O.; Lord & Burnham Co., New York; Coldwell Lawn Mower Co., Newburgh, N. Y.; M. Rice & Co., Philadelphia, Pa.; Michigan Cut Flower Exchange, Detroit, Mich.; H. W. Koerner, Milwaukee, Wis.; E. L. Hedstrom & Co., Chicago; Hitchings & Co., New York; Perkins-King Co., Castner, Curran & Bullitt, Inc., Chicago; Storrs & Harrison Co., Painesville, O.; Chas. D. Ball, Philadelphia, Pa.

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Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6; 4-in., \$1.50 per doz. *Sprenger*, 3-in., \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

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Bulbs, *Lilium multidorum*, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

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Bulbs, cold storage *Giganteums*, 7-9-in., 8-9-in., and 9-10-in. Yokohama Nursery Co., Ltd., 51 Barclay St., New York.

Lilium Harrisii, 6-7-inch, \$6 per 100; \$50 per 1,000; 7-9-inch, \$9 per 100; \$80 per 1,000. Vaughan's Seed Store, Chicago and New York.

Bulbs, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

CANNAS.

Cannas, 3-in. pots, good sorts, \$3 per 100; \$25 per 1,000. King Humbert, \$5 per 100; \$40 per 1,000. R. Vincent, Jr., & Sons, White Marsh, Md.

Cannas. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.

Extra good stock in the following varieties:

	Per 100	Per 1,000
Enchantress	\$6.00	\$55.00
White Perfection	6.00	55.00
Bonfire	6.00	55.00
Victory	5.00	45.00
White Lawson	5.00	45.00
Winsor	5.00	45.00

WIETOR BROS.

162 N. Wabash Ave. Chicago.

Carnations, field-grown, The Herald, \$12 per 100; \$100 per 1,000. *Gloriosa*, \$8 per 100; \$75 per 1,000. *Pink Delight*, \$8 per 100; \$60 per 1,000. *White Wonder*, \$7 per 100; \$60 per 1,000. *White Enchantress*, *White Perfection*, *Enchantress*, *Rose Pink Enchantress*, *Washington*, *Victory*, *Scarlet Glow*, \$6 per 100; \$50 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

CARNATION PLANTS FOR SALE.—A nice stock of healthy field-grown carnation plants for sale, consisting of White and Pink Enchantress, White Perfection, Bonfire, etc. Grower going out of business reason for selling. Write for prices. D. E. Freres, 162 N. Wabash Ave., Room 21, Chicago, Ill.

Carnations, Beacon, Enchantress, White Perfection, fine field-grown stock, August delivery, \$6 per 100. C. C. Pollworth Co., Milwaukee.

Carnations, from 2-in. pots: *Rosette*, St. Nicholas, *Benora*, \$6 per 100. *White Perfection*, *White Enchantress*, *Scarlet Glow*, \$3 per 100. F. Dorner & Sons Co., Lafayette, Ind.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Dailledouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

Carnation Princess Dagmar, \$12 per 100; \$100 per 1,000. Patten & Co., Tewksbury, Mass.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Carnation The Herald, the new scarlet, Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, chrysanthemums. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnations. Wood Bros., Fishkill, N. Y.

Carnations. J. L. Dillon, Bloomsburg, Pa.

CHRYSANTHEMUMS.

POMPONS OUT OF 2½-INCH POTS.

	Per 100
Sonovia, early yellow.....	\$2.00
Baby Mum, yellow.....	2.00
Quinola, yellow.....	2.00
Klondyke, yellow.....	2.00
Lulu, white.....	2.00
Mrs. F. Beu, bronze.....	2.00

Cash with order or C. O. D.

JOS. SCHOOS,

519 Asbury Ave. Evanston, Ill.

CHRYSANTHEMUMS from 2½-in. pots.

	Per 100	Per 1,000
Shrimpton.....	\$2.50	\$20.00
Comeleta.....	3.50	30.00
Lynnwood Hall.....	3.00	25.00
Dr. Enguehard.....	3.00	25.00
Pacific Supreme.....	2.50	20.00
Halliday.....	2.50	20.00
Foc. Crimson.....	2.50	20.00
October Frost.....	2.50	20.00
Crocus.....	2.50	20.00

J. D. THOMPSON CARNATION CO.

JOLIET, ILL.

Chrysanthemums from 2½-inch pots at \$20 per 1,000 or \$2.50 per 100, cash; Dr. Enguehard, Robinson, Early Snow, Polly Rose, Diana, Bergman, Queen, Buckbee, Oct. Frost, also Chrysolora, at 3c. From sand or dirt, ready now; Oct. Frost, Touse, Bergman, Yanona, Enguehard, Donatello, Rosiere, White Bonafon, Robinson, Buckbee, \$2 per 100; \$15 per 1,000. Also fine stock of Chrysolora, 2½c. Joy Floral Co., Nashville, Tenn.

Chrysanthemums, the leading varieties, early and late. Write for list of varieties left, 2½-in., \$3 per 100. HENRY SMITH, Grand Rapids, Mich.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, rooted cuttings. Erie Floral Co., Erie, Pa.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

CROTONS.

Crotons, 3½ and 4-in., \$4 per doz. Vaughan's Seed Store, Chicago and New York.

CYCLAMEN.

Cyclamen, 3-in. pots, very finest strain, \$10 per 100. Julius Roehrs Co., Rutherford, N. J.

Cyclamen, strong 2½-inch, best colors, \$5 per 100. C. C. Pollworth Co., Milwaukee, Wis.

DAISIES.

VIGOROUS DAISY PLANTS.

IMMEDIATE SHIPMENT.

Alexandra, 2½-in.....	\$4.00 per 100
Mrs. Sander, 2½-in.....	4.00 per 100
Mrs. Sander, 3-in.....	6.00 per 100

WEILAND & RISCH.

154 N. Wabash Ave. Chicago.

Shasta daisies, 10,000 daily, selected, large flowers. 24 to 36-inch stems, \$4 per 1,000. Mexican tuberose, \$1.90 per 100 spikes. Alvin Jasmine & Floral Co., Alvin, Texas.

DRACAENAS.

Dracaenas, Linden and Massangeana, 6-in. pots, \$1.25 each; \$12 per doz.; 7-in., \$1.50 each; \$15 per doz. Vaughan's Seed Store, Chicago and New York.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmons, Newton, N. J.

FERNS.

Ferns, Elegantissima, 6-in., 50c each; 8-in., \$1 each. Harrisii form of Bostonensis, 8-in., \$1 each; specimens in 10-in. pots, \$3 to \$4 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 6-in., \$6 per doz.; 7-in., \$9 per doz.; 8-in., \$12 per doz.; Boston and Whitman, 3-in., \$8 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, Elegantissima, 6-in. pots, 50c each; 8-in., \$1. Harrisii form of Boston, 8-in., \$1 each; 10-in., \$3 and \$4. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Boston and Whitman ferns, 3-in., 10c; 4-in., 15c; 5-in., 25c. Geo. M. Emmons, Newton, N. J.

BOSTON FERNS, fine stocky plants, 6-in., \$7 per doz.; 8-in., \$12 per doz.; 9-in., \$15 per doz. C. C. Pollworth Co., Milwaukee, Wis.

Adiantum Croweanum, 3-in., \$10 per 100. Erie Floral Co., Erie, Pa.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus Pandurata, 6-in., \$3.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Rubbers. C. C. Pollworth Co., Milwaukee.

GARDENIAS.

Gardenia, Veitchii, 2½-in., \$7 per 100; \$60 per 1,000; 3-in., \$12 per 100; \$100 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

GERANIUMS.

Geraniums, 3½-inch Nutt, Grant and Lakeland, \$6.50 per 100; \$60 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Geraniums, 250,000, good 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, rooted cuttings, S. A. Nutt and Poitevine, \$10 per 1,000. Ricard, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmons, Newton, N. J.

Geraniums, for varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut-Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. Caldwell The Woodsman Co., Evergreen, Ala.

Huckleberry foliage, \$2 per case; fancy ferns, \$1.25 per 1,000; dagger ferns, \$1.10 per 1,000. E. A. Beaven, Evergreen, Ala.

HYDRANGEAS.

Hydrangeas, 6-in. and 7-in. pots, 50c and 75c each. Large plants in tubs, \$2 and \$3 each. Extra large specimens, in half barrels, \$5 and \$7.50 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangeas in pots and tubs, \$1.50 to \$3.50 each; large specimens, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

Hydrangeas, Otaksa, 3 and 4-in. stock at \$5 and \$10 per 100. HENRY SMITH, Grand Rapids, Mich.

IVIES.

Hardy English ivy, 3-in., \$4 per 100. Clematis paniculata, 2½ and 3-in., \$4 per 100. Nierembergia, 2-in., \$3 per 100. Cobae scandens, 3-in., \$3 per 100. Samuel V. Smith, 3323 Goodman St., Philadelphia.

English ivy, 4 ft., 4-in. pots, \$15 per 100; 4½-in., \$20. Bobbink & Atkins, Rutherford, N. J.

English ivy, grown in 3½ and 4-in. pots, \$10 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

English ivy, 4-in. pots, heavy, \$12 to \$14 per 100. Charles Lenker, Freeport, L. I., N. Y.

JERUSALEM CHERRIES.

Cherries, Fra Diavola, 2½-in., \$3 per 100. Jerusalem cherries for field planting, 2½-in., \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

LAUREL.

Laurus cerasus bush, 35c to \$1 each; standards, \$7.50 to \$10 each; pyramids, \$5 to \$7.50 each. Julius Roehrs Co., Rutherford, N. J.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany. Apply to Otto Heineken, 17 Battery Pl., New York.

Lily of the valley, pips, Berlin and Hamburg, \$32 per case of 3,000. J. M. Thorburn & Co., 53 Barclay St., New York.

From Storage.

Lily of the valley, cold storage, \$18 per 1,000; \$9.50 per 500; \$5 per 250. H. N. Bruns, 3032-42 W. Madison St., Chicago.

MOSS.

Moss, surplus of 12 barrel bale New Jersey moss, delivered anywhere in Chicago, \$5 per bale, 2 or more bales, \$4.75 bale. Kiehm's Nurseries, Arlington Heights, Ill.

Sphagnum Moss, Fancy Cut Ferns. Get our prices before you place your orders. H. Allen & Co., Tomahawk, Wisconsin.

Sphagnum moss, full size bales, clean stock, new burlaps. Vaughan's Seed Store, Chicago.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, evergreens, shrubs, vines, trees, roses and herbaceous perennials. The New England Nurseries Co., Bedford, Mass.

Evergreen hedges and hardy phlox. Adolf Mullett, Norristown, Pa.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PALMS.

Palms, Kentia Forsteriana, 4½ to 5-in., 20 to 25 ins. high, 35c to 50c; 5½-in., 60c to 75c; 6 to 7-in., pots, 30 to 40 ins. high, \$1 to \$2; 7-in., made-up, 1 large in center, 3 smaller plants around it, \$2.50 to \$3. Belmoreana, 4½-in., 25c to 35c; 5½ to 6-in. pots, 60c to \$1. Made-up, 3 plants in pot, 6-in., 75c to \$1.50 each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Palms, Kentias Belmoreana and Fosteriana, 4-in. to 10-in., \$4.50 per doz. to \$15 each. Cocos Weddelliana, 2½-in., \$15 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Phoenix Canariensis, fine large plants, \$7.50 to \$35 each. Julius Roehrs Co., Rutherford, N. J.

Palms of all kinds. The Geo. Wittbold Co., 737 Buckingham Pl., Chicago.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms. C. C. Pollworth Co., Milwaukee, Wis.

PANDANUS.

Pandanus Veitchii, 5-in., \$1; 6-in., \$1.50; 7-in., \$2; 8-in., \$2.50; 8-in. tubs, \$3. Vaughan's Seed Store, Chicago and New York.

Pandanus Veitchii, 6-in., \$1 to \$1.50 each; 7-in., \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

PANSIES.

Pansies, Romeo Prize Winners, bud and bloom, \$1.25 per 100; \$10 per 1,000. C. Humfeld, Clay Center, Kan.

PEONIES.

The Largest Rose Growers in the World. Box 18. Springfield, Ohio.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

PEONIES.

"PEONIES FOR PLEASURE."

This book of "Peonies for Pleasure," gives information on peony history, soil and plants to use; how and when to plant; fertilizers and how to apply; and describes the most extensive planting of really valuable peonies ever gathered together under the sun; describes the old and new as well as plebeian and aristocrat of the peony family. If you want information on the plant that stands next to the rose in beauty, that is practically known to the amateurs simply as a red, white and pink peony, then send for "Peonies for Pleasure." We also issue a special wholesale price list of peonies for fall sales, 1913. Send for both of the booklets. Our catalog of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

PEONIES 4c TO 8c PER STEM.

We have a surplus of peonies and we are determined to move them. Choice sorts such as Delicatissima, Festiva Maxima, Floral Treasure, Livingstone, Richardson's Dorchester, etc., at 8c per stem. Standard sorts at 6c. Terry's seedlings, mixed single and double, 4c. Not less than ten stems of a kind at these prices. We can furnish any size clumps wanted. We grow all our own peonies and guarantee them true to name. Write for complete list of over 300 varieties. HENRY FIELD SEED CO., Shenandoah, Iowa.

FRENCH PEONIES. Write for my new descriptive catalogue which will be issued July 25. DESSERT, Peony Specialist, Chenonceaux, France.

PEPPERS.

Christmas peppers, New Cluster, branching new Cluster, Celestial peppers and Solanum Melvini, 2½-in. pots, \$3 per 100; \$25 per 1,000, 500 or more at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

Cluster peppers, 2½-in., \$3 per 100. Celestial peppers, 2½-in., \$3 per 100; \$25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Celestial peppers and Solanum, 3-in., \$5 per 100. HENRY SMITH, Grand Rapids, Mich.

PRIMULAS.

Primula obconica, 4-in., \$5 per 100; \$45 per 1,000; 2½-in., \$1.50 per 100; \$14 per 1,000. Malacoides, giant baby primrose, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Primroses, Chinese, Obconica alba and rosea, \$2 per 100. Forbesi and Malacoides, \$2. Obconica gigantea, \$3. Jos. H. Cunningham, Delaware, O.

Primula obconica grandiflora, 2½-in., \$3.50 per 100; \$30 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Primrose, obconica and Chinese, 2½-in., \$3 per 100; \$25 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Primula malacoides (Giant Baby), 2½-in., \$3 per 100. HENRY SMITH, Grand Rapids, Mich.

POINSETTIAS.

"COLORADO GROWN PLANTS BEAT THEM ALL."

POINSETTIAS, true type; strong 2-in., all guaranteed extra fine stock, \$5 per 100. ELITCH-LONG GREENHOUSES, Denver, Colo.

Poinsettias, \$7 per 100; \$60 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Poinsettias, 2½-in. at \$5 per 100. HENRY SMITH, Grand Rapids, Mich.

Poinsettias, 2½-in., \$5 per 100. Erie Floral Co., Erie, Pa.

ROSES.

CHOICE ROSE PLANTS.

	Per	Per
Fine 2½-in. stock.	100	1,000
Richmond	\$3.50	\$30.00
Pink Killarney	4.50	40.00

WIETOR BROS.

162 North Wabash Ave. Chicago.
Roses, Milady and Mrs. Geo. Sawyer, grafted, \$30 per 100; \$250 per 1,000. Mrs. Chas. Russell, grafted, \$35 per 100; \$300 per 1,000. Mrs. Taft, Mrs. Aaron Ward, Richmond, Killarney, White Killarney, Lady Hillingdon, Radiance, Bon Silene, Bride, Golden Gate, grafted, \$15 per 100; \$120 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

ROSE PLANTS.

	100	1,000
Pink Killarney, 2½-in.	\$4.00	\$35.00
Pink Killarney, 3-in.	5.00	45.00
Chatenay, 3-in.	4.00	35.00
Ivory, 3-in.	4.00	35.00

UNITED STATES CUT FLOWER CO.

ELMIRA, N. Y.

Roses. J. L. Dillon, Bloomsburg, Pa.

Roses, good, clean stock, 3½-in. pots. Pink and White Killarney, Kaiserin, \$6 per 100; \$50 per 1,000. Killarney Queen, \$12 per 100. P. R. Quinlan, Syracuse, N. Y.

Rose plants, own root, all first-class stock, Richmond, 2-inch at 4c; 3-inch at 6c. Pink Killarney, 3-inch at 4c. White Killarney, 3-inch at 6c. American Beauties, 3-inch at 10c. The Park Floral Co., Denver, Colo.

Roses, White Killarney, Pink Killarney, Richmond, Lady Hillingdon, Killarney Queen. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Roses, grafted, White and Pink Killarney, 3½-in., \$10 per 100. 2,000 Beauties, own root, 3½-in. pots, \$10 per 100. Bassett & Washburn, Hinsdale, Ill.

Roses, Pink Killarney, 2½-in. pots, \$30 per 1,000. Pink Killarney, 3-in., \$45 per 1,000. Fine stock. L. B. CODDINGTON, Murray Hill, N. J.

1,250 surplus Richmond plants, 3-in., \$35 per 1,000. Surplus Smilax, 3-in., \$25 per 1,000. Fine plants. L. B. Coddington, Murray Hill, N. J.

Roses, 3-in.: 900 Richmond, 300 Carnot, \$6 per 100. 2½-in.: 50 Carnot, \$5 per 100. 1,000 Hillingdon, \$6 per 100. Erie Floral Co., West 26th St., Erie, Pa.

Roses, My Maryland and Richmond, strong plants at \$6 per 100; 3-in. stock, Brides and Maids, 4-in. at \$7 per 100. HENRY SMITH, Grand Rapids, Mich.

Roses. For varieties and prices, see advertisement elsewhere in this issue. Chas. H. Totty, Madison, N. J.

Crimson Ramblers, 5 and 6-inch pots, 3-foot canes, \$25 per 100. Charles Lenker, Freeport, L. I., N. Y.

SALVIAS.

Salvia, Schenley, Ball of Fire, Bonfire, King of the Carpets, Splendens, Zurich, 2½-in., \$2.50 per 100; \$20 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Salvia Splendens and Bonfire, 60c per 100; \$5 per 1,000. Dracena indivisa, 2-in., \$2 per 100. Geraniums, 2-in., \$1.85 per 100. Cobaea Scandens, 2-in., \$3 per 100. Marguerite, Mrs. F. Sander, 2-in., \$2 per 100. Double Alyssum, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

SEEDS.

Asparagus plumosus nanus seed—To close out large, late matured crop. Under 25,000 at \$1.25 per 1,000; over 25,000 at \$1 per 1,000. First-class in every respect. Drake Point Greenhouses, Yalaha, Fla.

Seed, Vick's Giant pansy seed, ¼ oz., 75c; ½ oz., \$1.35; oz., \$5. All varieties of flower seeds. Jas. Vick's Sons, Rochester, N. Y.

Seeds, superb quality seeds for florists. The Storrs & Harrison Co., Painesville, O.

Pansy seed. Jos. H. Cunningham, Delaware, O.

Seeds, new crop turnip now ready. Robert Buist Company, Philadelphia, Pa.

SMILAX.

Smilax, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$5.50 per 100; \$50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$2 per 100; \$17.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Smilax, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, strong 3-in. at \$3 per 100. HENRY SMITH, Grand Rapids, Mich.

UMBRELLA PLANTS.

Umbrella plants, ready to shift, 2½-inch, \$3 per 100. Poehlmann Bros. Co., Plant Department, Morton Grove, Ill.

VERBENAS.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca Var., 2-in., \$2 per 100; \$18 per 1,000; 3-in., \$5 per 100. C. Humfeld, Clay Center, Kans.

Vinca Variegata, 4-in. pots, \$12 per 100. Charles Lenker, Freeport, L. I., N. Y.

Vinca var., fine strong 4-in., 12c. J. W. Nielson, 304 E. 47th St., Chicago.

STOCK WANTED.

WANTED—For early fall planting, nine thousand strong three or four-year-old CALIFORNIA PRIVET. Quote lowest price F. O. B. Philadelphia. JOSEPH HURLEY, Haverford, Pa.

WANTED—Rose Plants, 1,500 Kaiserin, 1,500 My Maryland, 500 Perle; growing stock for benches, either 2½ or 3½-inch. Vaughan's Greenhouses, Western Springs, Ill.

BUILDING MATERIAL.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Scibilo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, cypress sash bars up to 32 ft. or longer. Greenhouse and other building material. The A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress, semi-iron or truss houses. Hotbed sash and frames. Lord & Burnham Co., 42nd St. Bldg., New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse supplies of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, New York.

CARNATION STAPLES.

SUPERIOR CARNATION STAPLES.

Mend your split carnations. Finest article for carnation growers introduced so far, 50c for 1,000, postage paid.

MICHIGAN CUT-FLOWER EXCHANGE.
38-40 Broadway. Detroit, Mich.

Self-tying carnation supports and hose stakes. The Carnation Support Co., Connerville, Ind.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

GLASS, PUTTY, ETC.

Greenhouse glass, Hooker's Old English Liquid Putty. Greenhouse white paint. H. M. Hooker Co., 651-59 W. Washington Blvd., Chicago.

Glass, large stock, good prices. Sharp, Partridge & Co., Chicago.

Greenhouse glass, paint and putty. The Dwell-Kaiser Co., 338-42 Ellicott St., Buffalo, N. Y.

Greenhouse glass. Superior quality and right prices. Baur Window Glass Co., Eaton, Ind.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

MISCELLANEOUS.

Lemon Oil Co.'s Standard Insecticide, ¼ pt., 25c; pt., 40c; qt., 75c; ½ gal., \$1.25; gal., \$2; 5 gals., \$9; 10 gals., \$17.50. Lemon Oil Co., Dept. T, 420 W. Lexington St., Baltimore, Md.

Clay's Fertilizer. Supplied by the leading nursery and seed firms. Manufactured by Clay & Son, Stratford, London, Eng.

Nic. Krier's New Greenhouse Boller, self-feeding, smoke burner, hot water boilers. Nic. Krier Boller Works, 2725-27 N. Marshall Ave., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

You need mighty good hose to stand the dragging and tramping of greenhouse use

Here are two brands of hose that are especially fitted for florists' use. Save money and get more satisfactory service by buying

And
here
it is

Goodrich Hose

Akron Brand

Braided fabric, non-kink construction, in lengths up to 500 feet. Excellent grade of rubber is used in the tube, cover and friction, and particular attention is paid to grade, weight and mesh of the cotton fabric.

Florist Brand

Wrapped duck construction. Practically in a class by itself, with its extra heavy cover, strong duck and superior friction. It is a popular hose and as its name indicates, particularly adapted for the use of florists.

We will gladly send you sample of either or both of these brands of hose with full particulars

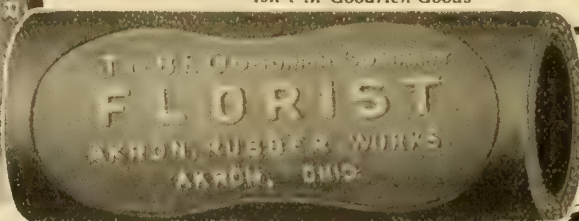
The B. F. Goodrich Co.

Makers of Goodrich Tires, and Everything That's Best in Rubber.

Factories: Akron, Ohio

Branches in all principal cities

There is nothing in Goodrich Advertising that isn't in Goodrich Goods



Flower baskets, jardinières, hanging baskets, porch willow boxes, vases, novelties, etc. Aug. Storz, Burlington, Iowa.

Raffia, imported by us direct from Madagascar. Vaughan's Seed Store, Chicago and New York.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

"Elastic-Lyke," that good putty (semi-liquid). The Elastic-Lyke Co., (not inc.) 30 E. Randolph St., Chicago.

Threads, all kinds (Green Silkline). John C. Meyer Thread Co., Lowell, Mass.

Florists' supplies of all kinds. Percy Jones, 56 E. Randolph St., Chicago.

Supplies of all kinds. H. Bayeradorfer & Co., 1129 Arch St., Philadelphia.

Mastica for greenhouse glazing. F. O. Pierce Co., 12 W. Broadway, New York.

Fertilene. Elmer D. Smith & Co., Adrian, Mich.

POTS AND PANS.

Florists' red pots, all sizes, moss aztec ware, fern pans, vases, etc. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Neponset, flower, vegetable waterproof paper pots. Vaughan's Seed Store, Chicago and New York.

Pots, Hews' standard. A. H. Hews & Co., Cambridge, Mass.

Syracuse red pots. Syracuse Pottery Co., Syracuse, N. Y.

Standard flower pots and bulb pans. Hilfinger Bros. Pottery, Fort Edwards, N. Y.

Standard red pots, bulb pans, azalea pots. Detroit Flower Pot Mfg., Detroit, Mich.

Red pots. Geo. Keller & Son, 2614-22 Herndon St., Chicago.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

Standard pots. L. Hrudka Pottery Co., 2610 Herndon St., Chicago.

Kramer's pot hangers, \$1 per doz. by express. R. N. Kramer & Son, Cedar Rapids, Iowa.

Red pots, standard, azalea pans. Harley Pottery Co., Nashville, Tenn.

The best pots. The Mt. Gilead Pottery Co., Mt. Gilead, Ohio.

PRINTING.

Special Florists' Printing. Sample free. Oscar Fink, Pottstown, Pa.

STAKES.

Cane stakes, standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

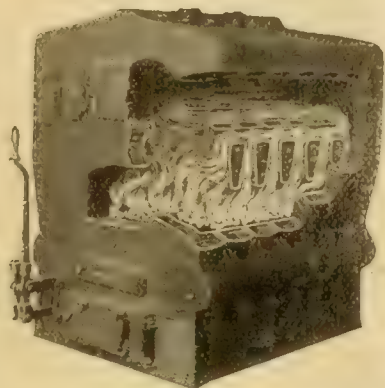
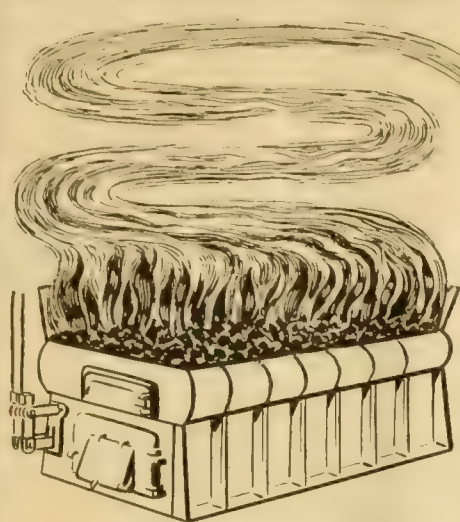
Cane Sticks, 4 to 6 ft. long, 40c per 100; \$3 per 1,000; 6 to 9 ft. long, 60c per 100; \$5 per 1,000. Geo. H. Angermueller, 1324 Pine St., St. Louis, Mo.

WHOLESALE CUT FLOWERS.

Amling Co., E. C., Chicago.
Angermueller, Geo. H., St. Louis, Mo.
Bassett & Washburn, Chicago.
Batavia Greenhouse Co., Chicago.
Berger Bros., Philadelphia, Pa.
Berning, H. G., St. Louis, Mo.

Budlong, J. A., Chicago.
Chicago Carnation Co., Chicago.
Chicago Flower Growers' Assn., Chicago.
Critchell, C. E., Cincinnati, O.
Deamud Co., J. B., Chicago.
Froment, H. E., New York.
Guttman Flower Growers' Co., New York.
Hoerber Bros., Chicago.
Hoffmeister Floral Co., Cincinnati, O.
Holton & Hunkel Co., Milwaukee, Wis.
Kasting Co., Wm. F., Buffalo, N. Y.
Kennicott Bros. Co., Chicago.
Kessler, Wm. A., New York.
Kruchten, John, Chicago.
Kuehn, O. A., St. Louis, Mo.
Kyle & Foerster, Chicago.
McCallum Co., Pittsburg, Pa., and Cleveland, O.
McCullough's Sons Co., J. M., Cincinnati, O.
McKellar, Chas. W., Chicago.
Meconl, Paul, New York.
Moore, Hentz & Nash, New York.
N. Y. Cut Flower Exchange, New York.
Niessen Co., The Leo, Philadelphia, Pa.
Ostertag Bros., St. Louis.
Randall Co., A. L., Chicago.
Reinberg, Geo., Chicago.
Reinberg, Peter, Chicago.
Rice Bros., Minneapolis, Minn.
Rusch & Co., Gust., Milwaukee, Wis.
Pennock-Meehan Co., S. S., Philadelphia, Pa.
Percy Jones, Chicago.
Poehlmann Bros. Co., Chicago.
Pollworth Co., C. C., Milwaukee, Wis.
Reid, Edward, Philadelphia, Pa.
Siebrecht, Geo., Co., New York.
Smith, Wm. C., St. Louis, Mo.
Thompson Carnation Co., J. D., Joliet, Ill.
Totty, Chas. H., Madison, N. J.
Welland & Risch, Chicago.
Wieter Bros., Chicago.

If You Do Not Find What You Need In Our Ready Reference Department, Write Us About It.



LONG FIRE TRAVEL MAKES A SHORT COAL BILL

<i>John Doe</i>		RYE, N.Y.	
BOUGHT OF E.W. SMITH			
3	Tons coal	11	00
<i>Paid E.W. Smith</i>			

MAKES it short, because on its long travel, the water surrounded flue ways, grab the heat instead of its going up chimney.

The Burnham cast iron greenhouse boiler has a three times back and forth travel—the longest in any greenhouse boiler.

This time—buy a Burnham.

Lord & Burnham Co.

New York
42nd St. Bldg.
Chicago
Rookery Bldg.

SALES OFFICES:

Boston
Tremont Bldg.
Rochester
Granite Bldg.

Philadelphia
Franklin Bank Bldg.
Toronto
12 Queen St. E.

FACTORIES:

Irvington, N. Y.
Des Plaines, Ill.

The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

The Glass Market.

The glass market is very firm and the prices are not likely to decline any during the remainder of the season for it is well known that the factories are nearly all sold out and it is impossible to import any for the prices abroad are as high as they are in America at present and already have a tendency to advance. Several of the dealers, and these include all the glass firms which advertise in THE AMERICAN FLORIST, are fortunate in having a good supply in stock, otherwise they would have to cancel many orders. The growers throughout the country evidently realize that the market will be firm for the balance of the year, for they are now placing their orders and the inquiries during the past few weeks, according to a large dealer, have been more numerous than at any other time during the past six months.

JUST AS USEFUL AS THE SUN IN SPRINGTIME IS THIS "RED DEVIL" BUTTON PLIER to the Greenhouseman.



It's No. 1000 8-inch drop forged tool steel. Has four cutters: cuts and holds the wire after it is cut. For fences, wire tying, bending, or stretching, or all-around plier purposes "RED DEVIL" button pliers have no equal. Your hardware store sells them as well as "RED DEVIL" glass cutters. Ask for and insist on "RED DEVIL" No. 1000 plier. If not on sale, send us 50c., and one only sample pair will be sent you postpaid.

SMITH & HEMENWAY, 105 Chambers Street, New York, N. Y.

King Houses for Morgan.

The King Construction Company of North Tonawanda, N. Y., has received an order from J. P. Morgan, Jr., son of the famous financier and now head of J. P. Morgan & Co., for the erection complete of an extensive range of glass houses at his country place at Glen Cove, L. I. The range comprises houses for peaches and nectarines, vegetables, violets, bouvardias, carnations, melons and general plants. The houses will be King channel bar with curved glass eaves, a construction which is prac-

"ELASTIC-LYKE"

THAT GOOD PUTTY

(Semi-Liquid). Positively will not get hard; will not run in hot weather; will not heave in cold weather. Write for prices.

The Elastic-Lyke Co.,

(Not Inc.)

30 E. Randolph St.,

CHICAGO

Mention the American Florist when writing

THE CARNATION SUPPORT CO.

Manufacturers of

Self-tying Carnation Supports and Rose Stakes

Write for Price List B.

CONNERSVILLE, IND.

tically all iron and glass. To obtain the greatest possible durability, all the lower parts of the houses, including the heating pipes, are to be of cast iron. The steel work used for supporting the glass is to be zinc plated. What little wood is used will be air-dried California redwood. There was keen competition among the leading greenhouse builders for this work, and the King Construction Company is receiving congratulations for its success in landing the prize.

Chicago Notes.

The Superior Machine and Boiler Works, 846-848 West Superior street, report an unusually busy season and have already delivered several greenhouse boilers to growers in their vicinity. This firm is now making concrete post molds for greenhouse benches and the proprietors state that three men who used their molds made 337 posts in six hours.

Kroeschell Bros. Co. report that the boiler season still continues to be very brisk and among the many orders that it has booked are a No. 16 Kroeschell boiler for Peter Fornof of South Columbus, O., and a No. 9 Kroeschell boiler for the new range of the Ft. Wayne Park Department of Ft. Wayne, Ind., and a No. 8 for the Monticello Floral Co. of Monticello, Ind.

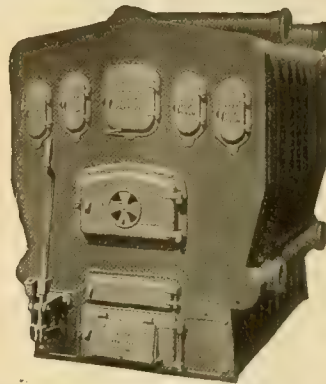
The Nic. Krier Boiler Works, 2725-2727 North Marshfield avenue has just sold Mike Reding of Evanston, one of their new style self-feeding, smoke burner, hot water boilers. N. K. Welter, another Evanston grower, was one of the first ones to buy one of these boilers and it is now being installed in his carnation range.

The John C. Moninger Co. broke all its records for sales on July 7, when it booked 16 orders on that day for as many new ranges. This firm has been obliged to make several changes in its office due to increasing business which consisted of enlarging its office room and employing two more stenographers.

LINCOLN, NEB.—J. K. Hiltner has taken out a permit to build a new greenhouse.

PITTSBURGH, PA.—Robert Walthers has purchased from the J. Kennedy Irwin estate, the Woodville Floral Company's holdings at Woodville, Pa., consisting of three acres, nine large greenhouses and a large frame dwelling; consideration, \$15,000. Mr. Walthers will make some improvements.

PITTSBURGH, PA.—The former H. L. Blind & Bros. greenhouses and floral conservatory at 5424 Center avenue, which for two years have been without a tenant, have been leased for a term of years to the Colonial Floral Company, for Phillip Goettman, of the Diamond Produce Co. Charles C. Wesley, manager of the Colonial Floral Co., took immediate possession. These greenhouses are among the finest in the city, costing about \$50,000.



Boiled Down Boiler Facts.

IN spite of the fact that we are one of the largest makers of cast iron greenhouse boilers, we are not so narrow-minded, we can't see that wrought iron boilers have their merits and their uses.

But for the uses that our cast iron boiler is intended, we do know there's not a boiler made that can beat it.

Cast iron boilers have many undebatable advantages—such as easy erection, Easy enlarging, Easy to care for, Easy on coal, Easy on the pocket-book for repairs, because they are slow to rust and require no retubing.

The fact that we were absolutely the first concern in the country to make a special business of greenhouse heating, (that was

along in the seventies) is a pretty strong guarantee that any boiler we sell for greenhouses is the best of boilers for the purpose. Hitchens' boiler is a full blooded greenhouse boiler; not a mongrel residence and greenhouse boiler combined. Being economical for greenhouse heating; it is doubly so for residence work.

Our Full Bloods will heat from 300 to 18000 square feet of glass.

Peter Henderson last Fall put in three of them in preference to one of the big tubular kind.

Now is the time to talk heating with us. Be ready before Jack Frost gets ready. He does not put his work off.

Hitchens and Company

New York Office,
1170 Broadway.

Philadelphia Office,
Penna Bldg., 15th & Chestnut Sts.
Factory, Elizabeth, N. J.

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.
L.D. Phones: Lincoln 410 and 411

Wichita, Kans.

HOT, DRY WEATHER.

The month of June was about normal as to quantity of business, but in weather and crop conditions it was very unsatisfactory, and these conditions still exist. Extreme hot weather and a deficient rainfall, following a dry spring season, has hurt much of

4-Inch BOILER TUBES

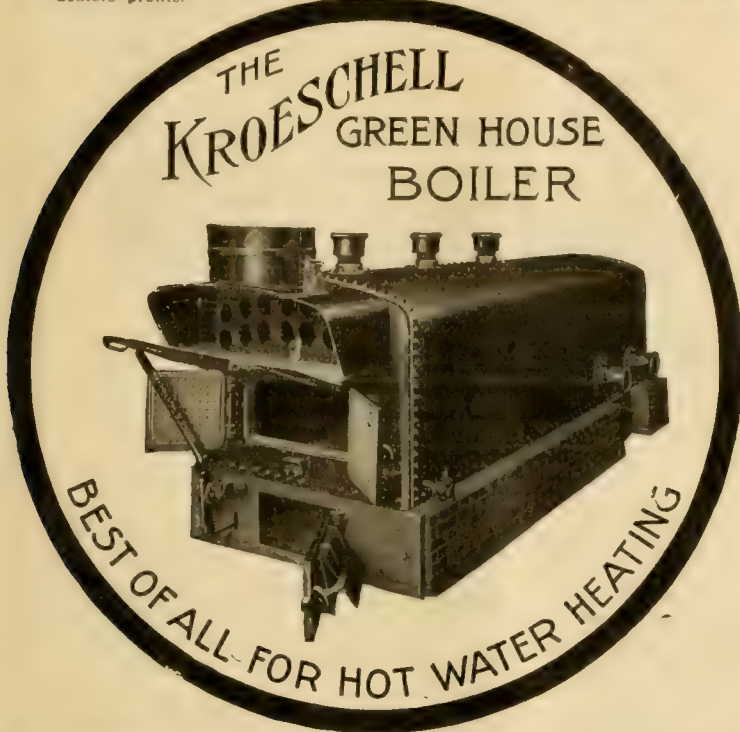
6 3/4 cents per foot.

New and S. H. Pipe, All Sizes.
Tell Us Your Wants.

ILLINOIS PIPE & MFG. CO.,
2117 S. Jefferson Street CHICAGO, ILL.

WHICH DO YOU WANT?

Cast Iron Boilers FOOL Economy (false ratings, fuel waste, danger of breakdowns, dealers' profits). OR
Kroeschell Boilers FUEL Economy (honest ratings, safety, quick heat, no boiler pits, no dealers' profits).



Kroeschell Bros. Co., 452 W. Erie St.,
CHICAGO, ILL.

What the Users Say About KROESCHELL BOILERS

Kroeschell Better than Cast Iron

"I bought a No. 6 Boiler in 1903. It has now 10,000 sq. ft. of glass, and we could add 3300 more. This is ahead of five or six cast iron boilers which I have used. I saved \$50 per season on the coal bill."
 M. C. WARD, Quincy, Mass.

Kroeschell vs. Cast Iron

"I have one of your new 1910 model Kroeschell Boilers, and same has proven very satisfactory. We have no trouble to keep temperatures in the coldest weather. We fire once or twice during the day and once at night, and have had the best satisfaction I have ever experienced in a boiler. Formerly I had two cast iron boilers; one cracked and I took both of these boilers out. My coal bill with the cast iron boilers ran from \$195 to \$207 per season during the past seven years. This year, with your boiler and soft coal, my coal bill was only \$103, and I still have some coal left. Your boiler is the best and cheapest on the market, not alone for the price, but also in fuel saving. I am very glad that you are so well known in Buffalo, N. Y. I have never heard anything but praise, in which I join heartily. Wishing you every success, I remain,
 MAX BUEHLER, Forks, N. Y.

Cost of Heating One-Half Less Than With Cast Iron Boilers

"I bought a No. 3 Boiler in 1901. We had a corrugated cast iron fire box boiler and a sectional cast iron boiler before we bought yours in 1901. The cost of the heating with your boiler is one-half less than it was with my cast iron boilers. Your No. 8 Boiler, which we bought recently of you, is not being run to its capacity."

WM. GEENEN, Kimberly, Wis.
 Has enlarged place and installed another No. 6 Kroeschell.

Kroeschell Boiler Durable.

Have 20,000 sq. ft. of glass. Can keep 60° in coldest weather. Have one boiler 15 years, only expense, one set of flues. Kroeschell Boiler is so satisfactory that I do not care to try any other.

JACOB PHILLIPS, Rogers Park, Chicago.

the stock growing out-doors. Hot, dry, windy days produce conditions that are almost past the power of artificial watering to surmount. Carnations in the field are looking fair, even under these conditions. Sweet peas are about all in. Asters and gladioli are having a fight for it, the hot, dry winds preventing proper development of the flowers, even if plenty of water is supplied to the soil.

NOTES.

A Fourth of July window in the store of W. H. Culp & Co. attracted considerable attention. It was executed by Ralph Culp and showed the usual Fourth of July private picnic, with lunch baskets, children and fire-crackers. Also the usual man in a hammock, with a newspaper over his face, trying to get a nap, and a small boy in the act of lighting a large cracker on the ground beneath. The window showed careful attention to detail and was very natural.

A handsome new touring car provides C. P. Mueller with transportation to and from his store and himself and family with means for many pleasant hours of recreation. W. H. Culp has also acquired the auto habit and is not always as easy to reach by phone of evenings as formerly. Both Mr. Mueller and Mr. Culp have used auto delivery for some months past and consider it a necessity in a city under modern conditions.

"Sprinkle-proof Sam" Seligman was a recent visitor. He still wears the smile that won't come off.

Monahan, representing L. Baumann & Co., Chicago, called on the trade last week.

Brackenbury of C. P. Mueller's store visited in Kansas City during his vacation.
 W. H. C.

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED
IRON CUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,
S.W. Corner Sixth and Berk Streets, PHILADELPHIA.

VENTILATING
APPARATUS

Put Heating Problem Up To
Rob't. Ross Jones,
Harrisburg, Pa.

STEAM OR HOT WATER
HEATING SPECIALIST.

WRITE NOW.

SIEBERT'S ZINC

Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{8}$ and $\frac{1}{2}$, 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade

RANDOLPH & McCLEMENTS, Florists.

5936 Penn Ave., near Highland, Pittsburgh, P

Dreer's Peerless Glazing Points

For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No. 2

**VAUGHAN'S
PERFECTION**
SIZE 2 1/2
POINT

No. 2. Large single thick glass.
No. 2 1/2. Double thick.
Price, per 1000, 55c; by mail, 70c; 5,000, by express, \$2.50.
VAUGHAN'S SEED STORE
Chicago. New York

BOOKS FOR FLORISTS

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. \$1.50.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. \$3.50.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated. 250 pages. \$1.00.

MANUAL OF THE TREES OF NORTH AMERICA (Sargent).—The most complete and authentic work on the subject. The pages number 826, with over 600 illustrations. \$6.00.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. \$1.25.

HOW TO MAKE MONEY GROWING VIOLETS (Saltford).—This is by a practical grower who has made a success of the business. No grower of violets can afford to be without it. 25 cents.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 50 cents.

THE VEGETABLE GARDEN (Vilmorin-Andrieux).—The best and most complete book on vegetables ever published. There are 782 pages and hundreds of illustrations in this English edition, edited by Wm. Robinson, the noted English horticultural writer. \$6.00.

THE GOLDFISH (Mulerdt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. \$2.00.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. \$1.50.

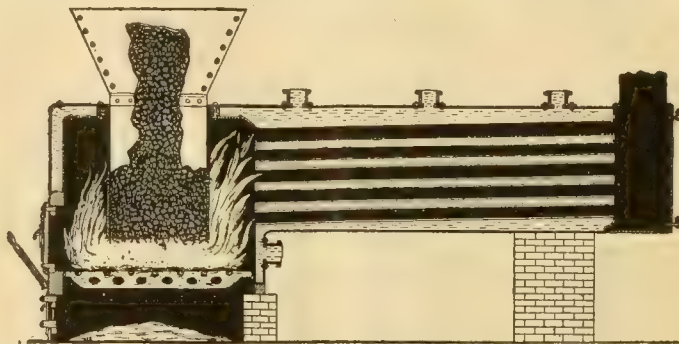
THE BOOK OF WATER GARDENING (Bisset).—A most complete and excellent work on this fascinating subject. It is written by a thoroughly competent cultivator and is up-to-date in every particular. It contains 200 pages and 139 fine illustrations and is equally useful to the amateur and professional. \$2.50.

The American Florist Co.

440 S. Dearborn St. Chicago.

Nic. Krier's New Greenhouse Boiler

New Style Self-Feeding, Smoke Burner, Hot Water Boilers



(Pat. Pending.)

THE BIGGEST MONEY SAVER THERE IS FOR THE GROWER

You can burn the cheapest grade of soft coal and burn all the smoke. This Boiler heats quicker than all others. You always have a steady heat. The magazine always works perfectly. Your coal always comes down and you save 25% to 35% on your coal bill. The magazine on the top of the self-feeding boiler only has to be filled once every 24 hours. Fire-doors can be kept closed all night. The night fireman has only six minutes of actual work to do and that is to shake the grates three times a night and this holds good even in the coldest of weather, far below zero. This boiler was used and tested for three months in extreme cold weather and found to be perfect in every respect. You should have one; the price is very reasonable.

The Fire Box Self-Feeding Smoke Burner Hot Water Boilers heat quicker than the Fire-box return tube boilers. The fire goes to the top and bottom tubes at the same time, heats the water quicker and gives you a steady heat. The coal comes down always the same and burns the smoke. We build these boilers in 12 sizes to heat from 4,000 sq. ft. to 30,000 sq. ft. of glass. These boilers are also made of the best fire-box and flange steel and charcoal iron tubes. Write for further particulars.

Nic. Krier Boiler Works,

Office and Shop: 2725-2727 N. Marshfield Ave., Chicago, Ill.

FLORIAN D. WALLACE



Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER N. J.

Mention the American Florist when writing

Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

Mention the American Florist when writing

The Regan Printing House

LARGE RUNS OF
CATALOGUES

OUR SPECIALTY
WRITE FOR PRICES.

527 Plymouth Place,

CHICAGO

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

REED & KELLER,

122 W. 25th St., NEW YORK.
FLORISTS' SUPPLIES

We manufacture all our

Metal Designs, Baskets, Wire Work, and Novelities, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

Mention the American Florist when writing



Split Carnations
Easily Mended with
Pillsbury Carnation Staple

We find it very satisfactory.
J. L. DILLON.
Can't get along without them.
J. L. JOHNSON.
2000 for \$1.00 postpaid.

I. L. PILLSBURY
Galesburg, Ill.

Mention the American Florist when writing

Aphine

*The Insecticide that
kills plant Lice
of every species*

The Recognized Standard Insecticide.

For green, black, white fly, red spider, thrips, mealy bug and scale.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

For mildew, rust and bench fungi. Does not stain but cleanses the foliage.

75c per Quart. \$2.00 per Gallon.

VERMINE

For sterilizing soil and all soil vermin.

\$1.00 per Quart. \$3.00 per Gallon.

SCALINE

For scale and all sap sucking insects on trees and nursery stock. Can be used in growing season as safely as in dormant season.

75c per Qt. \$1.50 per Gal. 10 Gals. \$10.

Nikotiana

Twelve percent Nicotine
SPRAY AND FUMIGANT

\$1.25 per Quart. \$4.00 per Gallon.

*All our products are used diluted with water at various strengths as directed on cans.

FOR SALE BY SEEDSMEN

Let us quote you our prices to commercial growers in quantity.

Aphine Manufacturing Co.
Manufacturers of Agricultural Chemicals.
Madison, N. J.
M. C. Ebel, General Manager.

GREENHOUSES

MATERIAL FURNISHED
AND
MEN TO SUPERINTEND
ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FEET OR LONGER.

THE J. L. STORMS LUMBER CO.,
NEWBURYPORT, BOSTON, MASS.

Mention the American Florist when writing

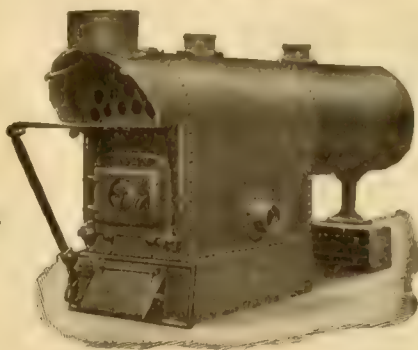
WORCESTER, MASS.—Benjamin F. Harrington will erect a greenhouse to cost \$1,000.

NEWTON HEIGHTS, CONN.—Ezra Hartwright has sold his florist business to C. F. Weegner.

GREENS FARMS, CONN.—Edward J. Taylor is installing a new water system at his greenhouses.

MEMPHIS, TENN.—The Memphis Floral Co. has filed a voluntary petition in bankruptcy. The liabilities are given as about \$54,000 and the assets \$32,000.

THIS
IS
THE



MADE IN
9 SIZES

Superior Boiler

THAT WAS

HIGHLY COMMENDED FOR GREENHOUSE USE

BY THE

Society of American Florists

AND

Ornamental Horticulturists

AT THE

Last Convention in Chicago.

The SUPERIOR BOILER is unequalled for greenhouse heating and is the best boiler to buy because it is the **Most Durable, Rapid and Economical Greenhouse Heating Boiler on the Market Today.** Write for further information and get acquainted with all the many superior points of the Superior boiler.

SUPERIOR MACHINE & BOILER WORKS

846-848 W. Superior Street,

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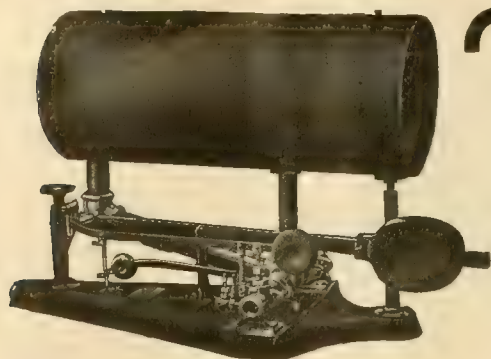
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